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@ www.lssystems.co.uk

HORTICULTURAL,
IRRIGATION AND
LANDSCAPE
SUPPLIES

BUYERS' GUIDE



SYSTEMS
LIMITED

Welcome to the LS Buyers' Guide

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VAT No. GB 483 6445 20

The Buyers' Guide

How To Place Your Order

Online 24/7:

WWW.LSSYSTEMS.CO.UK

Telephone:

01772 812484

Mon-Fri 8am-5pm Sat Closed

Closed Bank Holidays

Our voicemail service is available at all other times.

Email:

SALES@LSSYSTEMS.CO.UK

Email us your order. Please quote the following:

- **Product code**
- **Description**
- **Quantity**
- **Contact & delivery information**
- **Payment information**
- **Account number (if known)**

Post to:

LS Systems Ltd
184 Blackgate Lane
Tarleton
Preston
Lancs
PR4 6UU

At our Trade Counter:

Call in and collect your goods from our stores. Extensive stocks available, but please call in advance to confirm your item is in stock. Our store is open 6 days a week at the times and address detailed above and you will find landscape products and work/waterproof clothing and boots plus pots and trays, fertilisers and chemicals and horticultural glass and accessories.

Methods of Payment

Account:

Apply for a trading account with us, an application form and details of our terms and conditions can be found in this Buyers Guide. Our terms are nett 28 days from date of invoice.

Credit Card:

Quote your card number, expiry date and security number (and if necessary an issue number or from date) and address when placing your order. We accept the majority of credit and debit cards. Payment by PayPal also accepted.



Delivery Rates

Delivery options available include post, carrier and our own transport.

We will always endeavour to send your order out on the best service.

Delivery charges for delivery by LS vehicles

Area 1

L40_1, PR4_4-6, PR9_8, PR26_6-9

See our website for latest rates.

Area 2

BB, BL, FY, L (exc. Local), M, PR (exc. Local), WA, WN

See our website for latest rates.

Area 3

BD, CH, CW, HD, HX, LA, OL, SK

See our website for latest rates.

Area 4

CA, DE, LL11-19, 22, 24-34, 48-78, ST, SY1-16, 21, 22, TF

See our website for latest rates.

Area 5

Rest of UK

Independent carrier rates will be applied. Delivery will be by courier. Heavy loads will be unloaded by customer's forklift or courier tail lift and pallet truck if customer does not have a fork lift.

Scheduled LS delivery days (subject to seasonal change).

Next day service, timed delivery and/or booking in will incur additional charges.

Deliveries into Clean Air Zones may incur additional charges.

Small deliveries which are completion of the same order will not be charged.

MONDAY

CA, LA

TUESDAY

CW, DE, SK9-11, ST, SY1-16, 21, 22, TF, WA1-5, 916

WEDNESDAY

CH, L (exc. Local), LL11-19, 22, 24-34, 48-78, WA6-8, WN

THURSDAY

BD1-22, BL, HD, HX, M, OL, SK1-8, 12-16, 22, 23

FRIDAY

BB, BD23, 24, FY, PR (exc. Local)

LOCAL (anyday)

L40_1, PR4_4-6, PR9_8, PR26_6-9

The Buyers Guide Categories

| | |
|--|----------------|
| POTS, TRAYS & BASKETS | 6 - 49 |
| COMPOST, FERTILISERS & PEST CONTROL | 50-79 |
| LANDSCAPE & AMENITY | 80-101 |
| GLASSHOUSE PARTS & ACCESSORIES | 102-113 |
| POLY, NETTING & CROP COVERS | 114-119 |
| PLANT, MACHINERY & SYSTEMS Air Movement Fans & Gas, Oil & Electric Heaters | 120-123 |
| PACKAGING, TOOLS. LABELS & SUNDRIES | 124-131 |
| IRRIGATION SYSTEMS | 132-199 |
| PUMPING EQUIPMENT | 200-215 |

DECORATIVE PLANTERS - *New!*

Brittany Bell Pot 35cm [9L]

The Brittany bell pot is made from 100% recycled Polypropylene with a traditional sleek design. It is lightweight and has a high quality feel. It is also weather-resistant.



| CODE | SIZE D x H | COLOUR | VOL |
|----------|------------|--------|-----|
| PAT35BRI | 35 x 30 cm | Grey | 9 L |

Woodland Fern Planter 38cm [17L]

Simple, beautifully detailed planter with classical details. Lightweight, easy to move and frost resistant.



| CODE | SIZE D x H | COLOUR | VOL |
|-------------|------------|--------|------|
| PAT38RWDFER | 38 x 27 cm | Green | 17 L |

FLORAGARD POTTING & BEDDING COMPOST

For small pots of approx. 7-9 cm; for bedding or balcony plants.



FLD70PBC

Price [70L bag]:

FLORAGARD MODULAR SEED COMPOST

Tray substrate with high air capacity, for vegetables and ornamentals.



FLD70MSC

Price [70L bag]:

FLORAGARD CONTAINER COMPOST

Container substrate for ground cover plants, shrubbery, broad-leaved trees and conifers.



FLD70CMC

Price [70L bag]:

DECORATIVE CONTAINERS



Ibiza Decorative Pot

The decorative pot is a modern and elegant pot with a special cross-bottom for optimum drainage. For today's growers, the pot has the following characteristics:

perfect fitting on Danish trolleys * easy to use on potting machines * excellent quality/competitive pricing



| CODE | DIAMETER | HEIGHT | VOLUME | QTY / SHELF | COLOUR | CASE | PRICE / CASE | PRICE / 1000 | PALLET |
|--------------|----------|---------|--------|-------------|------------|------|--------------|--------------|--------|
| PBATIBI190TC | 19.0 cm | 14.7 cm | 2.5 L | 21 | Terracotta | 46 | | | 4,554 |
| PBATIBI190AN | 19.0 cm | 14.7 cm | 2.5 L | 21 | Anthracite | 46 | | | 4,554 |
| PBATIBI190XX | 19.0 cm | 14.7 cm | 2.5 L | 21 | Colours | 46 | | | 4,554 |
| PBATIBI210TC | 21.0 cm | 16.1 cm | 3.5 L | 18 | Terracotta | 40 | | | 3,000 |
| PBATIBI210AN | 21.0 cm | 16.1 cm | 3.5 L | 18 | Anthracite | 40 | | | 3,000 |
| PBATIBI210XX | 21.0 cm | 16.1 cm | 3.5 L | 18 | Colours | 40 | | | 3,000 |
| PBATIBI230TC | 23.0 cm | 17.5 cm | 4.3 L | 15/17 | Terracotta | 37 | | | 2,553 |
| PBATIBI230AN | 23.0 cm | 17.5 cm | 4.3 L | 15/17 | Anthracite | 37 | | | 2,553 |
| PBATIBI230XX | 23.0 cm | 17.5 cm | 4.3 L | 15/17 | Various | 37 | | | 2,553 |
| PBATIBI260TC | 26.0 cm | 20.7 cm | 6.5 L | 12 | Terracotta | 30 | | | 1,440 |
| PBATIBI260AN | 26.0 cm | 20.7 cm | 6.5 L | 12 | Anthracite | 30 | | | 1,440 |
| PBATIBI260XX | 26.0 cm | 20.7 cm | 6.5 L | 12 | Various | 30 | | | 1,440 |
| PBATIBI290TC | 29.0 cm | 29.0 cm | 8.6 L | 9/10 | Terracotta | 50 | | | 1,400 |
| PBATIBI290AN | 29.0 cm | 29.0 cm | 8.6 L | 9/10 | Anthracite | 50 | | | 1,400 |
| PBATIBI290XX | 29.0 cm | 29.0 cm | 8.6 L | 9/10 | Various | 50 | | | 1,400 |
| PBATIBI320TC | 32.0 cm | 25.0 cm | 12.4 L | - | Terracotta | 105 | | | 945 |
| PBATIBI320AN | 32.0 cm | 25.0 cm | 12.4 L | - | Anthracite | 105 | | | 945 |
| PBATIBI320XX | 32.0 cm | 25.0 cm | 12.4 L | - | Various | 105 | | | 945 |

POTS

MODIFORM Pots 5° Ebb and Flow

NIR Detectable Pots (NIR)

The Near Infrared detectable pots are made as much as possible from recycled plastic and sorted by the NIR scanner as PP.

'a recyclable grey pot at the same price as a black pot'



| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | BOX QTY | PRICE / BOX | PRICE / 1000 | PALLET QTY |
|---------------|----------|--------------|--------|----------------|---------|-------------|--------------|------------|
| MODP09568RG | 9.0 cm | LOW 6.8 cm | 0.30 L | R&R Royal Grey | - | Pallet Only | | 46,800 |
| MODP09587RG | 9.0 cm | HIGH 8.7 cm | 0.35 L | R&R Royal Grey | - | Pallet Only | | 45,600 |
| MODP105579RG | 10.5 cm | LOW 7.9 cm | 0.47 L | R&R Royal Grey | - | Pallet Only | | 32,224 |
| MODP105590RG | 10.5 cm | HIGH 9.0 cm | 0.51 L | R&R Royal Grey | - | Pallet Only | | 30,952 |
| MODP13596RG | 13.0 cm | LOW 9.6 cm | 0.88 L | R&R Royal Grey | - | Pallet Only | | 18,480 |
| MODP135C112RG | 13.0 cm | HIGH 11.2 cm | 1.00 L | R&R Royal Grey | - | Pallet Only | | 18,480 |



TRAYS

Modiform's EcoExpert range is made from paper fibre instead of plastic.

Recycled ~ Recyclable ~ Strong ~ Water resistant ~ Retail and customer friendly



Modiform[®]



A WAY FOR YOU

| MODEE11203 | MODEE11202 |
|--|---|
|  |  |
| TRANSPORT TRAY | TRANSPORT TRAY |
| 12 x 9 cm | 12 x 10/10.5/11 cm |
| 38.4 x 27.8 cm | 55.9 x 25.3 cm |
| 6.7 cm | 7.3 cm |
| 840 | 450 |
| 6 | 5 |
| PRICE PER 1,000 | PRICE PER 1,000 |



EcoExpert

| MODEE10602 | MODEE10803 | MODEE10802 | MODEE10604 |
|---|---|---|--|
|  |  |  |  |
| TRANSPORT TRAY | TRANSPORT TRAY | TRANSPORT TRAY | TRANSPORT TRAY |
| 6 x 12 cm 8° | 8 x 13 cm | 8 x 12/13 cm | 6 x 14 cm 8° |
| 40 x 28 cm | 55.5 x 31.2 cm | 56.2 x 25.3 cm | 42 x 28 cm |
| 7 cm | 5.9 cm | 7.5 cm | 6.5 cm |
| 912 | 448 | 486 | 912 |
| 6 | 4 | 5 | 6 |
| PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

| MODEE10603 | MODEE10301 |
|--|---|
|  |  |
| TRANSPORT TRAY | TRANSPORT TRAY |
| 6 x 17 cm | 3 x 19 cm |
| 56.2 x 31.5 cm | 56 x 18.8 cm |
| 8 cm | 8.25 cm |
| 560 | 768 |
| 4 | 7 |
| 25 mm | |
| PRICE PER 1,000 | PRICE PER 1,000 |



POTS

MODIFORM EcoExpert

Modiform's EcoExpert range is made from paper fibre instead of plastic.

- **Recycled**
- **Recyclable**
- **Strong**
- **Water resistant**
- **Retail and customer friendly**
- **Natural look & feel**
- **Biodegradable & compostable**

| MODEE309001 | MODEE310502 | MODEE312002 |
|---------------------|------------------|------------------|
| | | |
| POT (AFTER-PRESSED) | THERMOFORMED POT | THERMOFORMED POT |
| 9cm | 10.5 cm | 12 cm 8° |
| 0.24 L | 0.51 L | 0.67 L |
| 6.8 cm | 9 cm | 10 cm |
| 20,160 | 11,448 | 10,640 |
| 1,008 | | 665 |
| 7 x 10 mm | 7 x 12 mm | 7 x 14 mm |
| PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

| MODEE313001 | MODEE314001 | MODEE317001 | MODEE319001 |
|---------------------|---------------------|---------------------|---------------------|
| | | | |
| POT (AFTER-PRESSED) | POT (AFTER-PRESSED) | POT (AFTER-PRESSED) | POT (AFTER-PRESSED) |
| 13 cm 8° | 14 cm 8° | 17 cm 8° | 19 cm 8° |
| 0.88 L | 1.05 L | 2.0 L | 3.0 L |
| 9.6 cm | 11.4 cm | 4,176 | 3,456 |
| 8,192 | 7,936 | 261 | 216 |
| 512 | 496 | | |
| 7 x 14 mm | 7 x 16 mm | 7 x 20 mm | 7 x 20 mm |
| PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

COM-POSTABLE

Strong & water resistant

100% recycled cardboard

Biodegradable & compostable

Recyclable

Scan me

TRANSPORT TRAYS

MODIFORM Eurodan



A WAY FOR YOU


Eurodan





| | | | |
|---|---|---|--|
| <div>MOD3693</div> <div></div> <div><div>EURODAN</div><div>3 x 21 cm (3 x 4 ltr)</div><div>56 x 31.5 cm</div><div>6 cm</div><div>1,400</div><div>4</div><div>5 x 15.9 mm</div></div> <div>PRICE PER 1,000</div> | <div>MOD1098</div> <div></div> <div><div>EURODAN</div><div>4 x 19 cm</div><div>56 x 31.5 cm</div><div>8 cm</div><div>1,400</div><div>4</div></div> <div>PRICE PER 1,000</div> | <div>MOD3686</div> <div></div> <div><div>EURODAN</div><div>8 x 2 ltr SQR</div><div>56 x 31.5 cm</div><div>6 cm</div><div>1,400</div><div>4</div><div>4 x 14 mm</div></div> <div>PRICE PER 1,000</div> | <div>MOD3690</div> <div></div> <div><div>EURODAN</div><div>8 x 13 cm</div><div>56 x 31.5 cm</div><div>5.6 cm</div><div>1,400</div><div>4</div><div>3 x 14 mm</div></div> <div>PRICE PER 1,000</div> |
| <div>MOD3661</div> <div></div> <div><div>EURODAN</div><div>15 x 10.5/11 cm</div><div>56 x 31.5 cm</div><div>5.7 cm</div><div>2,100</div><div>4</div><div>4 x 16 mm</div></div> <div>PRICE/1,000</div> | <div>MOD3676</div> <div></div> <div><div>EURODAN</div><div>15 x 10.5 cm</div><div>56 x 31.5 cm</div><div>6.5 cm</div><div>1,400</div><div>4</div><div>2 x 12 mm</div></div> <div>PRICE/1,000</div> | <div>MOD3674</div> <div></div> <div><div>EURODAN</div><div>15 x 9 cm</div><div>56 x 31.5 cm</div><div>5 cm</div><div>1,400</div><div>4</div><div>12 mm</div></div> <div>PRICE/1,000</div> | <div>MOD3673</div> <div></div> <div><div>EURODAN</div><div>18 x 9 cm</div><div>56.4 x 31.5 cm</div><div>5.8 cm</div><div>1,400</div><div>4</div><div>2 x 10 mm</div></div> <div>PRICE/1,000</div> |
| <div>MOD3673</div> <div></div> <div><div>EURODAN</div><div>18 x 9 cm</div><div>56.4 x 31.5 cm</div><div>5.8 cm</div><div>1,400</div><div>4</div><div>2 x 10 mm</div></div> <div>PRICE/1,000</div> | <div>MOD3672</div> <div></div> <div><div>EURODAN</div><div>20 x 9 cm</div><div>56 x 31.5 cm</div><div>5 cm</div><div>1,400</div><div>4</div><div>12 mm</div></div> <div>PRICE/1,000</div> | <div>MOD3670</div> <div></div> <div><div>EURODAN</div><div>24 x 9 cm</div><div>56 x 31.5 cm</div><div>5 cm</div><div>1,400</div><div>4</div><div>12 mm</div></div> <div>PRICE/1,000</div> | <div>MOD3666</div> <div></div> <div><div>EURODAN</div><div>28 x 7 cm</div><div>56 x 31.5 cm</div><div>5 cm</div><div>1,400</div><div>4</div><div>12 mm</div></div> <div>PRICE/1,000</div> |

TRANSPORT TRAYS




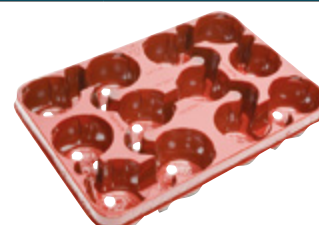
MODIFORM Normpack® 400 Series


NORMPACK®

| MOD4402 | MOD4483 | MOD4403 | MOD4404 |
|--|--|---|--|
|  <p>Normpack® 402 2 x 21/23 cm Hang' Baskets</p> <p>56 x 25 cm 5 cm 1,600 5</p> |  <p>Normpack® 483 3 x 19 cm</p> <p>56 x 25 cm 8 cm 1,600 5</p> |  <p>Normpack® 403 3 x 17 cm</p> <p>56 x 25 cm 8 cm 1,600 5</p> |  <p>Normpack® 404 4 x 17 cm</p> <p>56 x 25 cm 8 cm 1,600 5</p> |
| PRICE/1,000 | PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

| MOD3586 | MOD3578 | MOD3510 | MOD3518 |
|--|---|---|---|
|  <p>Normpack® 486 6 x 15 cm</p> <p>56 x 25 cm 6 cm 1,600 5 3 x 14 mm</p> |  <p>Normpack® 478 8 x 13 cm</p> <p>56 x 25 cm 5 cm 1,600 5 4 x 12 mm</p> |  <p>Normpack® 410 10 x 11/10.5/10 cm</p> <p>56 x 25 cm 7 cm 1,600 5 4 x 12 mm</p> |  <p>Normpack® 418 18 x 9 cm</p> <p>56 x 25 cm 5 cm 1,600 5 4 x 12 mm</p> |
| PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

MODIFORM Normpack® 200 Series

| MOD3436 | MOD3409 | MOD3463 | MOD3412 |
|---|--|---|--|
|  <p>Normpack® 236 6/5 x 13 cm</p> <p>40 x 28 cm 7 cm 2,400 6 4 x 12 mm</p> |  <p>Normpack® 209 9 x 9.5/10/10.5 cm</p> <p>40 x 28 cm 6.5 cm 2,400 6 3 x 9.5 mm</p> |  <p>Normpack® 244 12 x 9 cm</p> <p>40 x 28 cm 6 cm 2,400 6 4 x 12 mm</p> |  <p>Normpack® 212 12 x 8/8.5/9 cm</p> <p>40 x 28 cm 6 cm 2,400 6 3 x 12 mm</p> |
| PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

TRANSPORT TRAYS

MODIFORM Normpack® 300 Series

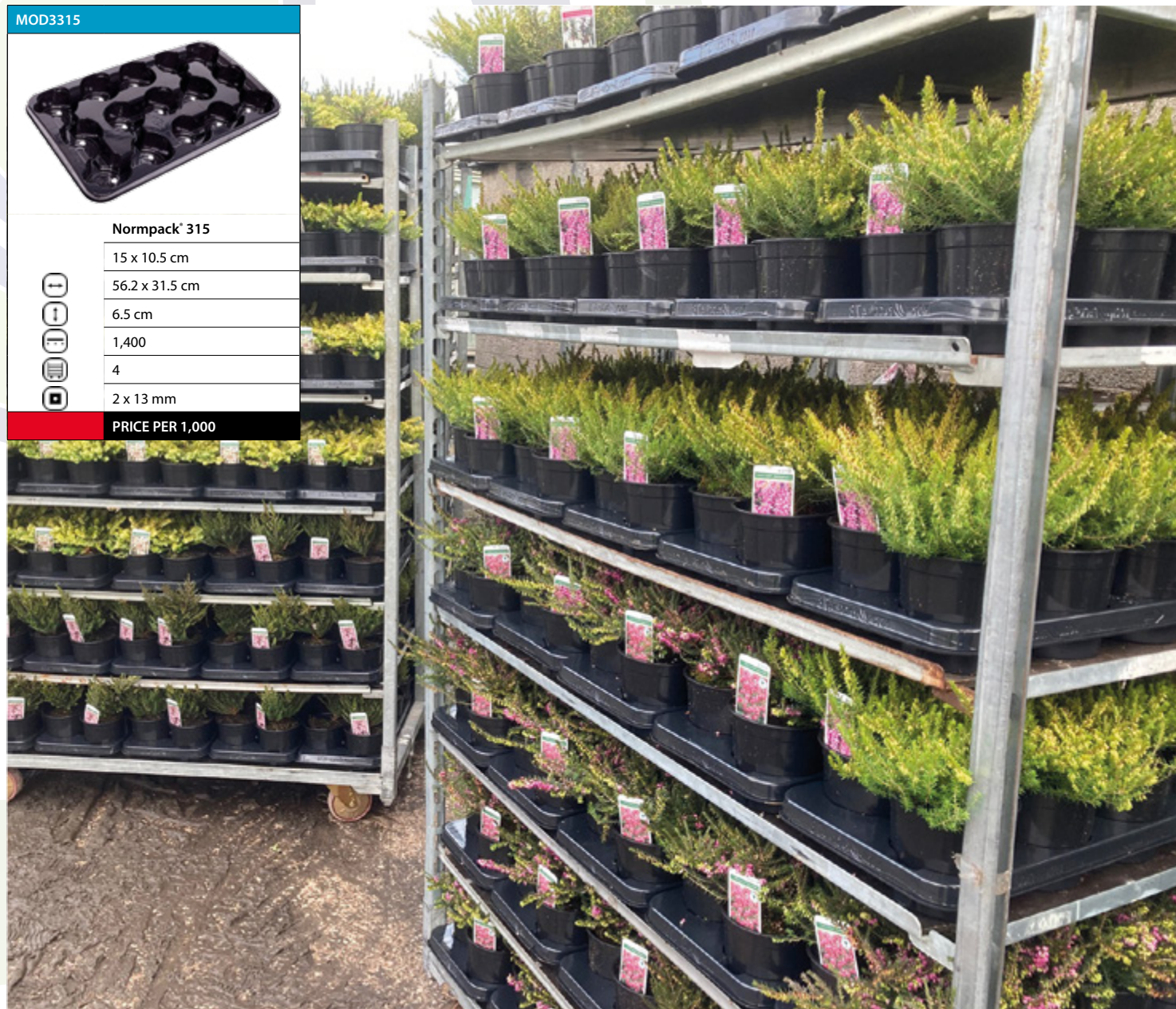


A WAY FOR YOU

NORMPACK®

| MOD3306 | MOD3326 | MOD3308 | MOD3312 |
|---|---|--|---|
|  |  |  |  |
| Normpack® 306 | Normpack® 326 | Normpack® 308 | Normpack® 312 |
| 6 x 17 cm | 6 x 15 cm | 8 x 13 cm | 12 x 12 cm |
| 56.2 x 31.5 cm | 56.2 x 31.5 cm | 56.2 x 31.5 cm | 56.2 x 31.5 cm |
| 8 cm | 8 cm | 7.5 cm | 7 cm |
| 1,400 | 1,400 | 1,400 | 1,400 |
| 4 | 4 | 4 | 4 |
| 4 x 16 mm | 3 x 12.7 mm | 3 x 12.7 mm | 3 x 12.7 cm |
| PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

| MOD3315 |
|--|
|  |
| Normpack® 315 |
| 15 x 10.5 cm |
| 56.2 x 31.5 cm |
| 6.5 cm |
| 1,400 |
| 4 |
| 2 x 13 mm |
| PRICE PER 1,000 |



BEDDING PACKS





MODIFORM Direct Planting




A WAY FOR YOU

NEW & IMPROVED: UNIVERSAL BEDDING PACKS

- Available in four different versions: 4, 6, 9 or 12 cells
- Improved slot for plant label
- Roll-up bottom, stronger sides, carrier handle holes
- 20 on a Danish shelf
- Recyclable Transparent Green PET

| MOD7104 | MOD7106 | MOD7109 | MOD7112 |
|---|---|--|--|
|  <p>UBP 4</p> <p>direct planting 283 cc</p> <p>20.2 x 17.8 cm</p> <p>7.2 cm</p> <p>11,520 / 13,200 (LOOSE)</p> <p>480</p> <p>18/20</p> <p>4 x 10 mm</p> |  <p>UBP 6</p> <p>direct planting 234 cc</p> <p>20.2 x 17.8 cm</p> <p>7.2 cm</p> <p>11,520</p> <p>480</p> <p>18/20</p> <p>4 x 10 mm</p> |  <p>UBP 9</p> <p>direct planting 138 cc</p> <p>20.2 x 17.8 cm</p> <p>7.2 cm</p> <p>11,520</p> <p>480</p> <p>18/20</p> <p>4 x 10 mm</p> |  <p>UBP 12</p> <p>direct planting 92 cc</p> <p>20.2 x 17.8 cm</p> <p>7.2 cm</p> <p>11,520</p> <p>480</p> <p>18/20</p> <p>8 mm</p> |
| PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

| MOD2045 |
|--|
|  <p>CARRIER 6x (BLACK PET)</p> <p>7104/7106/7109/7112</p> <p>53.7 x 40.2 cm</p> <p>2.2 cm</p> <p>1,600</p> <p>3</p> <p>40 x 12 mm</p> |
| PRICE PER 1,000 |

CARRY HANDLES

Carry Handles

| TEKTG40 | TEKTG50 |
|--|---|
|  <p>CARRY HANDLE 40 cm</p> <p>1,000</p> |  <p>CARRY HANDLE 50 cm</p> <p>1,000</p> |
| PRICE PER 1,000 | PRICE PER 1,000 |

BEDDING PACKS

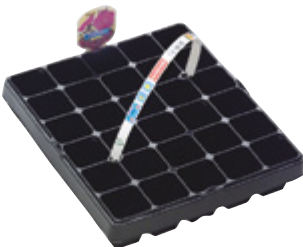





A WAY FOR YOU

MODIFORM Bedding Packs for Pots

| MOD7319 | MOD7317 | MOD7413 | MOD7314 |
|---|---|--|---|
|  |  |  |  |
| RETAIL PACK | RETAIL PACK | CARRYPACK | CARRYPACK |
| 3 x 19 cm | 3 x 17 cm | 4 x 13 cm | 3 x 13 cm |
| 56 x 18.8 cm | 56 x 15.9 cm | 55.5 x 14 cm | 38.5 x 14 cm |
| 7 cm | 7 cm | 7 cm | 7 cm |
| 3,072 | 3,696 | 3,136 | 5,320 |
| 21 pots | 24 pots | 36 pots | 39 pots |
| 5 x 14 mm | 5 x 14 mm | 8 mm | |
| PRICE/1,000 | PRICE/1,000 | PRICE/1,000 COOL GREY | PRICE/1,000 COOL GREY |

| MOD7611 | MOD7309 | MOD7392 |
|--|--|---|
|  |  |  |
| CARRYPACK | CARRYPACK | CARRYPACK |
| 6 x 10.5 cm | 3 x 9-10.5 cm | 3 x 9 cm |
| 31.5 x 21 cm | 23 x 21 cm | 28 x 9 cm |
| 9.3 cm | 7.3 cm | 5.4 cm |
| 3,600 | 8,100 | 10,010 |
| 60 pots | 60 pots | 84 pots |
| 2 x 12 mm / 2 x 8 mm | 3 x 10 mm | |
| PRICE/1,000 TR. GREEN | PRICE/1,000 COOL GREY | PRICE/1,000 COOL GREY |

| MOD1475 | MOD1473 | MOD1466 | MOD2046 |
|---|---|--|---|
|  |  |  |  |
| HOBBY TRAY 30 | HOBBY TRAY 20 | HOBBY TRAY 20 | HOBBY TRAY CARRIER |
| direct planting 107 cc | direct planting 168 cc | direct planting 104 cc | 1466/1473/1475 |
| 31 x 28 cm | 31 x 28 cm | 30.8 x 18.4 cm | 56 x 31 cm |
| 6 cm | 6 cm | 6.5 cm | 3.5 cm |
| 2,912 | 3,900 | 7,200 | 1,920 |
| 8 | 8 | 12 | 4 |
| 2 x 4 mm / 2 x 6 mm | 3 x 8.5 mm | 2 x 5 mm / 1 x 8 mm | 24 x 12 / 14 x 12 mm |
| PRICE/1,000 COOL GREY | PRICE/1,000 COOL GREY | PRICE/1,000 TR. GREEN | PRICE/1,000 |

BEDDING PACKS

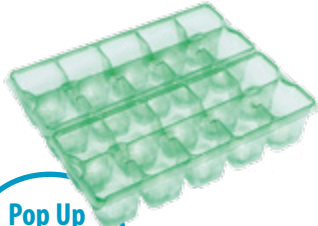



MODIFORM Bedding Packs



A WAY FOR YOU

| MOD3610 | MOD3608 | MOD7490 | |
|--|---|--|---|
|  |  |  |  |
| CARRYPACK | CARRYPACK | CARRYPACK | |
| 12 x 9 cm SQR | 14 x 8 cm SQR | 4 x 9 cm | |
| 55.8 x 18.2 cm | 56.2 x 15.9 cm | 18 x 18 cm | |
| 5 cm | 4.8 cdm | 7 cm | |
| 3,264 | 3,120 | 6,000 | |
| 6 | 8 | | |
| 4 x 12.7 cm | 4 x 9.5 cm | 84 pots | |
| PRICE/1,000 | PRICE/1,000 | PRICE/1,000 COOL GREY | |

| MOD7629 | MOD7696 | MOD7713 | MOD7410 |
|---|--|---|--|
|  |  |  |  |
| CARRYPACK | CARRYPACK SQ/RD | CARRYPACK | CARRYPACK |
| 6 x 9 cm Double | 6 x 9 cm Double | 6 x 9 cm / 1 x 13 cm | 4 x 10.5 cm |
| 36 x 27.7 cm | 36 x 27 cm | 32.5 x 24 cm | 26.5 x 19.5 cm |
| 6.8 cm | 5 cm | 9 cm | 5 cm |
| 2,640 | 2,850 | 2,400 | 6,875 |
| 84 pots | 84 pots | 48 x 9cm / 8 x 13cm | 72 pots |
| 19.5 mm / 2 x 10 mm | 20mm / 2 x 8 mm | 10 mm / 6 x 8mm | 2 x 12 mm |
| PRICE/1,000 TR. GREEN | PRICE/1,000 COOL GREY | PRICE/1,000 COOL GREY | PRICE/1,000 COOL GREY |





| MOD7501 | MOD7582 | MOD7516 | |
|--|---|--|---|
|  |  |  |  |
| CLAYETTE 2 x 10 | CLAYETTE 2 x 10 | CLAYETTE 2 x 10 | |
| direct planting 122 cc | direct planting 127 cc | direct planting 156 cc | |
| 28.5 x 23.1 cm | 27.9 x 21.3 cm | 30.7 x 26.8 cm | |
| 6.2 cm | 7.2 cm | 5.9 cm | |
| 5,940 | 6,528 | 4,704 | |
| 11 (22 single) | 12 (24 single) | 160 | |
| 2 x 7 mm | 2 x 8 mm | 8 (16 single) | |
| PRICE/1,000 TR. GREEN | PRICE/1,000 TR. GREEN | PRICE/1,000 COOL GREY | |



BEDDING PACKS

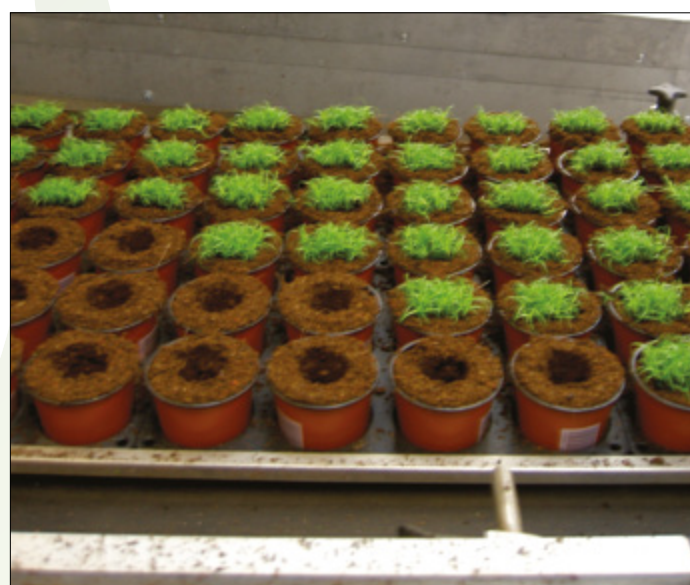
MODIFORM Bedding Packs







A WAY FOR YOU

| MOD7498 | MOD7686 | MOD7697 | MOD7680 |
|---|---|--|---|
|  |  |  |  |
| ENDPACK 4 | ENDPACK 6 | ENDPACK 6 | ENDPACK 6 |
| direct planting 289 cc | direct planting 438 cc | direct planting 210 cc | direct planting 500 cc |
| 18 x 15.65 cm | 36 x 27 cm | 18 x 15.6 cm | 28 x 21 cm |
| 6.5 cm | 8.5 cm | 6.5 cm | 8 cm |
| 13,600 | 7,560 | 5,984 | 4,200 |
| 24 | 14 | 24 | 12 |
| 2 x 6 mm / 2 x 9 mm | 2 x 10 mm / 2 x 6 mm | 2 x 5 mm / 2 x 8 mm | 2 x 6 mm / 2 x 12 mm |
| PRICE/1,000 TR. GREEN | PRICE/1,000 TR. GREEN | PRICE/1,000 TR. GREEN | PRICE/1,000 TR. GREEN |

| MOD7634 | MOD7687 |
|---|--|
|  |  |
| ENDPACK 2 x 6 | ENDPACK 2 x 6 |
| direct planting 296 cc | direct planting 383 cc |
| 35 x 26 cm | 34.8 x 26.2 cm |
| 6.5 cm | 8.8 cm |
| 3,640 | 3,300 |
| 7 (14 single) | 6 (13 single) |
| 16.5 mm / 2 x 8 mm | 16.5 mm / 2.8 mm |
| PRICE/1,000 COOL GREY | PRICE/1,000 COOL GREY |










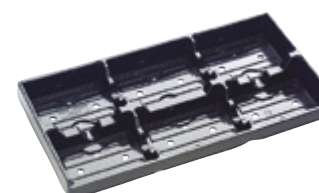
| MOD7506 | MOD7508 | MOD7510 | MOD2042 |
|--|---|--|---|
|  |  |  |  |
| ENDPACK 6 | ENDPACK 8 | ENDPACK 10 | CARRIER |
| direct planting 192 cc | direct planting 142 cc | direct planting 106 cc | 4x 7506/7508/7510 |
| 28 x 12 cm | 28 x 12 cm | 28 x 12 cm | 56 x 25 cm |
| 5.5 cm | 5.5 cm | 5.5 cm | 5.6 cm |
| 13,200 | 13,200 | 13,200 | 3,200 |
| 400 | | | 100 |
| 20 | 20 | 20 | 5 |
| 2 x 7 mm / 1 x 10 mm | 2 x 6 mm / 1 x 10 mm | 2 x 5 mm / 1 x 8 mm | |
| PRICE/1,000 COOL GREY | PRICE/1,000 COOL GREY | PRICE/1,000 COOL GREY | PRICE/1,000 BLACK |

BEDDING PACKS

MODIFORM Bedding Packs



A WAY FOR YOU

| MOD7556 | MOD7560 | MOD2042 | MOD2000 |
|--|---|---|---|
|  <p>ENDPACK 2 x 6</p> <p>direct planting 228 cc</p> <p>28.3 x 25.5 cm</p> <p>5.5 cm</p> <p>5,376</p> <p>10 (20 single)</p> <p>10 mm / 2 x 7 mm</p> <p>PRICE/1,000 TR. GREEN</p> |  <p>ENDPACK 2 x 10</p> <p>direct planting 120 cc</p> <p>28.3 x 25.5 cm</p> <p>5.5 cm</p> <p>5,152</p> <p>10</p> <p>8 mm / 2 x 5 mm</p> <p>PRICE/1,000 TR. GREEN</p> |  <p>CARRIER</p> <p>7556/7560</p> <p>56 x 25 cm</p> <p>5.6 cm</p> <p>3,200</p> <p>5</p> <p>PRICE/1,000</p> |  <p>EURO WATERING TRAY</p> <p>Watering Tray</p> <p>80.9 x 56.6 cm</p> <p>1.8 cm</p> <p>1,950</p> <p>PRICE/1,000</p> |
| MOD7650 | MOD2041 | MOD7811 | MOD2052 |
|  <p>ENDPACK 6</p> <p>direct planting 189 cc</p> <p>28 x 12.5 cm</p> <p>6 cm</p> <p>11,400</p> <p>20</p> <p>3 x 8.5 mm</p> <p>PRICE/1,000 COOL GREY</p> |  <p>CARRIER</p> <p>4x 7650</p> <p>56 x 25 cm</p> <p>3.5 cm</p> <p>1,920</p> <p>5</p> <p>22 x 12 mm / 14 x 20 mm</p> <p>PRICE PER 1,000</p> |  <p>ENDPACK 6</p> <p>direct planting 280 cc</p> <p>28 x 15 cm</p> <p>6 cm</p> <p>10,780</p> <p>16</p> <p>2 x 6 mm / 2 x 9 mm</p> <p>PRICE/1,000 COOL GREY</p> |  <p>CARRIER</p> <p>4x 7811</p> <p>56 x 31 cm</p> <p>4.8 cm</p> <p>2,240</p> <p>4</p> <p>12 mm</p> <p>PRICE PER 1,000</p> |

RECYCLABLE TRANSPARENT GREEN PET PACKS



Modiform makes use of 100% recycled transparent green polyethylene terephthalate (PET) that originates from consumer waste. Unlike black packs, the packs made from this type of PET can be detected during the waste treatment process. As a result, the products do not end up in the refuse incinerator and can be recycled.

As the packs have the right composition of materials, colour, and format, the packs are recyclable when disposed of by consumers with their plastic, metal and drinking carton (PMD) waste. In this way, these transparent green PET packs contribute to optimisation of the material cycle loop.

BEDDING PACKS

MODIFORM Insert Trays




A WAY FOR YOU

| MOD2065 | MOD2070 | MOD2005 |
|--|--|--|
|  <p>INSERT TRAY Half Euro Box</p> <p>38 x 28.8 cm</p> <p>3.5 cm</p> <p>12,000</p> <p>400</p> |  <p>OPEN TRAY</p> <p>59.5 x 40 cm</p> <p>6.5 cm</p> <p>1,800</p> |  <p>DANISH TROLLEY TRAY Watering Tray</p> <p>135 x 56.5 cm</p> <p>2.8 cm</p> <p>600</p> |
| PRICE/1,000 | PRICE PER 1,000 | PRICE/1,000 |

MODIFORM Multi-cell Shuttle Trays for Pots

| MOD1732 | SHUTTLE 18 HIGH |
|--|---|
|  | <p>18 x 9 cm</p> <p>56 x 31.5 cm</p> <p>9 cm</p> <p>1,680</p> <p>102</p> <p>2 x 10 mm / 2 x 6 mm</p> <p>3 x 6</p> |
| | PRICE PER 1,000 |

| MOD1731 | SHUTTLE 18 LOW |
|--|---|
|  | <p>18 x 9 cm</p> <p>56 x 31.5 cm</p> <p>7 cm</p> <p>1,680</p> <p>102</p> <p>2 x 10 mm / 2 x 6 mm</p> <p>3 x 6</p> |
| | PRICE PER 1,000 |

| MOD1743 | SHUTTLE 15 HIGH |
|--|--|
|  | <p>15 x 10.5 cm</p> <p>56 x 31.5 cm</p> <p>9 cm</p> <p>1,680</p> <p>85</p> <p>2 x 8 mm / 2 x 12 mm</p> |
| | PRICE PER 1,000 |

| MOD1742 | SHUTTLE 15 LOW |
|--|---|
|  | <p>15 x 10.5 cm</p> <p>56 x 31.5 cm</p> <p>8 cm</p> <p>1,680</p> <p>85</p> <p>2 x 12 mm / 2 x 8 mm</p> <p>3 x 5</p> |
| | PRICE PER 1,000 |

NEW AND IMPROVED SHUTTLE TRAYS 1731 1732 1742 1743

- Improved quality. Stronger trays thanks to robust design and material.
- User friendly. Outstanding in both manual and automated production systems.
- Higher pallet loading. Optimises transport and reduces carbon footprint.
- Available in both filled or without pots.



TREE TRAYS

MODIFORM Tree Trays

VERY WIDE SELECTION

The range consists of propagation trays, open trays and box liners.

- Stable and flat design
- Convenient to use on the shop floor
- Suitable for packaging in boxes

Our Tree Trays are 1.0 mm thick as standard.

Also available in 1.5 and 2.1 mm thicknesses - please ask us about prices.



A WAY FOR YOU

| MOD1945 | MOD1955 |
|-------------------------|-------------------------|
| | |
| POT-LESS TRAY 28 | POT-LESS TRAY 40 |
| direct planting 300 cc | direct planting 190 cc |
| 56.2 x 31.5 cm | 52.5 x 30.5 cm |
| 8 cm | 6.5 cm |
| 1,260 | 1,260 |
| 159 | 250 |
| 20 mm | |
| 4 x 7 | 5 x 8 |
| PRICE PER 1,000 | PRICE PER 1,000 |






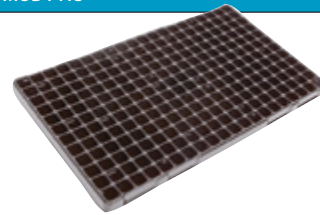




| MOD2520 | MOD2540 | MOD2545 | MOD2550 |
|------------------------|------------------------|------------------------|------------------------|
| | | | |
| BOMENTRAY 28 | BOMENTRAY 40 | BOMENTRAY 45 | BOMENTRAY 60 |
| direct planting 370 cc | direct planting 235 cc | direct planting 233 cc | direct planting 125 cc |
| 53 x 30 cm | 53 x 30 cm | 53 x 30 cm | 53 x 30 cm |
| 15 cm | 16 cm | 15.7 cm | 13.4 cm |
| 980 | 1,120 | 880 | 770 |
| 176 | 252 | 283 | 377 |
| 19 mm | 13.5 mm | 15 mm | 11 mm |
| 4 x 7 | 5 x 8 | 5 x 9 | 6 x 10 |
| PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 | PRICE PER 1,000 |

PLUG TRAYS

MODIFORM Multi-cell Propagation Trays



A WAY FOR YOU

| | | | |
|---|---|--|--|
| MOD1531  MULTITRAY 51 <div> <div>direct planting 90 cc</div> <div>52.5 x 30.5 cm</div> <div>5.3 cm</div> <div>1,680 BL. / 1,456 WH.</div> <div>319</div> <div>12 mm</div> <div>6239</div> </div> <div> <div>PRICE/1,000 BLACK</div> <div>PRICE/1,000 WHITE</div> </div> | MOD1405  TRANSPLANT 84 <div> <div>direct planting 26 cc</div> <div>49 x 28 cm</div> <div>4.5 cm</div> <div>1,800 BL. / 1,920 WH.</div> <div>612</div> <div>10 mm</div> <div>6274</div> </div> <div> <div>PRICE/1,000 BLACK</div> <div>PRICE/1,000 WHITE</div> </div> | MOD2352  TRANSPLANT 84 <div> <div>direct planting 38 cc</div> <div>52.5 x 30.5 cm</div> <div>3.7 cm</div> <div>1,680</div> <div>525</div> <div>9 mm</div> <div>6297</div> </div> <div> <div>PRICE/1,000</div> </div> | MOD1408  QUICK PLUG 104 <div> <div>direct planting 20 cc</div> <div>49 x 28 cm</div> <div>4.1 cm</div> <div>2,100</div> <div>758</div> <div>9 mm</div> <div>6298</div> </div> <div> <div>PRICE/1,000 BLACK</div> <div>PRICE/1,000 WHITE</div> </div> |
| MOD1562  MULTITRAY 104 <div> <div>direct planting 30 cc</div> <div>52.5 x 30.5 cm</div> <div>4.5 cm</div> <div>1,568</div> <div>650</div> <div>12 mm</div> <div>6267</div> </div> <div> <div>PRICE PER 1,000</div> </div> | MOD1413  QUICK PLUG 240 <div> <div>direct planting 7.5 cc</div> <div>49 x 29 cm</div> <div>3 cm</div> <div>2,400 BL. / 2,250 WH.</div> <div>1689</div> <div>7 mm</div> <div>6260</div> </div> <div> <div>PRICE/1,000 BLACK</div> <div>PRICE/1,000 WHITE</div> </div> | <div> <div>Tray size</div> <div>Depth of tray</div> <div>Quantity per pallet</div> <div>Cells per m²</div> <div>With bottom holes</div> <div>Push-out plate</div> </div> | |
| MOD1440  QUICK PLUG 264 <div> <div>direct planting 10 cc</div> <div>49 x 29 cm</div> <div>3.7 cm</div> <div>1,800</div> <div>1858</div> <div>6 mm</div> <div>6249</div> </div> <div> <div>PRICE PER 1,000</div> </div> | MOD1426  QUICK PLUG 360 <div> <div>direct planting 5 cc</div> <div>49 x 29 cm</div> <div>2.4 cm</div> <div>1,920</div> <div>2533</div> <div>6 mm</div> <div>6262</div> </div> <div> <div>PRICE/1,000</div> </div> | MOD2735  QUICK PLUG 480 <div> <div>direct planting 3.9 cc</div> <div>54 x 30 cm</div> <div>2.4 cm</div> <div>1,680</div> <div>2963</div> <div>6 mm</div> <div>6287</div> </div> <div> <div>PRICE/1,000</div> </div> | MOD2181  QUICK PLUG 480 <div> <div>direct planting 3.9 cc</div> <div>53 x 31 cm</div> <div>2.5 cm</div> <div>1,792</div> <div>2921</div> <div>8 mm</div> <div>6306</div> </div> <div> <div>PRICE PER 1,000</div> </div> |

TEKU PRINTING AND LABELLING



High Quality Printing & Labelling

TEKU printed pots and containers with promotional printing. Today's ever-changing marketplace requires a barcode on your pot plants. Enhance the value of your product and improve its appearance.

Offset printing process

- Monochrome printing
- Multicolour printing with spot colours
- Photo printing on white pots
- Action printing



TEKU Labelling

TEKU round and square pots with standard or custom-made labels.

Standard label is 40 x 24mm, special label 40 x 40mm also available - please phone for prices.

Use your label to include:

- Company name
- Product name
- Barcode
- End user information



Turn your plant pots into an advertisement with your:

- Company name,
- Trademark, logo or barcode,
- Branding,
- Care instructions

Call for exclusive prices!

TEKU® FLEX+



- Flexible print runs
- Intensive colour saturation
- Photo printing on black and coloured pots
- Finished with special coating



| CODE | POT SIZE | POT TYPE | PRICE / 1,000 5,000 up |
|------------|------------------|-------------|---------------------------|
| TEKBLSTW10 | 6 to 10.5cm | round pots | |
| TEKBLSTW14 | 11 to 14cm | round pots | |
| TEKBLSTW17 | 15 to 17cm | round pots | |
| TEKBLSTW19 | 18 to 19cm | round pots | |
| TEKBLSTW27 | 20 to 27cm | round pots | |
| | | | |
| TEKBLSTW11 | 7x7 to 11x11cm | square pots | |
| TEKBLSTW15 | 13x13 to 15x15cm | square pots | |
| TEKBLSTW16 | 16x16cm | square pots | |
| TEKBLSTW18 | 18.5x18.5cm | square pots | |

TEKU TREND COLOURS



Recyclable Round Pots 5° in trend colours

Series VCG (Lightweight)

Trend colours: Blue, Yellow, Green, Blackberry, Red, Lavender, Pink and Orange

Circular360: Post Consumer Recycling Material - Household Waste



| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|------------|----------|---------|--------|----------------|----------|--------------|--------------|------------|
| TEKVCG090X | 9.0 cm | 6.8 cm | 0.29 L | Trend col/Grey | 3,600 | | | 48,375 |
| TEKVCG105X | 10.5 cm | 8.2 cm | 0.46 L | Trend col/Grey | 1,960 | | | 27,360 |
| TEKVCG120X | 12.0 cm | 9.4 cm | 0.69 L | Trend col/Grey | 1,449 | | | 18,564 |
| TEKVCG130X | 13.0 cm | 10.2 cm | 0.89 L | Trend col/Grey | 1,134 | | | 14,940 |
| TEKVCG170X | 17.0 cm | 13.3 cm | 2.00 L | Trend col/Grey | 540 | | | 7,650 |
| TEKVCG190X | 19.0 cm | 14.9 cm | 3.00 L | Trend col/Grey | 392 | | | 5,250 |

Recyclable Teku Bowls in trend colours

CLASSIC Series T Bowls (Rigid)

Trend colours: Green, Yellow, Lavender, Orange, Anthracite, Blackberry, Orange, Pink and Red

Products are available while supplies last. Trend colours are subject to prior sale.



| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|-----------|----------|---------|--------|-------------|---------|-------------|--------------|------------|
| TEKTS170X | 17.0 cm | 7.4 cm | 1.00 L | Light green | 80 | | | 10,560 |
| TEKTS200X | 20.0 cm | 8.7 cm | 1.65 L | Yellow | 50 | | | 5,000 |
| TEKTS230X | 23.0 cm | 10.0 cm | 2.50 L | Lavender | 60 | | | 4,320 |
| TEKTS270X | 27.0 cm | 11.7 cm | 4.10 L | Anthracite | 50 | | | 2,400 |
| | | | | Blackberry | | | | |
| | | | | Orange | | | | |
| | | | | Pink | | | | |
| | | | | Red | | | | |

Recyclable Containers 5° in trend colours

CLASSIC Series MCI (Rigid)

Trend colours: Lavender, Red, Green, Yellow, Pink, Blackberry and Orange



| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|------------|----------|---------|--------|---------------|---------|-------------|--------------|------------|
| TEKMC1170X | 17.0 cm | 13.3 cm | 2.00 L | Trend colours | 259 | | | 5,180 |
| TEKMC1190X | 19.0 cm | 14.7 cm | 3.00 L | Trend colours | 208 | | | 4,576 |
| TEKMC1210X | 21.0 cm | 16.4 cm | 4.00 L | Trend colours | 70 | | | 4,200 |
| TEKMC1230X | 23.0 cm | 17.9 cm | 5.00 L | Trend colours | 65 | | | 3,510 |

TEKU POTS



PCR Recyclable ¹⁾

Characteristics:

- + Made of
 - Plastic = 100 % PCR ²⁾
 - Colour (Masterbatch)
 - Filler
- + Certified
 - 100% recyclable ⁴⁾
 - Blue Angel ⁵⁾



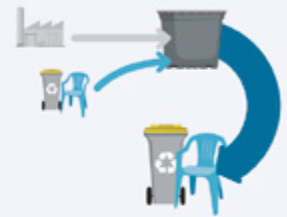
www.blauer-engel.de/uz30a



Baseline

Characteristics:

- + Made of
 - Plastic = PCR ²⁾ / PIR ³⁾
 - Colour (Masterbatch)
 - Filler
- + Certified
 - 100% recyclable ⁴⁾
- + Printable



Recyclable

Characteristics:

- + Made of
 - Plastic = PCR ²⁾ / PIR ³⁾ / Virgin material
 - Colour (Masterbatch)
 - Filler
- + Certified
 - 100% recyclable ⁴⁾
- + Printable



Black

Characteristics:

- + Made of
 - Plastic = PIR ³⁾ / Virgin Material
 - Colour (Masterbatch)
 - Filler
- + Printable



²⁾ PIR = Post-Industrial Recycling Material

⁴⁾ Certified according to cyclops-HTP

⁵⁾ Article contains at least 80% PCR and limits on the content of certain pollutants.

TEKU POTS



Round Pots 5°

PREMIUM Series VCG (Lightweight)

The requirements of modern cultivation methods, our state-of-the-art plastics technology and design as well as our uncompromising demands on quality combine to create this Container Series.

The new multiple hole cross bottom drainage system offers you superior irrigation and soil aeration. The strong rim guarantees outstanding stability and gives you excellent results with potting machines and other automation.

Other sizes available on request:
9.5 / 10.0 / 11.0 / 12.0 / 14.0 / 21.0 / 22.0 cm

See page 23 for special colours

Colour: Baseline Grey



Wide base for stability

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|------------|----------|---------|--------|-----------------|----------|--------------|--------------|------------|
| TEKVCG090G | 9.0 cm | 6.8 cm | 0.29 L | Baseline Grey | 3,600 | | | 48,375 |
| TEKVCG100T | 10.0 cm | 7.9 cm | 0.42 L | Terracotta/Grey | 2,700 | | | 33,858 |
| TEKVCG105G | 10.5 cm | 8.2 cm | 0.46 L | Baseline Grey | 1,960 | | | 27,360 |
| TEKVCG110T | 11.0 cm | 8.6 cm | 0.53 L | Terracotta/Grey | 2,212 | | | 25,452 |
| TEKVCG120T | 12.0 cm | 9.4 cm | 0.69 L | Terracotta/Grey | 1,449 | | | 18,564 |
| TEKVCG130G | 13.0 cm | 10.2 cm | 0.89 L | Baseline Grey | 1,134 | | | 14,940 |
| TEKVCG140T | 14.0 cm | 10.6cm | 1.10 L | Terracotta/Grey | 990 | | | 12,528 |
| TEKVCG150G | 15.0 cm | 11.5 cm | 1.50 L | Baseline Grey | 854 | | | 10,206 |
| TEKVCG170G | 17.0 cm | 13.3 cm | 2.00 L | Baseline Grey | 540 | | | 7,650 |
| TEKVCG190G | 19.0 cm | 14.9 cm | 3.00 L | Baseline Grey | 392 | | | 5,250 |

Deep Pots 5°

PREMIUM Series VCH (Lightweight)

The strong rim guarantees outstanding stability with this taller pot and gives excellent results with potting machines and other automation.

Colour: Baseline Grey

Other sizes available on request:
9.0 / 10.0 / 11.0 / 12.0 / 14.0 / 15.0 / 17.0 / 19.0 / 21.0 / 22.0 cm

TEKVCH090F: Extra tall version



Deep Pots

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|-------------|----------|---------|--------|---------------|----------|--------------|--------------|------------|
| TEKVCH090FG | 9.0 cm | 9.0 cm | 0.37 L | Baseline Grey | - | | | 41,580 |
| TEKVCH110VG | 10.5 cm | 9.0 cm | 0.51 L | Baseline Grey | 1,792 | | | 26,505 |
| TEKVCH130G | 13.0 cm | 11.6 cm | 1.05 L | Baseline Grey | 1,080 | | | 14,400 |

TEKU POTS



Round Pots 6°

CLASSIC Series MXC (Rigid)

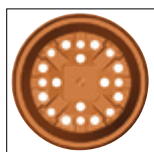
A rigid pot from Teku with multi hole profile bottom - the 5.5 cm has normal profile bottom.

Standard colours:

Circular terracotta

Circular360:

Post Consumer Recycling Material - Household Waste



Series MXC
Multi-hole profile bottom



Series MXC

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|------------|----------|---------|--------|------------|----------|--------------|--------------|------------|
| TEKMXC055T | 5.5 cm | 5.0 cm | 0.08 L | Terracotta | 4,200 | | | - |
| TEKMXC090T | 9.0 cm | 6.8 cm | 0.28 L | Terracotta | 1,664 | | | 52,500 |
| TEKMXC100T | 10.0 cm | 7.7 cm | 0.38 L | Terracotta | 1,702 | | | 42,180 |
| TEKMXC105T | 10.5 cm | 7.9 cm | 0.44 L | Terracotta | 1,430 | | | 37,620 |
| TEKMXC110T | 11.0 cm | 8.4 cm | 0.51 L | Terracotta | 1,200 | | | 30,240 |
| TEKMXC120T | 12.0 cm | 9.4 cm | 0.66 L | Terracotta | 756 | | | 23,800 |
| TEKMXC130T | 13.0 cm | 9.9 cm | 0.81 L | Terracotta | 738 | | | 20,400 |
| TEKMXC140T | 14.0 cm | 10.9 cm | 1.05 L | Terracotta | 640 | | | 17,500 |

Round Pots 8°

CLASSIC Series TO...D (Rigid)

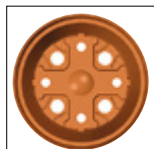
8° plant pots as required by the modern grower today. Multiple bottom holes for optimum cultivation in all irrigation systems and for efficient handling on potting machines. These round pots type **Series TO** distinguish themselves by the natural design of a clay pot, yet with all the advantages offered by plastic pots.

Standard colours:

Circular terracotta

Circular360:

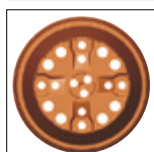
Post Consumer Recycling Material - Household Waste



Series TO...D
8 Hole cross bottom



Series TO...Z
Multi-hole profile bottom



Series TO...D
Multi-hole cross bottom



Series TO...D

| CODE | DIAMETER | HEIGHT | VOLUME | BASE | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|-------------|----------|---------|--------|--------------------|----------|--------------|--------------|------------|
| TEKMTD050T | 5.0 cm | 4.1 cm | 0.05 L | 3-hole | 4,795 | | | - |
| TEKMTD060T | 6.0 cm | 4.6 cm | 0.08 L | 8-hole cross | 3,660 | | | - |
| TEKMTD070T | 7.0 cm | 5.4 cm | 0.13 L | 8-hole cross | 3,330 | | | - |
| TEKMTD080ZT | 8.0 cm | 6.2 cm | 0.19 L | Multi-hole profile | 2,592 | | | 81,928 |
| TEKMTD095T | 9.5 cm | 7.3 cm | 0.32 L | multi-hole cross | 1,952 | | | 53,136 |
| TEKMTD150T | 15.0 cm | 11.4 cm | 1.30 L | multi-hole cross | 525 | | | 17,500 |

TEKU POTS



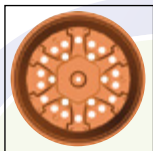
Containers 5°

CLASSIC Series MCI (Rigid)

Standard colours: Baseline Grey

TEKMCI190Z: has multi-hole profile bottom.

TEKMCIXXXK*: Label slot



Series MCI
Multi-hole star bottom

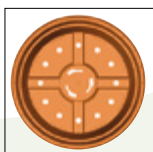
Series MCI

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|--------------|----------|---------|--------|---------------|---------|-------------|--------------|------------|
| TEKMCI150B | 15.0cm | 11.7 cm | 1.50 L | Baseline Grey | 400 | | | 10,710 |
| TEKMCI170B | 17.0 cm | 13.3 cm | 2.00 L | Baseline Grey | 259 | | | 8,415 |
| TEKMCI170KB* | 17.0 cm | 13.3 cm | 2.00 L | Baseline Grey | - | | | 8,568 |
| TEKMCI180B | 18.0 cm | 14.0 cm | 2.50 L | Baseline Grey | 216 | | | 7,200 |
| TEKMCI190KB* | 19.0 cm | 14.7 cm | 3.00 L | Baseline Grey | - | | | 5,900 |
| TEKMCI190ZB | 19.0 cm | 14.7 cm | 3.00 L | Baseline Grey | 208 | | | 6,000 |
| TEKMCI200B | | | 3.50 L | Baseline Grey | 75 | | | 5,400 |
| TEKMCI210B | 21.0 cm | 16.4 cm | 4.00 L | Baseline Grey | 70 | | | 4,200 |
| | | | | Baseline Grey | | | | 3,510 |
| TEKMCI230KB* | 23.0 cm | 17.9 cm | 5.00 L | Baseline Grey | - | | | 3,510 |
| | | | | Baseline Grey | | | | 2,145 |
| TEKMCI290B | 29.0cm | 21.8 cm | 10.0 L | Baseline Grey | 55 | | | 1,815 |

CLASSIC Series MCD (Rigid)

These containers have a strengthened rim and are resistant against influences of frost.

Standard colours: Baseline Grey



Series MCD
Cross bottom with bayonet lock

Series MCD

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|------------|----------|---------|--------|---------------|---------|-------------|--------------|------------|
| TEKMCD310B | 31.0 cm | 22.9 cm | 12.0 L | Baseline Grey | 30 | | | - |
| TEKMCD330B | 33.0 cm | 24.4 cm | 14.0 L | Baseline Grey | 30 | | | - |
| TEKMCD370B | 37.0 cm | 27.4 cm | 20.0 L | Baseline Grey | 20 | | | - |
| TEKMCD400B | 40.0 cm | 29.6 cm | 25.0 L | Baseline Grey | 20 | | | - |
| TEKMCD450B | 45.0 cm | 33.3 cm | 35.0 L | Baseline Grey | 11 | | | - |
| TEKMCD500B | 50.0 cm | 37.0 cm | 47.0 L | Baseline Grey | 10 | | | - |

TEKU CONTAINERS



Orchid Pots & Containers 5°

Recyclable CLASSIC Series MPB, MCO

Phalaenopsis

Translucent containers ideal for growing orchids.



Series MPB 6
Multi-hole profile bottom



Series MCO
Step bottom with support function



Series MPB 6

Series MCO

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / BOX | PRICE / 1000 | PALLET QTY |
|------------|----------|---------|--------|-------------|----------|-------------|--------------|------------|
| TEKMPB060C | 6.0 cm | 5.8 cm | 0.11 L | Translucent | 4,110 | | | 115,080 |
| TEKMCO120C | 11.4 cm | 10.8 cm | 0.74 L | Translucent | 666 | | | 19,000 |
| TEKMCO150C | 14.7 cm | 12.5 cm | 1.30 L | Translucent | 385 | | | 10,800 |
| TEKMCO170C | 17.0 cm | 15.0 cm | 1.85 L | Translucent | 224 | | | 7,755 |

Plant Supports

CLASSIC Series STG (Rigid)

The versions TEKSTG10511, TEKSTG120 and TEKSTG130 feature a new design that requires no clips to fit specific pot sizes in the range 10.5 to 13.0 cm (and TEKVCE140) diameter. With the other versions (TEKSTG170 & TEKSTG190) a mounting ring provides for a perfect fit to pots and containers of the relevant diameters. TEKSTG130B is specifically designed for taller plants.

Trailing and climbing plants will be stabilised by supports and protected against damage.

Standard colours:

Recyclable moss green

B: Tall version
R: Rim Clamping



STG13B Tall Version



STG10.5, 12 & 13



STG17 & 19

| CODE | TO FIT POT DIAMETERS | HEIGHT | UNIT QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|-------------|----------------------------------|---------|----------|-------------|--------------|------------|
| TEKSTG10105 | 10.0 - 10.5 cm | 11.0 cm | 810 | | | 10,340 |
| TEKSTG11 | 11.0 cm | 11.0 cm | 810 | | | 10,340 |
| TEKSTG120R | 12.0 cm (except for TEKMTD130T) | 12.0 cm | 672 | | | 9,000 |
| TEKSTG130R | 13.0 cm + TEKVCE140T, TEKMTD140T | 14.5 cm | 484 | | | 6,600 |
| TEKSTG130BR | 13.0 cm + TEKVCE140T, TEKMTD140T | 17.0 cm | 396 | | | 6,600 |
| TEKSTG140BR | 14.0 cm | 17.5 cm | 352 | | | 6,000 |
| TEKSTG170 | 17.0 cm (except for TEKMXA170) | 15.5 cm | 75 | | | 3,300 |
| TEKSTG190 | 19.0 cm | 16.5 cm | 75 | | | 2,700 |
| TEKSTG190Z | For MCI 19Z | 16.5 cm | 75 | | | 2,700 |

TEKU CONTAINERS



Netpots & Slitpots

CLASSIC Series G & S...LB (Rigid)

Slitpots are very economical in handling on pot magazines. This kind of pot has been indispensable for raising young plants for many years.

Standard colours:

Baseline Grey



Series G (MGA)



Series S...LB (MGB)

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|-----------|----------|--------|--------|---------------|----------|--------------|--------------|------------|
| TEKMGA050 | 5.0 cm | 5.0 cm | 0.07 L | Baseline Grey | 4,250 | | | 93,500 |
| TEKMGB055 | 5.5 cm | 5.0 cm | 0.08 L | Baseline Grey | 5,418 | | | 108,360 |



TEKU SQUARE POTS



Square Pots

PREMIUM Series VQB

(Lightweight Polystyrene)

These pots are anti-statically treated and are suitable for potting machines with magazines. The raised bottom cares for perfect water-lead. They are steadfast yet low in weight.

Standard colours:

Baseline Grey



Series VQB
Cross bottom



Series VQB

| CODE | SIZE | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|------------|----------|--------|--------|---------------|----------|--------------|--------------|------------|
| TEKVQB998 | 9 x 9 cm | 8.0 cm | 0.44 L | Baseline Grey | 2,350 | | | 31,590 |
| TEKVQB9995 | 9 x 9 cm | 9.5 cm | 0.52 L | Baseline Grey | 2,280 | | | 30,888 |

PREMIUM Series VQF

(Lightweight Polypropylene)

These pots are same as our square pot series VQB (above) and are formed from Polypropylene offering convincing advantages: They are flexible yet stable, which provides an excellent tensile strength, combined with high efficiency on magazine-fed potting machines.

Standard colours:

Baseline Grey



Series VQF
Profile bottom



Series VQF

| CODE | SIZE | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|---------------|------------|---------|--------|---------------|----------|--------------|--------------|------------|
| TEKVQF7765 | 7 x 7 cm | 6.5 cm | 0.18 L | Baseline Grey | 4,720 | | | 60,146 |
| TEKVQF778 | 7 x 7 cm | 8.0 cm | 0.23 L | Baseline Grey | 4,560 | | | 59,160 |
| TEKVQF887 | 8 x 8 cm | 7.0 cm | 0.29 L | Baseline Grey | 3,990 | | | 44,460 |
| TEKVQF888 | 8 x 8 cm | 8.0 cm | 0.33 L | Baseline Grey | 3,920 | | | 46,020 |
| TEKVQF111115 | 11 x 11 cm | 11.5 cm | 0.98 L | Baseline Grey | 840 | | | 15,840 |
| TEKVQF1111155 | 11 x 11 cm | 15.5 cm | 1.25 L | Baseline Grey | 756 | | | 15,048 |

TEKU SQUARE POTS

Square Pots

CLASSIC Series MQD (Rigid)

Excellent drainage properties, also when growing outside. Series MQD square pots are provided with Teku's taglock system for secure label fixing.

Standard colours: Baseline Grey



Series MQD
Multi-hole cross bottom



Series MQD

| CODE | SIZE | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|--------------|------------|---------|--------|---------------|----------|--------------|--------------|------------|
| TEKMQD9995 | 9 x 9 cm | 9.5 cm | 0.49 L | Baseline Grey | 880 | | | 26,200 |
| TEKMQD9910 | 9 x 9 cm | 10.0 cm | 0.51 L | Baseline Grey | 860 | | | 26,208 |
| TEKMQD131313 | 13 x 13 cm | 13.0 cm | 1.45 L | Baseline Grey | 396 | | | 10,530 |

CLASSIC Series MQA (Rigid)

Excellent drainage properties, also when growing outside. Series MQA square pots are provided with lateral drainage slits which never block.

These very solid square pots with raised bottom have been proven in the field for many years, especially for perennials.

Standard colours: Baseline Grey



Series MQA

| CODE | SIZE | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|--------------|------------|---------|--------|--------|----------|--------------|--------------|------------|
| TEKMQA101011 | 10 x 10 cm | 11.0 cm | 0.69 L | Black | 667 | | | 18,676 |
| TEKMQA151520 | 15 x 15 cm | 20.0 cm | 3.50 L | Black | 130 | | | 8,450 |

CLASSIC Series MQE & MQF (Rigid)

New Square/Round pot available with taglock system for secure label fixing.

Standard colours: Baseline Grey

TEKMQF*: Tall version



Series MQE

| CODE | SIZE | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|----------------|----------------|---------|--------|----------------|----------|--------------|--------------|------------|
| TEKMQE111111 | 11 x 11 cm | 11.0 cm | 1.00 L | Circular Taupe | 414 | | | 14,784 |
| TEKMQE141414 | 14 x 14 cm | 14.0 cm | 2.00 L | Circular Taupe | 192 | | | 6,600 |
| TEKMQF141422* | 14 x 14 cm | 22.0 cm | 3.00 L | Circular Taupe | 220 | | | 4,400 |
| TEKMQE161616 | 16 x 16 cm | 16.0 cm | 3.00 L | Circular Taupe | 128 | | | 5,040 |
| TEKMQF1616215* | 16 x 16 cm | 21.5 cm | 4.00 L | Circular Taupe | 80 | | | 3,640 |
| TEKMQE181820 | 18.5 x 18.5 cm | 20.0 cm | 5.00 L | Circular Taupe | 104 | | | 3,072 |
| TEKMQF181825* | 18.5 x 18.5 cm | 25.0 cm | 6.00 L | Circular Taupe | 64 | | | 2,208 |

TEKU BOWLS



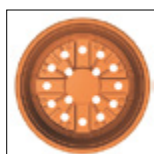
Tekucotta Bowls

Recyclable CLASSIC Series VSA (Lightweight)

Attractive appearance with multi-hole profile bottom promotes rapid growth and healthy plants. Wide U-shaped rim allows secure gripping and elevation by lifting and positioning machines.

Standard colours 17&19cm:
Standard colours 21&23cm:

PCR terracotta/Grey or White/Grey
PCR terracotta or White



Series VSA
Multi-hole profile bottom

Series VSA

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | HANGER | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|------------|-------------|---------|--------|-----------------|--------|---------|-------------|--------------|------------|
| TEKVSA170T | 17.0 cm | 7.6 cm | 1.10 L | Terracotta/Grey | MHB 33 | 740 | | | 9,384 |
| TEKVSA170W | 17.0 cm | 7.6 cm | 1.10 L | White/Grey | | 740 | | | 9,384 |
| TEKVSA190T | 19.0 cm | 8.7 cm | 1.50 L | Terracotta/Grey | MHB 33 | 584 | | | 6,900 |
| TEKVSA190W | 19.0 cm | 8.7 cm | 1.50 L | White/Grey | | 584 | | | 6,900 |
| TEKVSA210T | 21.0 cm | 9.5 cm | 2.20 L | Terracotta | MHB 33 | 408 | | | 5,280 |
| TEKVSA210W | 21.0 cm | 9.5 cm | 2.20 L | White/Grey | | 408 | | | 5,280 |
| TEKVSA230T | 22.0 cm VOL | 10.0 cm | 2.50 L | Terracotta | MHB 38 | 295 | | | 4,428 |
| TEKVSA230W | 22.0 cm VOL | 10.0 cm | 2.5 L | White/Grey | | 295 | | | 4,428 |

Recyclable CLASSIC Series T (Rigid)

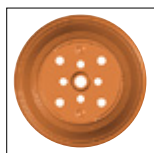
These bowls look like terracotta, are named **Tekucotta**, and are made of plastic.

Standard colours:

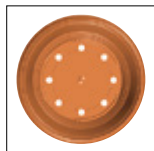
PCR terracotta

Circular360:

Post Consumer Recycling Material - Household Waste



Series T
9-hole bottom with centre hole



Series T
8-hole bottom



Series T

| CODE | DIAMETER | HEIGHT | VOLUME | BASE | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|-----------|----------|---------|--------|--------|---------|-------------|--------------|------------|
| TEKTS170T | 17.0 cm | 7.4 cm | 1.00 L | 9-hole | 80 | | | 10,560 |
| TEKTS200T | 20.0 cm | 8.7 cm | 1.65 L | 8-hole | 50 | | | 5,000 |
| TEKTS230T | 23.0 cm | 10.0 cm | 2.50 L | 8-hole | 60 | | | 4,320 |
| TEKTS270T | 27.0 cm | 11.7 cm | 4.10 L | 8-hole | 50 | | | 2,400 |
| TEKTS300T | 30.0 cm | 13.0 cm | 5.60 L | 8-hole | 35 | | | 1,925 |
| TEKTS350T | 35.0 cm | 15.2 cm | 9.00 L | 8-hole | 30 | | | 1,050 |

TEKU DECORATIVE POTS & BASKETS



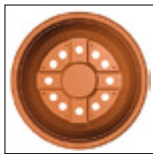
Decorative Pots

Recyclable Series VDA (Lightweight)

Beautiful pots with distinct weight reductions for economical and ecological advantages.

Circular360:

Post Consumer Recycling Material - Household Waste



Series VDA 19 & 22
Cross bottom



Series VDA

| CODE | DIAMETER | HEIGHT | VOLUME | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|------------|----------|---------|--------|---------------------|----------|--------------|--------------|------------|
| TEKVDA170T | 17.0 cm | 10.7 cm | 1.60 L | Terracotta/Grey | 580 | | | 7,344 |
| TEKVDA170W | 17.0 cm | 10.7 cm | 1.60 L | White/Grey | 580 | | | 7,344 |
| TEKVDA190T | 19.0 cm | 12.6 cm | 2.50 L | Terracotta/Grey | 384 | | | 4,900 |
| TEKVDA190W | 19.0 cm | 12.6 cm | 2.50 L | White/Grey | 384 | | | 4,900 |
| TEKVDA220T | 22.0 cm | 14.9 cm | 3.60 L | Circular Terracotta | 252 | | | 2,952 |
| TEKVDA220W | 22.0 cm | 14.9 cm | 3.60 L | White/Grey | 252 | | | 2,952 |

Decorative Hanging Baskets

Recyclable Series VAA (Lightweight)

The hanging baskets all have single overflow central hole. Available in two colours, all shiny with matching hangers. Prices for hangers (sold separately) on page 34.

Standard colours:

Recyclable terracotta/grey or white/grey

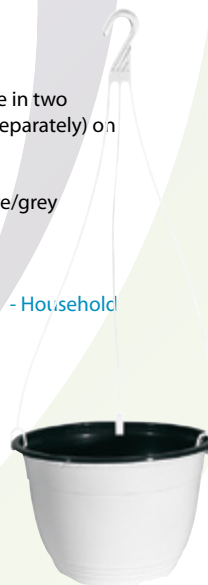
Special colours available.

Circular360:

Post Consumer Recycling Material - Household Waste



Series VAA
Water overflow



Series VAA Hanging Pot

| CODE | DIAMETER | HEIGHT | VOL | HANGER | COLOUR | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|------------|----------|---------|--------|--------|---------------------|----------|--------------|--------------|------------|
| TeKVAA150T | 15.0 cm | 10.1 cm | 1.15 L | MHB 33 | Circular Terracotta | 874 | | | 11,224 |
| TEKVAA150W | 15.0 cm | 10.1 cm | 1.15 L | | White/Grey | 874 | | | 11,224 |
| TEKVAA170T | 17.0 cm | 10.7 cm | 1.60 L | MHB 33 | Terracotta/Grey | 598 | | | 7,452 |
| TEKVAA170W | 17.0 cm | 10.7 cm | 1.60 L | | White/Grey | 598 | | | 7,452 |
| TEKVAA190T | 19.0 cm | 12.7 cm | 2.50 L | MHB 33 | Terracotta/Grey | 368 | | | 4,876 |
| TEKVAA190W | 19.0 cm | 12.7 cm | 2.50 L | | White/Grey | 368 | | | 4,876 |
| TEKVAA210T | 21.0 cm | 13.7 cm | 3.00 L | MHB 33 | Terracotta | 322 | | | 4,416 |
| TEKVAA210W | 21.0 cm | 13.7 cm | 3.00 L | | White/Grey | 322 | | | 4,416 |
| TEKVAA220T | 22.0 cm | 14.9 cm | 3.60 L | MHB 38 | Terracotta | 230 | | | 2,944 |
| TEKVAA220W | 22.0 cm | 14.9 cm | 3.60 L | | White/Grey | 230 | | | 2,944 |

TEKU HANGING BASKETS



Tekucotta Hanging Baskets

Recyclable CLASSIC Series MAL & TCA (Rigid)

Version MAK: multi hole star bottom with bayonet lock

Version MAL: water overflow dome; decorative design

Prices for matching hanger (sold separately) at bottom of page.

Standard colours:

Circular terracotta, pine green, anthracite and Recyclable white

Circular360:

Post Consumer Recycling Material - Household Waste



Series MAL
Water overflow



Series MAL

| CODE | DIAMETER | HEIGHT | VOLUME | HANGER | COLOUR | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|-------------|----------|---------|--------|------------------------------------|---|---------|-------------|--------------|------------|
| TEKMAL200XX | 20.0 cm | 13.4 cm | 3.0 L | MHB 33 (sold separately) | Anthracite Pine Green Terracotta White | 46 | | | 3,680 |
| TEKMAL250XX | 25.0 cm | 15.4 cm | 5.0 L | MHB 38 (sold separately) | Anthracite Pine Green Terracotta White | 46 | | | 2,760 |
| TEKMAL270XX | 27.0 cm | 16.4 cm | 6.0 L | MHB 45 (sold separately) | Anthracite Pine Green Terracotta White | 46 | | | 2,208 |
| TEKCA300XX | 30.0 cm | 18.3 cm | 7.7 L | MHA 60 (sold separately) | Terracotta Anthracite Pine Green White | 38 | | | 1,672 |

Tekucotta Hanging Baskets - Trend Colours

Recyclable CLASSIC Series MAL

Version MAL: water overflow dome; decorative design. Prices for matching hanger (sold separately) below.

Trend colours:

Recyclable orange, light-green, yellow, red, pink and blackberry

Circular360:

Post Consumer Recycling Material - Household Waste



| CODE | DIAMETER | HEIGHT | VOLUME | HANGER | COLOUR | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|-------------|----------|---------|--------|------------------------------------|---------------------------|---------|-------------|--------------|------------|
| TEKMAL200XX | 20.0 cm | 13.4 cm | 3.0 L | MHB 33 (sold separately) | Blackberry Light Green | 46 | | | 3,680 |
| TEKMAL250XX | 25.0 cm | 15.4 cm | 5.0 L | MHB 38 (sold separately) | Yellow Orange | 46 | | | 2,760 |
| TEKMAL270XX | 27.0 cm | 16.4 cm | 6.0 L | MHB 45 (sold separately) | Pink Red | 46 | | | 2,208 |

Recyclable Hangers



| CODE | DESCRIPTION | COLOUR | PRICE / 1000 | COLOUR | PRICE / 1000 | CARTON QTY | PALLET QTY |
|------------|---------------------------|------------------|--------------|---------------|--------------|-------------|------------|
| TEKMH33XX | Tag attachment, wide hook | Standard Colours | | Trend Colours | | 874 (19x46) | - |
| TEKMH38XX | Tag attachment, wide hook | Standard Colours | | Trend Colours | | 598 (13x46) | - |
| TEKMH45XX | Tag attachment, wide hook | Standard Colours | | Trend Colours | | 552 (12x46) | - |
| TEKMH600XX | | Standard Colours | | - | | 380 (10x38) | - |

TEKU TRAYS



Marketing Trays

PREMIUM Series PT (Lightweight)

Marketing trays of the PT series for excellent branding and a better view of printed and coloured pots.

Fast watering and drainage and optimum pot machine properties - these small details are often what makes a big difference. Stepped cultivation bottom with punched holes ensure reliable drainage.

Standard colours: PCR Recyclable Natural Grey

Special colours available.

Danish Trolley

PT 2556 10.5/10 D

Trays per shelf: 5
Pots per shelf: 50

Danish Trolley

PT 2556 10.5/12 D

Trays per shelf: 5
Pots per shelf: 60

PT 2556 13/8 D

Trays per shelf: 5
Pots per shelf: 40

PT 2556 12/10 D

Trays per shelf: 5
Pots per shelf: 60



| CODE | LENGTH | BREADTH | TO FIT POTS | POTS PER TRAY | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|-----------------|---------|---------|--------------------------------|---------------|-------------|--------------|--------------|------------|
| TEKPT255610510D | 56.2 cm | 25.3 cm | VCG 10.5; VCC 10.5; VCC 11 VOL | 10 | pallet only | | | 1,656 |
| TEKPT255610512D | 56.2 cm | 25.3 cm | VCG 10.5; VCH 11 VOL; MXC 10.5 | 12 | pallet only | | | 1,656 |
| TEKTP2556128D | 56.2 cm | 25.3 cm | VCG 12; VCG 12D; VCC 13 VOL | 8 | pallet only | | | 1,656 |
| TEKTP25561210D | 56.2 cm | 25.3 cm | VCG 12; VCG 12D; VCC 13 VOL | 10 | pallet only | | | 1,656 |
| TEKPT2556138D | 56.2 cm | 25.3 cm | VCG 13; VCC 13; VCC 14 VOL | 8 | pallet only | | | 1,656 |

Shuttle Trays

PREMIUM Series TT (Lightweight)

Type STD: deep version
Type F: Extra deep version
TYPE AZ: normal version

Standard colour: PCR Recyclable Natural Grey



| CODE | LENGTH | BREADTH | TO FIT POTS | POTS PER TRAY | TRAYS PER DT SHELF | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|-----------------|---------|---------|-----------------------------|---------------|--------------------|-------------|-------------|--------------|------------|
| TEKTT2653138AZ | 53.0 cm | 26.3 cm | Ø 13.0 cm | 8 | 5 | 55 | | | 1,440 |
| TEKTT2653138STD | 53.0 cm | 26.3 cm | Ø 13.0 cm Deep | 8 | 5 | 55 | | | 1,392 |
| TEK315310515AZ | 53.0 cm | 31.5 cm | Ø 10.5 cm | 15 | 4 | 74 | | | 1,110 |
| TEKDT105B15 | 53.0 cm | 31.5 cm | Ø 10.5 cm | 15 | 4 | 70 | | | 1,050 |
| TEKTT3155918AZ | 55.0 cm | 31.0 cm | Ø 9.0 cm | 18 | 4 | 82 | | | 1,230 |
| TEKTT3155918F | 55.0 cm | 31.0 cm | Ø 9.0 cm Extra Deep Version | 18 | 4 | pallet only | | | 1,200 |

TEKU TRAYS



Cultivation & Marketing Trays

PREMIUM Series TP (Lightweight)

Some of these TEKU twin trays can be separated at the perforated line, for consumer-orientated sales units. All trays of this type are provided with suitable cuts for tag labels and carrying handles.

*: for direct planting

AZ: Normal version, pots fit flush with the rim of the tray.

Danish Trolley

TP 1818-9 AZ/4

Trays per shelf: 21

Plants per shelf: 84

TP 2836-9 AZ/12-6

Trays per shelf: 6+(2x½)

Plants per shelf: 84

TP 2026-10.5/4

Trays per shelf: 18

Plants per shelf: 72

Danish Trolley

TP 1828-9 AZ/6

Trays per shelf: 14

Plants per shelf: 84



TP 1818-9 AZ/4*



TP 1828-9 AZ/6



TP 2026-10.5/4



TP 2836-9 AZ/12-6*

| CODE | LENGTH | BREADTH | TO FIT POTS | POTS PER TRAY | CARRY HANDLE | CASE QTY | PRICE / CASE | PRICE / 1000 | PALLET QTY |
|---------------|---------|---------|-----------------------|---------------|--------------|----------|--------------|--------------|------------|
| TEKTP18189AZ4 | 18.0 cm | 18.0 cm | Ø 9.0; 9.5 cm | 4 | TG40 | 480 | | | 5,676 |
| TEKTP18289AZ6 | 27.8 cm | 18.1 cm | Ø 9.0 cm | 6 | TG40 | 640 | | | 7,360 |
| TEKTP20264 | 26.0 cm | 20.0 cm | Ø 10; 10.5 cm; 11 VOL | 4 | TG40 | 400 | | | - |
| TEKTP283612 | 36.0 cm | 28.0 cm | Ø 9.0 cm | 2 x 6 | TG50 | 320 | | | 3,680 |

Cultivation Trays (ECO)

PREMIUM Series ECO (Lightweight)

The plants may directly be cultivated in the tray. The nests are suitably designed for easy removal of the plants.

Danish Trolley

ECO 6/28

Trays per Danish Trolley Shelf: 5

Plants per Danish Trolley Shelf: 140

ECO 8/18

Trays per Danish Trolley Shelf: 4

Plants per Danish Trolley Shelf: 72

ECO 9/15

Trays per Danish Trolley Shelf: 4

Plants per Danish Trolley Shelf: 60

ECO 3156-9x9/18

Trays per Danish Trolley Shelf: 4

Plants per Danish Trolley Shelf: 72

Standard colour: black



ECO 3156-9x9/18



ECO 6/28



ECO 8/18



ECO 9/15

| CODE | LENGTH | BREADTH | HEIGHT | CELL VOL | CELL DIA. | PLANTS PER TRAY | PLUG REMOVER | NET QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|---------------|-----------------------|---------|--------|----------|--------------|-----------------|--------------|---------|-------------|--------------|------------|
| TEKECO628 | 50.0 cm | 28.0 cm | 6.4 cm | 132 ml | 6.2 cm | 28 | AP 6/28 | 120 | | | 1,920 |
| TEKECO818 | 53.0 cm | 30.0 cm | 6.5 cm | 222 ml | 8.1 cm | 18 | AP 8/18 | 80 | | | 2,240 |
| TEKECO915 | 53.0 cm | 30.0 cm | 7.1 cm | 294 ml | 8.8 cm | 15 | AP 9/15 | 78 | | | 2,184 |
| TEKECO3156918 | 56.5 cm | 31.5 cm | 8.8 cm | 498 ml | 8.9 x 9.3 cm | 18 | - | 68 | | | 748 |
| TEKAP305028 | ECO 6/28 Plug Remover | | | | | | | 1 | | | - |
| TEKAP305318 | ECO 8/18 Plug Remover | | | | | | | 1 | | | - |
| TEKAP305315 | ECO 9/15 Plug Remover | | | | | | | 1 | | | - |

TEKU TRAYS



Cultivation & Marketing Trays

PREMIUM Series EP (Lightweight)

Some of these TEKU twin trays can be separated at the perforated line, for consumer-orientated sales units. All trays of this type are suitable for direct planting and are provided with suitable cuts for tag labels and carrying handles.

Standard colours:

PCR Recyclable Natural Grey

Danish Trolley

EP 2634/12-6

Trays per shelf: 7+(1x½)
Plants per shelf: 90

Danish Trolley

EP 2328/20-10

Trays per shelf: 10+(2x½)
Plants per shelf: 220

EP 2832/20-10

Trays per shelf: 8
Plants per shelf: 160

EP 2936/20-10

Trays per shelf: 6+½
Plants per shelf: 130



EP 2634/12-6



EP 2328/20-10



EP 2832/20-10



EP 2936/20-10

| CODE | LENGTH | BREADTH | HEIGHT | CELL VOL | PLANTS PER TRAY | CASE QTY | PRICE / NET | PRICE / 1000 | PALLET QTY |
|---------------|---------|---------|--------|----------|-----------------|-------------|-------------|--------------|------------|
| TEKEP23282010 | 28.0 cm | 23.0 cm | 6.3 cm | 125 ml | 2 x 10 | pallet only | | | 4,104 |
| TEKEP2634126 | 34.0 cm | 26.0 cm | 7.5 cm | 310 ml | 2 x 6 | pallet only | | | 2,728 |
| TEKEP28322010 | 32.0 cm | 28.0 cm | 6.0 cm | 166 ml | 2 x 10 | pallet only | | | 3,000 |
| TEKEP29362010 | 36.0 cm | 29.0 cm | 6.5 cm | 165 ml | 2 x 10 | pallet only | | | 2,112 |

ECO Tray - Programme for Minis



ECO 6/28 with MPB 6 & TO 6 D



ECO 8/18 with TO 7 D & TO 8 Z

SOPARCO

SD Large PP Containers - SMH Round

- Shiny surface

Colour: Black



| CODE | REFERENCE | VOL. (L) | Ø (cm) | HEIGHT (cm) | POTS PER SHELF | NET QUANTITY | PRICE / 1000 | NETS ON PALLET QUANTITY | PALLET QUANTITY |
|-------------|-----------|----------|--------|-------------|----------------|--------------|--------------|-------------------------|-----------------|
| SOP67162101 | 6716-2101 | 15.0 | 33.0 | 26.0 | - | 15 | | [22x15] 330 | 440 |
| SOP67202101 | 6720-2101 | 20.0 | 37.7 | 26.0 | - | 15 | | [16x15] 240 | 304 |
| SOP67252001 | 6725-2001 | 25.0 | 36.5 | 28.0 | - | 15 | | [12x15] 180 | 180 |

Recyclable Rose Containers Deep 5°

Extra deep containers with multi-hole cross base.

Colour:s: Taupe



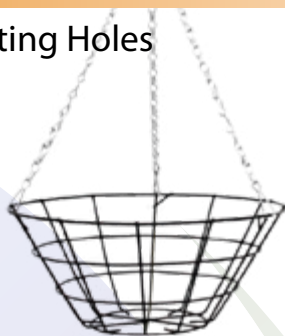
| CODE | REFERENCE | VOL. (L) | Ø (cm) | HEIGHT (cm) | POTS PER SHELF | BOX QUANTITY | PRICE / 1000 | BOXES ON PALLET QUANTITY | PALLET QUANTITY |
|-------------|-----------|----------|--------|-------------|----------------|--------------|--------------|--------------------------|-----------------|
| SOP7007PCWE | 7007-PCWE | 1.0 | 11.7 | 13.5 | - | - | | - | 7,920 |
| SOP7014PCWE | 7014-PCWE | 2.0 | 14.9 | 17.4 | - | 60 | | [72x60/S] 4,320 | 4,320 |
| SOP7027PCWE | 7027-PCWE | 3.0 | 16.8 | 19.2 | 28 | 70 | | [42x70/S] 2,940 | 2,940 |
| SOP7028PCWE | 7028-PCWE | 4.0 | 18.8 | 21.8 | 21 | 60 | | [60x36/S] 2,160 | 2,160 |

WIRE & WROUGHT IRON BASKETS

Flat Bottom - Narrow Planting Holes

Baskets are supplied with clip-on heavy duty chains, fully assembled for easy handling. Flat bottomed straight sided; 12", 14" or 16" and 18" heavy duty.

Plastic coated.



| CODE | DESCRIPTION | CASE | PRICE / CASE |
|------|-----------------|------|--------------|
| | 12" Wire Basket | 24 | |
| | 14" Wire Basket | 24 | |
| | 16" Wire Basket | 24 | |
| | 18" Wire Basket | 24 | |

Round Bottom Basket



| CODE | DESCRIPTION | CASE | PRICE / CASE |
|------|-----------------|------|--------------|
| | 12" Wire Basket | | |
| | 14" Wire Basket | | |
| | 16" Wire Basket | | |
| | 18" Wire Basket | | |

Basket Liners - Jute



| CODE | DESCRIPTION | QTY | PRICE / CASE |
|--------------|-----------------------------|-----|--------------|
| PAFBAL12B100 | 12" Basket Liner | 100 | |
| PAFBAL14B100 | 14" Basket Liner | 100 | |
| PAFBAL16B100 | 16" Basket Liner | 100 | |
| PAFBAL18B100 | 18" Basket Liner (no slits) | 100 | |

Hanging Basket Brackets - Black

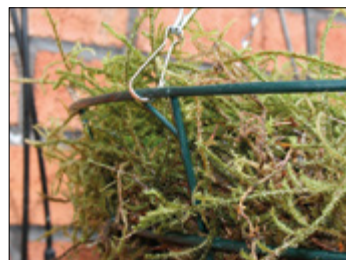
Robust hanging basket bracket in black. Easily fixes to exterior walls.



| CODE | SIZE | CASE | PRICE / CASE |
|----------|------|------|--------------|
| PAFBAB12 | 12" | 24 | |
| PAFBAB14 | 14" | 24 | |
| PAFBAB16 | 16" | 24 | |
| PAFBAB20 | 20" | 6 | |

Sphagnum Moss

Ideal for hanging baskets, holly wreaths and moss rings.



| CODE | DESCRIPTION | BAG | PRICE / BAG |
|-----------|---------------|-------|-------------|
| BLSML-BAG | Sphagnum Moss | Large | |

SwellGel Water Storing Granules

SwellGel is a free-flowing granular material, that is simply mixed with your preferred growing media. When irrigation or rainfall occurs, the SwellGel granules are activated and expand into thousands of self-contained 'reservoirs', each absorbing hundreds of times their own weight of water.

- SwellGel absorbs and stores dissolved nutrients which the plant roots then extract
- SwellGel is fully capable of absorbing and releasing many times over a five year period
- SwellGel greatly increases and maintains air content
- SwellGel is non-toxic, biodegradable, has a neutral pH and is inert, thus making it suitable for use with any plant species



| CODE | DESCRIPTION | OUTER | PRICE / EACH |
|--------|------------------------------|-------|--------------|
| SWE01K | SwellGel 1kg Tubs or Pouches | 12 | |

PLANTOPIA BASKETS

Plantopia Hanging Baskets

- No moss or liner required
- Increase productivity
- Outstanding quality... *in a fraction of the time*
- Supplied with chains



| CODE | DESCRIPTION | CASE | PRICE / CASE |
|-----------|-----------------------|------|--------------|
| PAPLRB12G | 12" Green | 32 | |
| PAPLRB14G | 14" Green | 24 | |
| PAPLPEDST | Green Pedestal | 1 | |
| PAPLWB20G | 20" Wall Basket Green | 20 | |

Honey Pot Planter 33cm [13.6L]



| CODE | DIAMETER | COLOUR | VOL |
|------------|----------|---------------------|--------|
| AETH172BKG | 33 cm | Black Gloss | 13.6 L |
| AETH172CBG | 33 cm | Cream/Beige Gloss | 13.6 L |
| AETH172GSG | 33 cm | Grey Speckled Gloss | 13.6 L |

Camden Planter 30cm [9L]



| CODE | DIAMETER | COLOUR | VOL |
|-------------|----------|-------------------------|-----|
| AETH254BKCB | 30 cm | Black with Copper Brush | 9 L |
| AETH254BKRB | 30 cm | Black with Red Brush | 9 L |

Cromarty Planter 36cm [17.5L]



| CODE | DIAMETER | COLOUR | VOL |
|-----------|----------|----------------|--------|
| AETZG3PAC | 36 cm | Antique Copper | 17.5 L |
| AETZG3PAG | 36 cm | Antique Gold | 17.5 L |
| AETZG3PAS | 36 cm | Antique Silver | 17.5 L |

Camden Planter 30cm [9L]



| CODE | DIAMETER | COLOUR | VOL |
|-------------|----------|-----------------------|-----|
| AETH254BLWW | 30 cm | Blue with White Wash | 9 L |
| AETH254GRWW | 30 cm | Green with White Wash | 9 L |

Brittany Bell Pot 35cm [9L]

The Brittany bell pot is made from 100% recycled Polypropylene with a traditional sleek design. It is lightweight and has a high quality feel. It is also weather-resistant.



| CODE | SIZE D x H | COLOUR | VOL |
|----------|------------|--------|-----|
| PAT35BRI | 35 x 30 cm | Grey | 9 L |

Woodland Fern Planter 38cm [17L]

Simple, beautifully detailed planter with classical details. Lightweight, easy to move and frost resistant.



| CODE | SIZE D x H | COLOUR | VOL |
|-------------|------------|--------|------|
| PAT38RWDFER | 38 x 27 cm | Green | 17 L |

FLORAGARD POTTING & BEDDING COMPOST

For small pots of approx. 7-9 cm; for bedding or balcony plants.



FLD70PBC

Price [70L bag]:

FLORAGARD MODULAR SEED COMPOST

Tray substrate with high air capacity, for vegetables and ornamentals.



FLD70MSC

Price [70L bag]:

FLORAGARD CONTAINER COMPOST

Container substrate for ground cover plants, shrubbery, broad-leaved trees and conifers.



FLD70CMC

Price [70L bag]:

VITAX COMPOST

Traditional Composts

A comprehensive range of high quality composts for professional growers produced entirely from our own resources to ensure quality and consistency. They are produced from graded Irish Moss Peat harvested from our own peat mire and blended at our own plant in County Kildare, Ireland. The peat is medium age, light brown in colour and provides excellent aeration and water holding capability.

Available sizes: 75 litre (x48 per pallet) & 2m³ IBC's



Traditional Modular Seed Compost

Traditional compost for seed sowing, cuttings and transplants.

| | |
|-------------------|--|
| Peat Grade: | 100% 0-6mm |
| Added fertiliser: | 7-21-21+4.0 MgO+TE - 1.0 kg/m ³ |
| Added lime: | 3.125 kg/m ³ |
| pH: | 5.5 - 6.3 |
| Price [75L bag]: | (Code: VIT75MSC) |



Traditional Pot Bedding Compost

For raised bedding pots, trays, hanging baskets and tubs.

| | |
|-------------------|---|
| Peat Grade: | 100% 0-6mm |
| Added fertiliser: | 13-11-23+1.5 MgO+TE - 1.5 kg/m ³ |
| Added lime: | 3.5 kg/m ³ |
| pH: | 5.5 - 6.3 |
| Price [75L bag]: | (Code: VIT75PBC) |



Traditional Container Compost

Blended product for container grown plants.

| | |
|-------------------|---|
| Peat Grade: | 50% 0-6mm / 15% 6-10mm / 35% 10-25mm |
| Added fertiliser: | 13-11-23+1.5 MgO+TE - 1.0 kg/m ³ |
| Added lime: | 2.7 kg/m ³ |
| pH: | 5.0 - 5.5 |
| Price [75L bag]: | (Code: VIT75TCC) |



Q4 Multi-purpose Compost

Contains Q4 fertiliser. Suitable for seed sowing, pricking out and potting on. Ideal for hanging baskets and tubs.

| | |
|-------------------|---|
| Peat Grade: | 100% 10mm |
| Added fertiliser: | 5.3-7.5-10+3.0 MgO+TE - 3.5 kg/m ³ |
| Added lime: | 3.5 kg/m ³ |
| pH: | 6.0 |
| Price [56L bag]: | (Code: VIT56MPCQ4) |



AGGREGATES

Horticultural Potting Grit

- Lime-free washed grit
- Use around cacti, succulents and alpines
- Mix with compost to improve drainage
- Improves drainage when dug into heavy soil
- Particle size: 1-5 mm



MEL20HPG

Price [20 Kg]:

Gravel 20 Kg

- Lime-free washed gravel
- Provides excellent drainage and top dressing
- Ideal for use in water features
- Use for paths, drives and rock gardens
- Particle size: 4-10 mm



MEL20HGR

Price [20 Kg]:

Coarse Grit 20 Kg

- Horticultural grade
- Lime-free and washed
- Decorative top-dressing for pots
- Ideal for use around cacti and alpines
- Particle size: 2-6 mm



MEL20HCG

Price [20 Kg]:

Silver Sand 20 Kg

- Horticultural grade - lime free
- Mix with peat to make compost for cuttings
- Improves aeration
- Ideal for top dressing of lawns



MEL20SIS

Price [20 Kg]:

Sharp Sand 20 Kg

- Horticultural grade coarse sand
- Washed and lime-free
- Improves drainage in seed and cuttings compost
- Can also be used when laying paving etc



MEL20SHS

Price [20 Kg]:

RETAIL

GROWMOOR FARMYARD MANURE

- Perfect soil conditioner
- Rich source of organic matter
- Replenishes depleted soils
- Produces higher crop yields & abundant blooms
- Works best with beds & borders, vegetable plots, roses and trees & shrubs

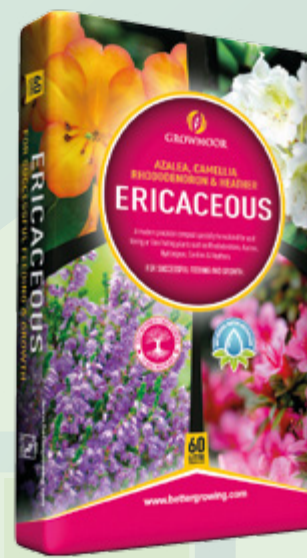


GRO50FYM

Price [50L bag]:

GROWMOOR ERICACEOUS PLANTING & POTTING MIX COMPOST

- Perfect for acid loving plants
- 6 months feed
- Contains Iron for greener foliage
- Added zinc complex helps build plant resilience



GRO60ERE

Price [60L bag]:

AFTERCUT ALL IN ONE LAWN FEED, WEED & MOSS KILLER

Key Benefits

- Lawn feed, weed & moss killer treatment
- NPK 12-2-4
- Contains 2-4-D Mecocrop-P and Ferrous Sulphate
- 350m² Bag



Price [350m²]:

Code: WESAFWM500

RETAIL

WESTLAND LANDSCAPE BARK

- Larger size bark chips made from entirely renewable resources. FSC Approved.
- Decorative mulch, children's play areas, weed suppression and moisture retention.
- Area treated 4m²

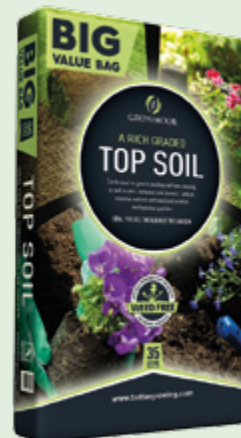


WES90LANB

Price [90L bag]:

GROWMOOR TOP SOIL

- Specially selected rich clay loam
- Ideal for use all round the garden
- Quality soil with no debris & stones
- Perfect for bed & borders, filling hollows and topping-up



GRO35TS

Price [35L bag]:

JOHN INNES NO.1 YOUNG PLANT COMPOST

- Gives young plants the best start in life
- Feeds for four weeks
- Encourages healthy growth
- Develops stronger roots
- Added Zinc complex for healthy growth



GRO35JI1

Price [35L bag]:

JOHN INNES NO.2 POTTING-ON COMPOST

- Feeds & encourages healthy plant growth
- Added Potassium humate promoting root & shoot growth
- Encourages flower development
- Feeds for five weeks
- Develops stronger roots



GRO35JI2

Price [35L bag]:

JOHN INNES NO.3 MATURE PLANT COMPOST

- Nurtures & sustains growth
- Feeds for four months
- Rich in nutrients for hungry plants
- Encourages new growth



GRO35JI3

Price [35L bag]:

GROWMOOR TOMATO PLANTER LARGE

- Feeds for 6 weeks
- Moisture retention formula - requires less watering
- Extra large - more roots, more fruit, vegetables & tomatoes
- Perfect for growing tomatoes, peppers, chillies, strawberries, beans & salad crop
- Added seaweed



GRO56GTP

Price [large]:

GROWMOOR 4-PLANT GROWBAG

- Suitable for greenhouse, conservatory or patio use
- Ideal for flowers, fruit & vegetables
- Rich in potash for abundant flowering & fruiting



GRO384PGB

Price [medium]:

SINCLAIR PRO GROWING MEDIA

PERLITE

This expanded volcanic rock is an excellent additive for composts to improve aeration and drainage.

- Inorganic and sterile
- Free from pests, diseases and weeds
- Helps reduce compaction and 'slumping' of growing media
- Improves compost aeration
- Makes growing media easier to manage because of improved wetting and capillary movement of water
- Helps stabilise compost temperature



Perlite Special Seed 100L

Particle size: 1.0 - 3.0mm
Improves aeration.

Perlite Standard 100L

Particle size: 2.0 - 5.0mm
Replaces sand or grit for optimum aeration.

Perlite Supercoarse 100L

Particle size: 1.0 - 6.0mm
Ideal for potting orchids, bromeliads, tropical plants and bonsai.



| CODE | PARTICLE SIZE | DESCRIPTION | SIZE | PRICE |
|-------------|---------------|----------------------|------|-------|
| SINPERSS100 | 1-3 mm | Perlite Seed Special | 100L | |
| SINPERST100 | 2-5 mm | Perlite Standard | 100L | |
| SINPERSC100 | 1-6 mm | Perlite Super Coarse | 100L | |

VERMICULITE

In composts, improves aeration and drainage whilst also providing nutrient buffering capacity. Widely used in propagation as a seed cover.

- Eases re-wetting of growing media when it has dried out
- Extends watering intervals
- Improves growing media aeration
- Acts as a nutrient buffer
- The excellent insulation properties and ability to hold nutrients as well as air make it an ideal choice for seed composts



Vermiculite Fine 100L

Particle size: 1.0 - 3.0mm
Aids water management of peat-based growing.

Vermiculite Medium 100L

Particle size: 2.0 - 5.0mm
Improves aeration. Used for covering seed.

Vermiculite Coarse 100L

Particle size: 5.0 - 15.0mm
Improves aeration and aid water holding capacity.



| CODE | PARTICLE SIZE | DESCRIPTION | SIZE | PRICE |
|-------------|---------------|--------------------|------|-------|
| SINVERFN100 | 1-3 mm | Vermiculite Fine | 100L | |
| SINVERMD100 | 2-5 mm | Vermiculite Medium | 100L | |
| SINVERCR100 | 5-15 mm | Vermiculite Coarse | 100L | |

SINCLAIR POTTING & BEDDING COMPOST (PEAT REDUCED)

For raising bedding and pot plants in pots, trays, hanging baskets and tubs. Peat reduced.

N 18 P₂O₅ 224 K₂O 384 g/m³
pH 6.0



SIN75PBCSIN

Price [75L bag]:

SINCLAIR MODULAR SEED COMPOST

A free-flowing compost suitable for raising transplants, seed sowing and rooting cuttings. Peat reduced.

N 96 P₂O₅ 170 K₂O 249 g/m³
pH 6.0



SIN75MSCSIN

Price [75L bag]:

SINCLAIR NURSERY STOCK COMPOST

An easily managed coarse grade growing medium with bark and grit. Recommended for both ericaceous and non-ericaceous species.

Peat: 0-10mm 25% 3-15mm 27.5% 15-25mm 27.5%
Bark: 3-12mm 15%
Grit: 5%
N 120
P₂O₅ 140
K₂O 240 g/m³
pH 5.0



SIN75NSCSIN

Price [75L bag]:

FLORAGARD PEAT

BULK PRODUCTS

Floragard Fine Substrate

Peat: 0-10mm 100%

pH: 4.0

Product uses: After appropriate pH and nutrient adjustment, for use in propagation from seeds and cuttings for ornamental, salad and vegetable production - especially designed for modular transplants.

| CODE | SIZE |
|----------|-------|
| FLOFP250 | 250 L |

Floragard Medium Substrate

Peat: 0-25mm 100%

pH: 4.0

Product uses: After appropriate pH and nutrient adjustment, recommended for ornamental bedding and potting use, also salad and vegetable.

| CODE | SIZE |
|----------|-------|
| FLOMP250 | 250 L |

Floragard Medium Coarse Substrate

Peat: 0-40mm 100%

pH: 4.0

Product uses: After appropriate pH and nutrient adjustment, recommended for long-term nursery stock production in containers.

| CODE | SIZE |
|-----------|-------|
| FLOMCP250 | 250 L |



MELCOURT® PROFESSIONAL GROWING MEDIA

Sylvagrow Sustainable Growing Medium

Sustainable growing medium for gardeners who are as passionate about the environment as their gardens.

- Superb quality, 100% peat-free compost as used by professionals
- Suitable for a wide range of garden applications including potting-on, planting-out and as a growing bag
- It contains balanced nutrients for the first 4-6 weeks of growth
- Contains no peat or green waste compost
- RHS Endorsed
- Also available with added sterilised loam (John Innes)



| CODE | DESCRIPTION | SIZE | PRICE |
|-------------|------------------------------------|------|-------|
| MEL50SGMPC | Sylvagrow Multipurpose | 50 L | |
| MEL50GMPCJI | Sylvagrow MP with added John Innes | 50 L | |

Spruce Ornamental™ (5065)

A popular high performance mulch, from our 'contract' range suitable for a wide range of professional landscape applications, including prestigious sites, car parks, supermarkets, business parks, tubs, plant and window boxes.

- A versatile conifer bark mulch
- Nominal particle size 5-35mm
- Minimum installation depth 75mm/3"
- Use on garden borders and landscaped areas
- Fire tested in accordance with BS 4790:1987
- Approved by the Soil Association (SA)
- Certified by the Forest Stewardship Council (FSC)
- Suitable for vegans



| CODE | PARTICLE SIZE | DESCRIPTION | SIZE | PRICE |
|-------------|---------------|---------------------|-------|-------|
| MELBAR60SOR | 5-35 mm | Spruce Ornamental | 60 L | |
| MELBARDBSOR | 5-35 mm | Dumpy Bag 190-210kg | 0.6m³ | |

Growing Media Ingredients

EcoBark™ Topper (7125)

A medium graded, well-matured mixed conifer bark designed as a cost-effective pot topper. Also an ideal additive to peat and its alternatives.

- Produced from British mixed-conifer bark
- Free-flowing, easily applied or mixed with other ingredients
- pH 5.0-6.0
- Sound, stable structure
- Dark brown in colour
- Approved by the Soil Association (SA)
- Certified by the Forest Stewardship Council (FSC)



| CODE | PARTICLE SIZE | DESCRIPTION | SIZE | PRICE |
|-------------|---------------|----------------|------|-------|
| MELBAR60ECY | 0-12 mm | EcoBark Topper | 60 L | £6.00 |

Potting Bark™ (7124)

A matured, British pine bark chip, mid to dark brown in colour, with virtually no fines, designed for incorporation into growing media, to improve both air-filled porosity and long term structural stability.

- Also an excellent pot mulch to suppress weed, moss and liverwort growth
- pH 4.5 - 5.5
- Approved by the Soil Association (SA)
- Certified by the Forest Stewardship Council (FSC)



| CODE | PARTICLE SIZE | DESCRIPTION | SIZE | PRICE |
|-------------|---------------|--------------|------|-------|
| MELBAR60POT | 3-15 mm | Potting Bark | 60 L | |

Propagating Bark™ (7126)

A fine, substantially dust free, matured, British pine bark designed for use in mixes with peat or suitable alternatives for the vegetative propagation of nursery stock and a wide range of other plants.

- pH 4.5-5.5



| CODE | PARTICLE SIZE | DESCRIPTION | SIZE | PRICE |
|-------------|---------------|------------------|------|-------|
| MELBAR60PRP | 2-7 mm | Propagating Bark | 60 L | |

Composted Fine Bark™ (7573)

Rich, bark-based soil conditioner. Improves a soil's texture by adding organic matter, thus helping to lighten heavy/clay soil whilst aiding moisture-holding capacity of light/sandy soils. Free-flowing and easy to incorporate into soil.



| CODE | PARTICLE SIZE | DESCRIPTION | SIZE | PRICE |
|-------------|---------------|---------------------|------|-------|
| MELBAR50CMF | 0-10 mm | Composted Fine Bark | 50 L | |

Our products are available in a delivery form to suit just about any customer: in maxi bales, bulk bags, polythene bags, or in bulk loose loads



ICL PROFESSIONAL HORTICULTURE

Nurture

Osmocote® Bloom

Osmocote Bloom controlled release fertilizer for bedding plants is specifically designed for annuals in small pots.

12-7-18+1.5MgO+TE



Advantages of using Osmocote Bloom

- NPK ratio of 2:1:3 is perfect for condensed growth of bedding plants
- Mini granule ideal for mixing in small pots and packs
- Lower fertiliser inputs so environmentally friendly
- Easy to use, at full rates no need for water soluble fertilizers
- Improves shelf life of bedding plants in trade and consumer phases

| CODE | DESCRIPTION | SIZE | PRICE |
|------------|-----------------------|------|-------|
| FEROSB0203 | Osmocote Bloom 2-3mth | 25kg | |

Osmocote® Start

Osmocote Start is designed as a starter fertilizer for crops with a short cultivation cycle. Fully coated, it has an NPK composition of 11-11-17 and contains all essential trace elements. Refined coatings enable uniform and controlled supply of nutrients to plants with a lower EC, even during shorter growing periods.

11-11-17+2MgO+TE



Advantages of using Osmocote Start

- Specialist product for slow growing plants with long cropping cycle
- Promotes improved rooting and crop colour
- Safe to use, no salt stress
- Easy to apply and dust-free

| CODE | DESCRIPTION | SIZE | PRICE |
|-------------|----------------|------|-------|
| FEROSS-25KG | Osmocote Start | 25kg | |

Osmocote® Topdress

Osmocote Topdress FT (Fusion Technology) 4-5 month is our coated fertilizer specifically designed for topdress applications in container nursery stock.

Simple things are often the best. Knowing that container nursery stock plants tend to fall over in windy conditions, Osmocote Topdress FT contains a component which makes the granules stick to the growing media.



22-5-6+2MgO+TE

Advantages of using Osmocote Topdress

- Contains fast and slow release nitrogen and phosphorous
- Fine granule size for an even distribution
- Sticks to the growing medium - no loss of granules if the pot is blown over
- Contains extra trace elements for greening effect

| CODE | DESCRIPTION | SIZE | PRICE |
|------------------|--------------------------|------|-------|
| FEROSTD0405-25KG | Osmocote Topdress 4-5mth | 25kg | |

Nurture

Osmocote® 5



New OTEA System

Osmocote 5 features an NPK release pattern that matches the plant needs closer than ever before. It makes the uptake and usage of applied plant nutrition even more efficient and effective.

16-8-12+2.2MgO+TE



Advantages of using Osmocote 5

- More efficient and effective uptake of applied plant nutrition, matching the NPK release pattern and the plants needs with more precision than ever before
- Best possible plant colour, health and growth with the improved trace element delivery system
- Highest nutrient release efficiency
- Optimising the availability of trace elements in the growing media and their uptake by plants (OTEA System)
- Highest safety for plants
- Highest consistency: every bag of the product is identical
- Coloured granules for longevity recognition

| CODE | DESCRIPTION | SIZE | PRICE |
|------------|---------------------|------|-------|
| FEROS50304 | Osmocote 5 3-4mth | 25kg | |
| FEROS50506 | Osmocote 5 5-6mth | 25kg | |
| FEROS50809 | Osmocote 5 8-9mth | 25kg | |
| FEROS51214 | Osmocote 5 12-14mth | 25kg | |

Straight from the Osmocote Green Lab

For over 50 years, we have continuously invested in Osmocote product development, creating products to support growers in creating stronger, more resilient, and greener plants.



ICL PROFESSIONAL HORTICULTURE

Nurture

Osmocote® Pro

Osmocote Pro is a 2nd generation controlled release fertilizer with a high NPK content. Containing all necessary trace elements it has a fixed release pattern.



19-9-10+2MgO+TE 3-4m & 5-6m

18-9-10+2MgO+TE 8-9m & 12-14m

Advantages of using Osmocote Pro

- Contains trace elements
- 100% coated NPK, Mg and trace elements, plants are supplied with all required nutrients during the whole crop cycle
- Offers good value for money
- Has a high NPK content
- Safe, reliable and easy to use

| CODE | DESCRIPTION | SIZE | PRICE |
|------------|-----------------------|------|-------|
| FEROSP0304 | Osmocote Pro 3-4mth | 25kg | |
| FEROSP0506 | Osmocote Pro 5-6mth | 25kg | |
| FEROSP0809 | Osmocote Pro 8-9mth | 25kg | |
| FEROSP1214 | Osmocote Pro 12-14mth | 25kg | |

Osmocote® Exact

Standard

Osmocote Exact Standard products employ proven 3rd generation technology, providing the assurance of quality, safety and uniformity throughout the growth season and, if desired, patterned release.



16-9-12+TE 3-4m

15-9-12+2MgO+TE 5-6m

15-9-11+2MgO+TE 8-9m & 12-14m

Advantages of using Osmocote Exact Standard

- Highest possible controlled release and safety fertilizer
- All essential trace elements
- Part of the granules are colour-coded according to longevity to avoid mistakes
- Very consistent, every bag gives identical results

| CODE | DESCRIPTION | SIZE | PRICE |
|------------|----------------------------------|------|-------|
| FEROSE0304 | Osmocote Exact Standard 3-4mth | 25kg | |
| FEROSE0506 | Osmocote Exact Standard 5-6mth | 25kg | |
| FEROSE0809 | Osmocote Exact Standard 8-9mth | 25kg | |
| FEROSE1214 | Osmocote Exact Standard 12-14mth | 25kg | |

Nurture

Osmocote® Exact

High K

Osmocote Exact High K helps provide quality flowering plants which are compact with good leaf colouring. This is essential in order for growers to maximise return on investments through sales.



12-7-19+TE

Advantages of using Osmocote Exact High K

- Good results for compact growth; ideal N / K ratio, combined with Low P (reduced stretching)
- Plant roots develop very well with new High K because of optimal EC first weeks after potting
- Excellent leaf shine and colour, thanks to the full trace element package + ultimate Iron release
- Includes Double Coating Technology (DCT) for better nutrient release throughout the growing season

| CODE | DESCRIPTION | SIZE | PRICE |
|--------------|--------------------------------|------|-------|
| FEROSEHK0506 | Osmocote Exact High K 5-6mth | 25kg | |
| FEROSEHK0809 | Osmocote Exact High K 8-9mth | 25kg | |
| FEROSEHK1214 | Osmocote Exact High K 12-14mth | 25kg | |

Osmocote® Exact (DCT)

Protect

Osmocote Exact Protect is the latest 4th generation controlled release fertilizer from ICL. By incorporating Double Coating Technology (DCT). Due to Osmocote Hi. Ends 'programmed release', nutrient supply optimally matches plant needs. Meaning it delivers nutrients when the plant needs it later in the growing season.



15-9-12+2MgO+TE 5-6m

15-9-11+2MgO+TE 8-9m

15-8-11+2MgO+TE 12-14m

Advantages of using Osmocote Exact Protect

- Improves crop quality, helps improve yields and ultimately increases 'return on investment'
- GREAT VALUE - Provides an integrated fertilizer boost saving time and money on additional applications during the growing season
- Environmentally safe - less leaching into water systems
- Due to the higher nutrient release in the second growing phase that matches plant needs, plant growth optimised
- Works well for autumn and early spring potting

| CODE | DESCRIPTION | SIZE | PRICE |
|--------------|---------------------------------|------|-------|
| FEROSEHE0506 | Osmocote Exact Protect 5-6mth | 25kg | |
| FEROSEHE0809 | Osmocote Exact Protect 8-9mth | 25kg | |
| FEROSEHE1214 | Osmocote Exact Protect 12-14mth | 25kg | |

ICL PROFESSIONAL HORTICULTURE

Nurture

Osmocote® Exact

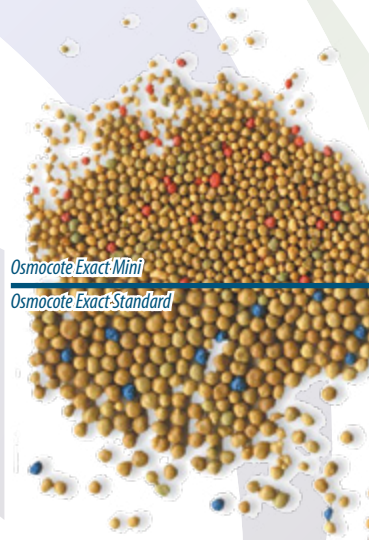
Mini

Specially developed for use in small substrate volumes. Osmocote Exact Mini is ideal for pots smaller than 8cm, for example plugs and trays with small compartments. With a granule size 0.85 to 2.0mm, this product guarantees optimum distribution of nutrients in substrate. The granules are so small that good distribution can be achieved even in volumes starting at 20ml.

16-8-11+2MgO+TE

Advantages of using Osmocote Exact Mini

- The reliability of Osmocote Exact, but for pots with small volumes
- Uniform plant growth, thanks to good granule distribution
- 100% coated and therefore 100% safe for plants
- Every granule contains all the nutrients
- Easy, accurate dosing
- Very easy to apply



| CODE | DESCRIPTION | SIZE | PRICE |
|-------------|----------------------------|------|-------|
| FEROSEM0304 | Osmocote Exact Mini 3-4mth | 10kg | |
| FEROSEM0506 | Osmocote Exact Mini 5-6mth | 10kg | |

Osmocote® Exact

Tablet

Osmocote Exact Tablets offer convenience and very accurate rates of nutrients. Due to their cone-like shape, the tablets can be easily pushed into the growing media. As with Osmocote Exact, the longevity is instantly recognized by the colour of the granules in the tablets. Tablets are available in 5 gram and 7.5 gram formats.

14-8-11+2MgO+TE

Advantages of using Osmocote Exact Standard products

- Safety: highest possible safety, controlled release and high level of all essential trace elements. Colour-coded for longevity to avoid mistakes
- Consistency: highly consistent, every box of product gives identical results thanks to excellent quality control exceeding all industry standards
- Patterned release: available in various release patterns, exactly tailored to crop requirements, to provide optimal plant growth. Very efficient and therefore environmentally friendly

| CODE | DESCRIPTION | TABLET | SIZE | PRICE |
|--------------|------------------------------|--------|-------|-------|
| FEROSET50506 | Osmocote Exact Tablet 5-6mth | 5grm | 7.5kg | |
| FEROSET70506 | Osmocote Exact Tablet 5-6mth | 7.5grm | 7.5kg | |
| FEROSET50809 | Osmocote Exact Tablet 8-9mth | 5grm | 7.5kg | |
| FEROSET70809 | Osmocote Exact Tablet 8-9mth | 7.5grm | 7.5kg | |



Nurture

Micromax® Premium

Micromax Premium is a fine granular fertilizer with trace elements, which are essential in order to obtain optimum plant growth. The unique formula also increases the efficiency of the major elements.

B+Cu+Fe+Mn+Mo+Zn

Product Advantages

- Well balanced combination of trace elements
- Superior product for containerized crops. Perfect start-up effect
- Long lasting supply of trace elements to the plants, up to 16 months
- Stimulates rooting, strong and healthy crops

| CODE | DESCRIPTION | SIZE | PRICE |
|------------|------------------|------|-------|
| FERMP-25KG | Micromax Premium | 25kg | |



Micromax® Fe

Micromax Fe is a premium fully water-soluble fertilizer, consisting of EDDHA-chelated iron plus X3, a biostimulant that enhances absorption of the Fe-chelate compound into plant leaves resulting in optimum nutrient uptake.

6% Fe

Product Advantages

- Fe deficiency disappears within a few days
- Promotes rapid absorption of the Fe enclosed, into the crop's leaves and roots
- Enhances plant photosynthesis and other metabolic functions
- Can be tank-mixed with a wide range of other fertilizers and crop-protection compounds

| CODE | DESCRIPTION | SIZE | PRICE |
|-------|-------------|------|-------|
| FERMF | Micromax Fe | 5kg | |



Micromax® TE Mix

Micromax TE Mix is a premium water-soluble trace element mix, consisting of all major trace-elements (TE), whereby all cationic ones are present in chelated form.

B+Cu+Fe+Mn+Mo+Zn

Product Advantages

- Prevents deficiencies via a well-balanced composition of essential trace elements
- Stimulates rooting and performs a base for healthy plant growth
- Dissolves quickly and totally, so that solution preparation is easy and trouble-free
- Contains X3, a specific biostimulant that enhances an effective nutrient uptake
- EDTA and DTPA are powerful chelating agents, Mn-EDTA is 2 to 5 times better available to plant than non-chelated Manganese (eg Manganese Sulphate)

| CODE | DESCRIPTION | SIZE | PRICE |
|--------|-----------------|------|-------|
| FERMTE | Micromax TE Mix | 5kg | |



ICL PROFESSIONAL HORTICULTURE

Nurture

Peters® Excel

Soft Water Range

Peters Excel products feature unique formulations delivering complete plant nutrition using a single-concentrate stock tank, while taking into account the quality of irrigation water. This helps minimise labour, reducing overall costs while improving quality. All Peters Excel products are completely water soluble, keeping irrigation systems clean.

CalMag Grower

15-5-15+7CaO+3MgO+TE

CalMag Grower has a balanced N:K ratio that is engineered to promote healthy growth. It is a single-tank mix formula containing all the necessary nutrients plants require. CalMag Grower is also compatible with calcium nitrate.



CalMag Finisher

13-5-20+7CaO+2MgO+TE

CalMag Finisher is a single-tank mix fertilizer providing plants with all the essential nutrients required. It is often used as a follow-up to CalMag Grower. It has a high potassium formula that leads to compact and condensed growth.



Features and benefits of Peters Excel CalMag Grower

- Especially developed for use in soft water, unique in its effects
- Healthy growth as a result of continuous supply of calcium and magnesium
- Reliable system thanks to selected composition of raw materials and chelated trace elements
- High level of chelated trace elements ensures perfect colour and growth
- Single-tank mix concept: all nutrient elements in a single storage tank, including calcium

| CODE | DESCRIPTION | SIZE | PRICE |
|--------------|-----------------------|------|-------|
| FERPEG150515 | Peters Excel Grower | 15kg | |
| FERPEF130520 | Peters Excel Finisher | 15kg | |

Universol®

Universol is a great value water soluble fertilizer for pot, bedding and all container nursery stock. Trusted by growers, the Universol range helps to consistently deliver high quality plants. Universol is colour dyed for ease of use.

Universol Blue

18-11-18+2.5MgO+TE

Well balanced mid-season growth

Universol Blue has a balanced NPK ratio and elevated amounts of trace elements to help ensure even growth in the middle of the season. Additionally, it will help to increase the development of the plant. It is a balanced formula to use after Universol Yellow.



Nurture

Universol Yellow

12-30-12+2.2MgO+TE

Boost root and shoot bud growth

Universol Yellow gets plants off to a good start. Containing a high amount of phosphate it gives a valuable early boost to root and shoot bud growth. Apply once or twice soon after potting young plants to aid establishment.



Universol Green

23-6-10+2.7MgO+TE

Nitrogen boost for extra growth

Universol Green contains a high level of nitrogen to boost growth. It contains the perfect balance of readily available nitrate nitrogen and ammonium nitrogen to promote medium to long term growth. Universol Green is best to apply at the beginning of the crop cycle, just after completing Universol Yellow.



Universol Orange

16-5-32+3.4MgO+TE

Slower growth to promote flowering

Universol Orange is an effective, high-quality water soluble fertilizer which dissolves very quickly for immediate use. While helping to slow down plant growth, it encourages flowering. Packed with potassium, Universol Orange is great to use on flowering pot and bedding plants. It is also ideal to use if there is excess nitrogen in the irrigation water.



Universol Violet

10-10-30+3.3MgO+TE

Compact strong early growth

Universol Violet contains high levels of potassium encouraging compact and strong growth, great leaf colour, and excellent flower development. Ideal to use for slowing down plant growth, it can be used as a holding feed. Additionally, it will help balance out nutrition if nitrogen is present in the irrigation water.



| CODE | DESCRIPTION | SIZE | PRICE |
|-------|------------------|------|-------|
| FERUB | Universol Blue | 25kg | |
| FERUY | Universol Yellow | 25kg | |
| FERUG | Universol Green | 25kg | |
| FERUO | Universol Orange | 25kg | |
| FERUV | Universol Violet | 25kg | |

ICL PROFESSIONAL HORTICULTURE

Nurture

Universol®

Soft Water Range

Our three new Universol Soft Water products have been developed for application in soft irrigation water and contain NPK, Mg, Ca and a full package of trace elements.

Universol Soft Water 312R 18-7-12+6CaO+2MgO+TE

With a nitrogen aimed N:K ratio of 3:2 and high calcium, Universol Soft Water 312R is ideal for foliar crops and for the early growing phase. This product can be mixed with calcium nitrate.

Note: mix up to a maximum 50:50. Before adding the CaNO₃, first dissolve the Universol.

Universol Soft Water 213R 14-7-22+5CaO+2MgO+TE

With a potassium aimed N:K ratio of 2:3, this product is ideal for flowering crops and compact growth. Universol Soft Water 213R can be mixed with calcium nitrate making it possible to create a N:K ratio of 1:1.

Universol Soft Water 113R 11-11-31+2CaO+2MgO+TE

With a high potassium aimed N:K ratio of 1:3, this formulation is ideal for flowering crops and to harden off crops in their final growth phase.



Advantages of Universol Soft Water

- Contains all elements; NPK, magnesium, trace elements and even calcium
- Always the same composition thanks to stringent quality control
- Quick effect due to strong, fast performance
- Dissolves entirely and quickly because of the special ingredients and the 'Bright Solution System'
- Excellent value for money
- Always a suitable analysis for your crop
- Healthy growth as a result of continuous supply of calcium
- Improves the quality of the irrigation water

| CODE | DESCRIPTION | SIZE | PRICE |
|------------|---------------------------|------|-------|
| FERUSW312R | Universol Soft Water 312R | 25kg | |
| FERUSW213R | Universol Soft Water 213R | 25kg | |
| FERUSW113R | Universol Soft Water 113R | 25kg | |

Nurture

Universol®

Hard Water Range

Our two new Universol Hard Water products have been developed for application in hard irrigation water, with high levels of bicarbonate.

Universol Hard Water 211 23-10-10+2MgO+TE

Hard Water 211 contains NPK, Mg and a full package of trace elements. With an N:K ratio of 2:1, it is ideal for plants requiring high amounts of nitrogen during the early growing phase.



Universol Hard Water 225 11-10-28+2MgO+TE

Hard Water 225 promotes compact growth in flowering plants and is ideal for hardening off plants, acidifying irrigation water and neutralizing bicarbonate. The N:K ratio of 2:5 means this product can be used in combination with water containing high nitrogen levels and with nitrogen fertilizers (eg Nitric acid).



Advantages of Universol Hard Water

- Contains all elements; NPK, magnesium, trace elements and even calcium
- Always the same composition thanks to stringent quality control
- Quick effect due to strong, fast performance
- Dissolves entirely and quickly because of the special ingredients and the 'Bright Solution System'
- Excellent value for money
- Always a suitable analysis for your crop
- Improves the quality of your irrigation water, by taking out bicarbonates
- The pH of the soil remains stable as a result of the HCO₃⁻ buffering effect

| CODE | DESCRIPTION | SIZE | PRICE |
|-----------|--------------------------|------|-------|
| FERUHW211 | Universol Hard Water 211 | 25kg | |
| FERUHW225 | Universol Hard Water 225 | 25kg | |

Wetting Agent - H2Gro

H2Gro is a unique blend of surfactants based on 3D technology with a multi-matrix effect. It is a unique wetting agent based on a water conservation agent that holds the maximum amount of water to the previously water repellent materials and to other materials in the growing media.



H2Gro Granules

Advantages

- 3 in 1 mode of action - wetting and spreading agent, penetrating agent and re-wetting agent
- Granular product gives long lasting effect

| CODE | DESCRIPTION | SIZE | PRICE |
|------------|----------------|------|-------|
| WETHG-10KG | H2Gro Granules | 10kg | |
| WETHG5L | H2Gro Liquid | 5L | |

OMEX NUTRITIONAL PRODUCTS



O-Phyte

A biostimulant based on phosphite.

To stimulate plant growth and improve the uptake and systemic movement of nutrient cations within the plant.

Improved root growth and crop establishment. Improved nutrient uptake.



| CODE | DESCRIPTION | SIZE | PRICE |
|--------------|--------------|------|-------|
| FERTOPHYT20L | Omex O-Phyte | 20 L | |

Zynergy®

This specially formulated combination of highly available copper and zinc is designed to form a key part of an integrated crop management programme to boost crop health and maximise yield potential.

Crops: A wide range of crops including soft and top fruit, protected edibles, lettuce, cucumber and ornamentals.



| CODE | DESCRIPTION | SIZE | PRICE |
|-------------|--------------|------|-------|
| FERTOZYNE5L | Omex Zynergy | 5 L | |

Kelpak®

Organic growth stimulant used to enhance root growth which improves both yield and quality. Kelpak helps plants overcome periods of stress caused, for example, by drought, waterlogging or root damage.

Crops: All glasshouse crops, soft fruit, cut flowers, salads, all ornamentals and amenity turf.



| CODE | DESCRIPTION | SIZE | PRICE |
|-------------|-------------|------|-------|
| FERTOKEP5L | Omex Kelpak | 5 L | |
| FERTOKEP25L | Omex Kelpak | 25 L | |

CalMax® Ultra

Calcium deficiency is the major cause of a number of disorders including bitter pit in apples, fruit splitting and cracking; tip burn in lettuce and blossom end rot in tomatoes.

Omex has developed a unique formulation of calcium to overcome this problem. Using eba™ technology, CalMax Ultra plus a 'pump primer' that ensures the calcium can be actively transported into plant cells even during difficult periods of low metabolic activity and stress.



| CODE | DESCRIPTION | SIZE | PRICE |
|--------------|-------------------|------|-------|
| FERTOCALMU5L | Omex CalMax Ultra | 5 L | |

Bio 20

20-20-20

Bio 20 is a 20-20-20 NPK concentrated emulsion fertiliser containing a unique package of organic plant growth stimulants and fully chelated trace elements.

Use: As a general foliar or liquid feed and plant growth stimulant, particularly in times of stress. As growth conditioner and size enhancer.



| CODE | DESCRIPTION | SIZE | PRICE |
|---------------|-------------|------|-------|
| FERTOBIO2010L | Omex Bio 20 | 10 L | |

Catalyst®

Catalyst provides a range of organic acids and seaweed biostimulants to be incorporated into peat free or biologically degraded growing media. Improves plant rooting and general bioactivity within the root zone. Increases media nutrient and water holding capacity.

Use: On crops grown in peat free growing media.



| CODE | DESCRIPTION | SIZE | PRICE |
|-------------|---------------|------|-------|
| FERTOCAT10L | Omex Catalyst | 10 L | |

SW7 Adjuvant

New Improved Formulation

A silicon based non-ionic wetting and spreading agent, and a source of silicon in the crop.

Use: to improve uptake of foliar nutrients on crops that are difficult to achieve good coverage, with waxy or tight layers of leaves or dense canopies.

Crops: All agricultural and horticultural crops especially fruit, vegetables, protected salad crops and potatoes.



| CODE | DESCRIPTION | SIZE | PRICE |
|------------|-------------------|------|-------|
| FERTOSW71L | Omex SW7 Adjuvant | 1 L | |

Kobra

A highly effective pesticide wetting and spreading agent for use in agricultural, horticultural and forestry crops.

Use

1. To improve foliar uptake of acaricides, fungicides, insecticides and foliar nutrients through better distribution and drying.
2. As a dry wash to reduce visible residues prior to harvest or sale.
3. As a growing media wetter/re-wetter, through drip or overhead irrigation, or as a drench.



| CODE | DESCRIPTION | SIZE | PRICE |
|---------------|-------------|-------|-------|
| FERTOKOBR5L | Omex Kobra | 5 L | |
| FERTOKOBR200L | Omex Kobra | 200 L | |



ORGANIC FERTILISERS

6x Pelleted Poultry Manure 100% NATURAL FERTILISER

Concentrated, easy to spread and odourless, our pelleted chicken fertiliser is available in two convenient sizes.

One or two handfuls per square metre for vegetables, soft fruits, flowers. A dissolved handful in one gallon of water for an excellent liquid feed. Scatter a handful on each layer of garden waste to enrich compost. Also ideal for lawn feed at one handful per square metre.

- The ideal feed for flowers, lawns, vegetables, trees and roses
- Highly concentrated - use handfuls not barrow loads
- Weed and bug-free easy to use pellets
- With trace elements to feed the soil

Analysis

| | |
|----------------------|--------------------|
| Nitrogen (N) 5.0% | Potassium (K) 2.2% |
| Phosphorous (P) 3.3% | pH 6.5 - 7.0 |

| CODE | DESCRIPTION | SIZE | PRICE |
|-----------|--------------------------------|-------|-------|
| VIT08GO6X | 6x Pelleted Poultry Manure tub | 8 Kg | |
| VIT20GO6X | 6x Pelleted Poultry Manure bag | 20 Kg | |



Vitax 6x Natural Plant Feed

100% organic fertiliser, ideal for lawns, roses, flowers, vegetables, fruit and shrubs. Conditions soil, breaks clay - easy and safe to handle.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|--------------------|------|-------|
| VIT15OFF | Natural Plant Feed | 15kg | |

Rose Food

4-3.5-7 + TE

Rose food can be used to feed established roses or other flowering plants and when planting new roses.

Pellet formulation. Helps prevent diseases.



| CODE | DESCRIPTION | SIZE | PRICE |
|---------|-------------|------|-------|
| SIN25RF | Rose Food | 25kg | |

Growmore

7-7-7

A balanced general purpose plant food which provides equal amounts of the major nutrients required for strong, healthy growth. It is suitable for most types of flowers and ideal for feeding fruit and vegetables.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------|------|-------|
| FEREGM25 | Growmore | 25kg | |

Fish Blood & Bone

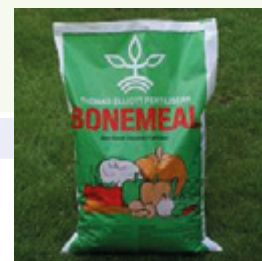
An organic-based general purpose plant food which provides the major nutrients required for strong healthy growth.



| CODE | DESCRIPTION | SIZE | PRICE |
|-----------|-------------------|------|-------|
| FEREFBB25 | Fish Blood & Bone | 25kg | |

Bonemeal

A natural organic slow-acting plant food. It is rich in phosphorus, which stimulates root growth, making it ideal for use when planting trees, shrubs and herbaceous plants.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------|------|-------|
| FEREBM25 | Bonemeal | 25kg | |

Sulphate of Iron Granular

A long lasting iron feed for trees, shrubs and flowers. Can be used on acid-loving plants.

Mini-granular formulation. Can be used as a base or top dressing.



| CODE | DESCRIPTION | SIZE | PRICE |
|---------|------------------|------|-------|
| SIN25SI | Sulphate of Iron | 25kg | |

STRAIGHT INORGANIC FERTILISERS



Glasshouse Fertilisers

For A+B Tank Systems / Two Tank Systems. Crop specific recipe's available on request.

Yara glasshouse fertilisers are free flowing, fine crystalline powders which dissolve quickly in water without any residues. They are all suited to application through all fertigation systems - hydroponics, drip systems, low throw sprinklers, centre pivots and spray units.

YaraLiva™

CALCINIT™ 15.5%N + 26.3%CaO

Soluble grade calcium nitrate

Pack size » 25kg bags

CalciNit is a fully water soluble nitrogen and calcium fertiliser.



| CODE | DESCRIPTION | SIZE | PRICE |
|-----------|-----------------|------|-------|
| FERKCN25G | Calcium Nitrate | 25kg | |

YaraTera™

KRISTA MAG 11-0-0 + 15%MgO

Soluble grade magnesium nitrate

Pack size » 25kg bags

Krista-Mag is a fully water soluble nitrogen and magnesium fertiliser.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------------|------|-------|
| FERKMN25 | Magnesium Nitrate | 25kg | |

YaraTera™

KRISTA MKP 0-52-34

Soluble grade mono potassium phosphate

Pack size » 25kg bags

Krista-MKP is a fully water soluble phosphorus and potassium fertiliser making it particularly suited to a wide range of horticultural crops.



| CODE | DESCRIPTION | SIZE | PRICE |
|-----------|--------------------------|------|-------|
| FERKMPP25 | Mono Potassium Phosphate | 25kg | |

YaraTera™

KRISTA MAP 12-61-0

Soluble grade mono ammonium phosphate

Pack size » 25kg bags

Krista-MAP is a fully water soluble nitrogen and phosphorous fertilizer. It is ideally suited for applications in hydroponics.



| CODE | DESCRIPTION | SIZE | PRICE |
|-----------|-------------------------|------|-------|
| FERKMAP25 | Mono Ammonium Phosphate | 25kg | |

YaraTera™

KRISTA K PLUS 13.7-0-46.3

Soluble grade potassium nitrate

Pack size » 25kg bags

Krista-K is a fully water soluble nitrogen and potassium fertiliser.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------------|------|-------|
| FERKPN25 | Potassium Nitrate | 25kg | |

YaraTera™

KRISTA MGS 16%MgO + 13%S

Soluble grade magnesium sulphate

Pack size » 25kg bags

Krista MgS is a fully water soluble sulphur and magnesium fertiliser.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|--------------------|------|-------|
| FERKMS25 | Magnesium Sulphate | 25kg | |

YaraTera™

KRISTA SOP 0-0-51%K + 18%S

Soluble grade potassium sulphate

Pack size » 25kg bags

- Krista-SOP is suitable for fertigation.
- Ideal where high potassium levels are required without additional nitrogen.
- Suitable for crops with a high sulphur demand.
- Very low chloride content.
- Highly soluble, dissolves very quickly.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|--------------------|------|-------|
| FERKSP25 | Potassium Sulphate | 25kg | |

YaraTera™

KRISTA MOP 0-0-46

Soluble grade potassium chloride

Pack size » 25kg bags

Krista-MOP is a fully water soluble potassium chloride fertiliser.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|--------------------|------|-------|
| FERKPC25 | Potassium Chloride | 25kg | |

STRAIGHT INORGANIC FERTILISERS

Krista™ CaCl

28% Calcium (Ca) + 50% Chloride (Cl)

Soluble grade calcium chloride

Pack size » 25kg bags

A readily soluble material in the form of white hygroscopic flakes. The product is suitable as a soluble calcium source for use in hydroponics and fertigation.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|------------------|------|-------|
| FERKCC25 | Calcium Chloride | 25kg | |

YaraLiva™

TROPICOTE 15.5%N + 19%Ca

Field grade calcium nitrate

Pack size » 600kg / 25kg bags

Brassica/salad

- Helps to suppress Club Root
- Helps prevent Internal Browning
- Helps prevent Tip Burn
- Low scorch risk when broadcast
- Improved marketability and shelf life



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-----------------------------|------|-------|
| FERYC25F | Calcium Nitrate Field Grade | 25kg | |

Dolomitic Lime

Dolomitic Lime 25 Kg

A liming agent in the form of calcium and magnesium carbonate, which provides a source of magnesium as well as raising the pH in composts and soils.

Extremely fine powdered dolomitic lime for adjusting pH of substrates.

1Kg of Dolofil per metre cube of compost will generally increase the pH by 1 point thereby reducing acidity.



| CODE | DESCRIPTION | SIZE | PRICE |
|-------------|----------------|-------|-------|
| FERKDOLM25K | Dolomitic Lime | 25 kg | |

PG Mix™

12-14-24 + 2MgO + TE

Complete fertiliser for peat based substrates

Pack size » 25kg bags

Yara PG Mixes are all-in-one powdered compound fertilisers, based on raw materials of extremely high quality, to turn ordinary peat into a high quality potting soil with even distribution of all nutrients. Easy to handle without segregation, dust or clogging.



| CODE | DESCRIPTION | SIZE | PRICE |
|---------------|-----------------|------|-------|
| FERYPGM121424 | PG Mix 12-14-24 | 25kg | |

YaraMila™ Complex

12-11-18 + 20% SOP

Pack size » 25kg bags

All in one NPK plus magnesium, sulphur and trace elements. An ideal potato fertiliser. Contains sulphur in the Sulphate of Potash form - this has been shown to increase tuber numbers and increase dry matters.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|------------------|------|-------|
| FERYMC25 | YaraMila Complex | 25kg | |

Trucal 130

Ground Limestone 25 Kg

A low cost pH adjuster for the soil.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------|-------|-------|
| FERGL25T | Trucal 130 | 25 kg | |

CROP PROTECTION CHEMICALS

FUNGICIDES

Always Read The Label - Use Chemicals Safely

| PRODUCT | MAPP NUMBER | ACTIVE INGREDIENT | CONTROL | MAXIMUM RATE | SIZE | PRICE |
|--|-------------|---|--|---|---------------------|-------|
|  Amistar® | 18039 | 250g/l (23.1% w/w) Azoxystrobin | A broad spectrum fungicide. It has systemic, translaminar and protectant properties. | 1.00 L per ha | 5 L | |
| FRUPICA SC | 12067 | Mepanipyrim | For the control of Botrytis cinerea on outdoor and protected strawberries. | 0.90 L per ha | 1 L | |
| KARMA | 16363 | 850g/kg Potassium hydrogen carbonate | A water soluble powder for the useful control of apple scab. It also has an EAMU for powdery mildew on strawberries. | 5 Kg per ha | 5 Kg | |
|  PRESTOP® | 17223 | 32% w/w <i>Gliocladium catenulatum</i> strain J1446 | A biofungicide for the moderate control of gummy stem blight (<i>Didymella</i> sp.), grey mould (<i>Botrytis</i> sp.) damping off and root diseases caused by <i>Pythium</i> , <i>Phytophthora</i> , <i>Rhizoctonia</i> and <i>Fusarium</i> spp. on all edible crops (including strawberry) and all non edible crops (protected) and outdoor strawberry. | 500 g per m ³ compost or soil (incorporated into the growing medium) | 5 Kg | |
| PROPLANT | 15422 | 722g/l Propamocarb hydrochloride | A semi-systemic carbamate fungicide with protective action against <i>Pythium</i> spp, <i>Phytophthora</i> spp and <i>Peronospora</i> parasitica on protected Brussels sprout, broccoli, calabrese and cauliflower. | 5 ml/m ² in 2-4 litres of water | 1 L | |
|  SIRENADER | 16139 | 13.96g/l <i>Bacillus subtilis</i> strain QST 713 | Reduction of fruit damage caused by grey mould (<i>Botrytis cinerea</i>). | 10.00 L per ha | 10 L | |
| SIGNUM | 11450 | 26.7% w/w Boscalid and 6.7% w/w Pyraclostrobin | A fungicide with protectant and systemic activity for use against certain diseases in broccoli, brussels sprout, cabbage, calabrese, cauliflower, strawberry (outdoor and protected), carrot, lettuce (outdoor and protected), field beans, combining peas, vining peas and blackcurrants. | 1.50 Kg per ha | 2.5 Kg | |
|  Subdue | 12503 | 465.2g/l Metalaxyl-M | A systemic phenylamide fungicide with protectant and curative activity. For control of <i>Pythium</i> spp and <i>Phytophthora</i> spp on outdoor and protected ornamental crops and flower bulbs. | 0.75-1.25 L per ha | 250 ml | |
|  SWITCH | 15129 | 37.5% w/w Cyprodinil and 25% w/w Fluxioxonil | Range of fungal diseases including some leaf spots, <i>Botrytis</i> and <i>Sclerotinia</i> . Suitable for use in wide variety of crops including beans, peas, top fruit, soft fruit and ornamentals. | 0.80 Kg per ha | 1 Kg | |
|  T34 Biocontrol® | - | <i>Trichoderma asperellum</i> strain T34 | A biofungicide for the reduction of <i>Fusarium oxysporum</i> f.sp. dianthi on carnations (<i>Dianthus</i> species). | 5.00 Kg per ha | 250g and 500g | |
| TAKUMI SC | 16000 | 100g/l cyflufenamid | A suspension concentrate formulation for the control of powdery mildew on courgette, cucumber, melon and summer squash. | 0.15 L per ha | 150 ml | |

CROP PROTECTION CHEMICALS



HERBICIDES

Always Read The Label - Use Chemicals Safely

| PRODUCT | MAPP NUMBER | ACTIVE INGREDIENT | CONTROL | MAXIMUM RATE | SIZE | PRICE |
|-------------|-------------|---|--|-------------------------------------|--------------|-------|
| GLYPHOSATE | TBC | 360g/l Glyphosate | A foliar applied translocated herbicide for the control of annual and perennial grass and broad-leaved weeds before sowing or planting all crops. For use pre-harvest in cereals, destruction of grassland, and in stubbles, orchards, green cover on land not being used for production, forestry and non-crop areas. | 5.00 L per ha | 5 L | |
| | TBC | | | | 20 L | |
| DIAMOND | 18832 | 160g/l 2,4-D / 240g/l glyphosate | It controls annual and perennial weeds in amenity grassland, amenity vegetation, grassland, green cover on non-crop producing land, hard surfaces (railway ballast only), orchards and stubbles. | 5.00 L per ha | 1L and 5L | |
| FINALSAN | 13102 | 186.7 g/l Perlargonic acid | A soluble concentrate formulation containing 186.7 g/l perlargonic acid for use as a non-selective herbicide. The Maleic hydrazide works as a plant growth regulator within the product. | 166 L per ha | 10 L | |
| FLEXIDOR | 18042 | 500g/l (12.14% w/w) Isoxaben | A residual herbicide for the control of broad-leaved weeds in winter and spring wheat, barley and oats, rye, triticale, durum wheat, top, bush, cane fruit, strawberry, grapevine and hop, ornamental plant production, forestry and amenity vegetation. | 0.5 L per ha | 500 ml | |
| BLASTER PRO | 19937 | 240 g/l Triclopyr & 60 g/l Clopyralid | A foliar acting herbicide for the control of perennial broad-leaved weeds including nettles, docks, thistles, brambles, broom and gorse in established grassland. | 1.20 L per ha | 1 L | |
| MOSSKADE | - | Plant derived starch, proteins, oils, lactic acid and water | Control of algae, moss, lichen and liverwort on nurseries, landscape and domestic situations. Works on hard surfaces, containerised nursery stock. A coating and contact agent working by physically coating. | 1 part Mosskade to 7-10 parts water | 1L, 5L & 10L | |

GROWTH REGULATORS

Always Read The Label - Use Chemicals Safely

| PRODUCT | MAPP NUMBER | ACTIVE INGREDIENT | CONTROL | MAXIMUM RATE | SIZE | PRICE |
|---|-------------|---------------------|--|-----------------------------|------|-------|
|  Bonzi Ornamental Growth Regulator | 17576 | 4 g/l Paclobutrazol | Reduces vegetative growth on pot grown ornamental plants. | 2.50 L in 100 L of water | 1 L | |
|  dazide ENHANCE WEED KILLER DEFOLIANT | 16092 | 85% w/w Daminozide | Reduces internode elongation on chrysanthemum, azalea, hydrangea, bedding plants and some other ornamentals. | 0.006 Kg in 1.00 L of water | 1 Kg | |

DISINFECTANTS

Always Read The Label - Use Chemicals Safely

| PRODUCT | MAPP NUMBER | ACTIVE INGREDIENT | CONTROL | MAXIMUM RATE | SIZE | PRICE |
|---------|-------------|-------------------|---|--------------|-----------------|-------|
| JET-5 | - | Peroxyacetic acid | A powerful disinfectant for use in all areas of horticulture and agriculture for disinfection of all surfaces including glasshouses, tools, pots, trays, benches, equipment, paths, building stores and irrigation systems. | - | 5L and 909L IBC | |

CROP PROTECTION CHEMICALS

INSECTICIDES, MITICIDES & MOLLUSCIDES

Always Read The Label - Use Chemicals Safely

| PRODUCT | MAPP NUMBER | ACTIVE INGREDIENT | CONTROL | MAXIMUM RATE | SIZE | PRICE |
|---|----------------|--|--|---|----------------|-------|
| BOTANIGARD WP | 17054 | 220 g/Kg <i>Beauveria bassiana</i> | For control of whitefly on various plants. | 0.94 Kg per ha | 500 g | |
|  | 12058 | 120 g/l (11.6% w/w) Spinosad | For the control of Western Flower Thrips in protected ornamental plant production and protected crops of cucumber, tomato, pepper and aubergine. | 0.08 L in 100 L of water | 1 L | |
|  | 16160 | 15 g/l (1.5%vw/w) Deltamethrin | A broad spectrum pyrethroid insecticide for the control of caterpillar, aphid, thrip and capsid in a wide range of crops. It also has SOLA's on protected mushroom, specific herbs, spring onion, celery, protected Chinese cabbage and other crops. | 830 ml per ha | 1 L | |
| DiPel DF | 18874 | <i>Bacillus thuringiensis</i> var <i>kurstaki</i> (32,000 IU/mg) | A biological insecticide used for the control of caterpillars (Lepidopterous larvae) in vegetables, soft fruit, ornamentals and amenity vegetation. | 1.00 Kg per ha | 500 g | |
|  | 18316 | 18 g/l (1.84% w/w) Abemectin with Cyclohexanol | For the control of two-spotted spider mite and western flower thrips in protected and outdoor flower crops and other ornamentals. | 0.05 L in 100 L of water | 250 ml and 1 L | |
| ERADICOAT MAX | 18852 | 476g/l (40% w/w) Maltodextrin | A fast acting, contact insecticide in a soluble formulation for the control of spider mite and whitefly in all edible and non-edible crops in protected situation. | 20 ml per litre of water | 10 L | |
| FLORAMITE 240 SC | 17958 | 240 g/l Bifenazate | A suspension concentrate for use as a selective acaricide on protected strawberries for control of the two-spotted spider mite. | 0.60 L per ha | 250 ml | |
| GAZELLE SG | 13725 | Acetamiprid | A broad spectrum neonicotinyl insecticide, with contact, translaminar and systemic activity for control of whitefly and aphids. Crop use on apples, pears, cherries, plums, tomatoes, peppers, aubergines and ornamentals. | 0.25 Kg per ha | 500 g | |
| NATURALIS-L | 17526 | 7.16% w/w <i>Beauveria bassiana</i> ATCC 74040 | A bioinsecticide for the control of whitefly in all edible crops (protected) and ornamental plant production (protected). The product will also provide a reduction in thrips. | 3.0 L per ha | 1 L | |
| PITCHER GR | 18126 | A granular nematicide containing a minimum of 450 g/kg of Garlic extract | A granular nematicide formulation containing a minimum of 450 g/Kg of Garlic extract for application to turf root zone at time of re-construction (re-seeding), or as a topical application when grass has established. | 240 Kg per ha once at seeding or 2 x 120 Kg per ha per year | 10 Kg | |
|  | - | Mixture of polymers, mainly silicone polymers, siloxanes and organic antioxidants. | Product with a physical mode of action to control a wide range of herbivorous insects and mites (pear psylla, aphids, scale insects, spider mites, rust mites, thrips and whiteflies). | 0.5 L per 500 L of water | 1 L | |
| PYRETHRUM SEC | 12685 18532 | 5% natural Pyrethrins | Approved for use against a wide range of pests including greenfly, whitefly, aphids, flea beetle and caterpillars. | 275-1500 L per ha | 250 ml and 1 L | |
|  | - | Carbonic acid diamide/urea | For control of a wide range of important pests including whitefly, aphid, spider mite and mealy bug. Also controls powdery mildew and is a plant stimulant. For use on edible and ornamental crops. | 0.002 L in 1.00 L of water | 1 L and 5 L | |
| SEQUOIA | 18677 | Sulfoxaflor | Professional fast acting and translaminar insecticide for control of aphids and whitefly on a named crop growing under permanent protection with full enclosure. | 0.400 L per ha | 250 ml | |
|  | 16571 | 29.7 g/Kg Ferric phosphate | Used for slug and snail control in all edible and non edible crops. Ideal for use on nurseries and production units with high human/animal activity or in amenity plantings. | 7.00 Kg per ha | 20 Kg | |
| SPRUZIT | 18434 | 4.59 g/l Pyrethrins | Contains pyrethrins and natural oil but no piperonyl butoxide. Useful for a range of pests such as caterpillars and leafhoppers especially in an IPM programme. Approved for all edible and non edible crops. | 6.00-12.00 L per ha | 10 L | |

STICKY TRAPS & ROLLS

Colour Optimised Sticky Glue Traps

The Impact range of coloured sticky boards can attract and contain a broad spectrum of soft bodied insects. Regular monitoring of the sticky traps makes early detection of infestation possible.

Impact Yellow boards should be used for monitoring aphids, whitefly and leaf miner moths.



| CODE | DESCRIPTION | SIZE | PRICE |
|------------|---------------------|-------------|-------|
| XAAZ805312 | Impact Board Yellow | 10cm x 25cm | |

Impact Blue boards should be used for monitoring western flower thrips, *Frankliniella occidentalis*.



| CODE | DESCRIPTION | SIZE | PRICE |
|------------|-------------------|-------------|-------|
| XAAZ805314 | Impact Board Blue | 10cm x 25cm | |

Sticky Rolls

Yellow or blue sticky roll (sticky on both sides) for monitoring flying insects with counting grid.

Dry traps are coated with silicone coated paper which is removed when the trap is positioned.



| CODE | DESCRIPTION | SIZE | PRICE |
|------------|----------------------|-------------|-------|
| XAAZ110910 | Bug-Scan Roll [PK 5] | 5cm x 100m | |
| XAAZ120302 | Bug-Scan Roll [PK 3] | 10cm x 125m | |
| XAAZ120303 | Bug-Scan Roll [PK 2] | 15cm x 125m | |
| XAAZ110319 | Bug-Scan Roll [PK 1] | 30cm x 100m | |
| XAAZ007068 | Bug-Scan Roll [PK 3] | 10cm x 125m | |
| XAAZ110321 | Bug-Scan Roll [PK 1] | 30cm x 100m | |

Sticky Traps

Yellow or blue sticky traps (sticky on both sides) for monitoring flying insects with counting grid.

Dry traps are coated with silicone coated paper which is removed when the trap is positioned.



| CODE | DESCRIPTION | SIZE | PRICE |
|------------|-----------------------------|-------------|-------|
| XAAZ120103 | Bug-Scan Yellow [PK 100] | 12.5 x 10cm | |
| XAAZ110292 | Bug-Scan Yellow [PK 10] | 25 x 10cm | |
| XAAZ111393 | Bug-Scan Dry Yellow [PK 20] | 25 x 10cm | |
| XAAZ111394 | Bug-Scan Dry Yellow [PK 20] | 25 x 40cm | |
| XAAZ110296 | Bug-Scan Blue [PK 10] | 25 x 10cm | |
| XAAZ110294 | Bug-Scan Blue [PK 20] | 25 x 40cm | |

Delta Trap

A multi season plastic trap for the monitoring and trapping of lepidopteran pests.

Material: Corrugated polypropylene and sticky liner.

Packing: 1 trap, 1 wire hanger and 10 sticky liners.

Target pests: Small to medium sized moths and fruit flies, depending on the lure used.

Trap Density: Subject to application and plot size. For areas less than 2500m² use 2 traps/ha. For areas greater use 1 trap per ha to 2 traps per ha (dependant on size of area being monitored).



| CODE | DESCRIPTION | PRICE |
|------------|---|-------|
| XAAZ007080 | Delta Trap | |
| XAAZ300624 | Sticky inserts for Delta Traps (10 inserts) | |
| XAAZSFL | Pheromone Lures (2 lures) for use with Delta Trap | |

Droso Trap

The BioBest DROSO TRAP[®] has been developed as a reliable and selective method of trapping *Drosophila suzukii*. Once adults are trapped inside they eventually will be drowned in the liquid attractant. DROSATTRACT[®] when combined with the Droso Trap will catch an average of 3.3 times more *Drosophila suzukii* than other attractants, such as apple cider vinegar. This enables a fast and quick detection of the pest in many sensitive crops such as berries and orchards.



| CODE | DESCRIPTION | PRICE |
|------------|-----------------|-------|
| XAAZ300209 | Droso Trap | |
| XAAZ007086 | Dros'Attract 5L | |

BIOLOGICAL CONTROL

Bumblebees [*Bombus terrestris audax*]

Distribute hives evenly in the greenhouse. In glass and plastic greenhouses use one introduction point per 1,000m². In polytunnels use two introduction points per 500m².

- Ventilation system
- Beelock opening
- Biogluc bottle, sugar water solution



| CODE | DESCRIPTION | PRICE |
|------------|--|-------|
| XAAZ006219 | Standard Hive (B.t.a.) for tomatoes Pollination: 6 to 8 weeks | |
| XAAZ006218 | Premium Hive (B.t.a.) c/w Pollen Tray Pollination: 6 to 8 weeks | |
| XAAZ006217 | Premium Hive (B.t.a.) for soft fruit Pollination: 6 to 8 weeks | |
| XAAZ120937 | Multi Hive consists of 3 colonies (B.t.a.) weatherproof Pollination: 4 to 6 weeks | |

Adalia bipunctata [Adalia-System: 100]

Adalia is a coccinellid, of which the larvae and adults are both excellent aphid predators. This ladybug eats a variety of aphid species. The mobile larvae can be used in different kinds of protected and open crops.



| CODE | ADALIA-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ301585 | 280 ml plastic box: 100 larvae Carrier: shredded paper | |

Aphidius colemani [Aphidius-System]

Parasitic wasp for control of *Myzus persicae* (green peach aphid) and *Aphis gossypii* (cotton aphid). It lays its eggs in adult aphids. An aphid parasitized by *Aphidius* swells to a brown-coloured mummy, from which a new parasite emerges after about 10 days.



| CODE | APHIDIUS-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000065 | 30 ml tube: 500 mummies Carrier: buckwheat | |
| XAAZ301649 | 250 ml tube: 2,000 mummies Carrier: buckwheat | |

Aphidius ervi [Ervi-System]

Parasitic wasp for control of *Macrosiphum euphorbiae* (potato aphid). Similar in shape to *Aphidius colemani* but is twice as large.



| CODE | ERVI-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ301651 | 100 ml tube: 500 mummies Carrier: buckwheat | |
| XAAZ301653 | 250 ml tube: 2,000 mummies Carrier: buckwheat | |

Aphidoletes aphidimyza [Aphidoletes-System]

Gall midge for aphid control.



| CODE | APHIDOLETES-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000080 | 125 ml tube: 1,000 pupae Carrier: vermiculite | |
| XAAZ003077 | 250 ml tube: 2,000 mummies Carrier: vermiculite | |
| XAAZ111889 | 1 L tube: 10,000 pupae Carrier: vermiculite | |

Chrysoperla carnea [Chrysopa-System]

A native predator that often spontaneously occurs in crops. The females lay their eggs on leaves. The larvae are extremely voracious and feed on aphids but also other insects.



| CODE | CHRYSOPIA-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ111961 | 500 ml tube: 1,000 larvae Carrier: buckwheat | |
| XAAZ110111 | 5 L bucket: 10,000 larvae Carrier: buckwheat | |

Aphidius colemani/ervi [Aphidius-Mix-System]

Parasitic wasps for control of several species of aphid.



| CODE | APHIDIUS-MIX-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000270 | 100 ml tube: 750 mummies (250 ervi / 500 colemani) Carrier: buckwheat | |

A. col./ervi/matric./Aphelinus [Aphi-Mix-System]

Parasitic wasps for control of several species of aphid.



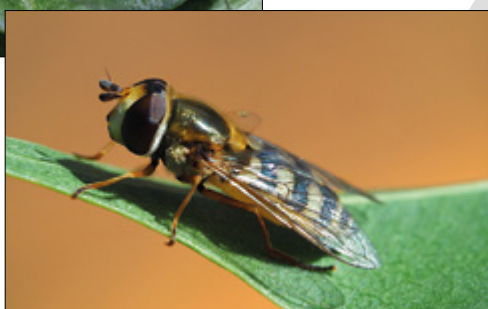
| CODE | APHIMIX-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ111966 | 100 ml tube: 750 pupae (125 ervi / 250 colemani / 250 <i>Aphidius matricariae</i> / 125 <i>Aphelinus abdominalis</i>) Carrier: buckwheat | |

BIOLOGICAL CONTROL



Eupeodes corollae [Eupeodes-System]

- Hoverfly indigenous to Europe
- Larvae are voracious predators of aphids
- Eupeodes larvae also predate on mealybug, whitefly, thrips and spidermite
- Active on temperatures above 10C
- Can contribute to pollination



| CODE | EUPEODES-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ301527 | 100 ml tube: 100 pupae Carrier: vermiculite | |

Micromus angulatus [Micromus-System]



Micromus-System are adult brown lacewings which are:

- Quick and effective: **both adults and larvae are predatory**, preying on all main aphid species
- Robust: they can withstand lower temperatures, live many times longer than any other beneficial in their range, and can survive on little prey
- Highly reproductive: female adults produce large amounts of eggs during their entire lifespan
- Team-minded: they are compatible with and complimentary to our other aphid agents, making the perfect addition to your IPM programme



| CODE | MICROMUS-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ301932 | 500 ml tube: 1,000 larvae Carrier: buckwheat | |

Aphidoletes aphidimyza [Aphidoletes-System]

Gall midge for aphid control.



| CODE | APHIDOLETES-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000080 | 125 ml tube: 1,000 pupae Carrier: vermiculite | |
| XAAZ003077 | 250 ml tube: 2,000 mummies Carrier: vermiculite | |
| XAAZ111889 | 1 L tube: 10,000 pupae Carrier: vermiculite | |

Chrysoperla carnea [Chrysopa-System]

A native predator that often spontaneously occurs in crops. The females lay their eggs on leaves. The larvae are extremely voracious and feed on aphids but also other insects.



| CODE | CHRYSOPE-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ111961 | 500 ml tube: 1,000 larvae Carrier: buckwheat | |
| XAAZ110111 | 5 L bucket: 10,000 larvae Carrier: buckwheat | |

Aphidius colemani/ervi [Aphidius-Mix-System]

Parasitic wasps for control of several species of aphid.



| CODE | APHIDIUS-MIX-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000270 | 100 ml tube: 750 mummies (250 ervi / 500 colemani) Carrier: buckwheat | |

A. col./ervi/matric./Aphelinus [Aphi-Mix-System]

Parasitic wasps for control of several species of aphid.



| CODE | APHIMIX-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ111966 | 100 ml tube: 750 pupae (125 ervi / 250 colemani / 250 Aphidius matricariae / 125 Aphelinus abdominalis) Carrier: buckwheat | |

BIOLOGICAL CONTROL

Viridaxis xProtect

[OrnaProtect / VerdaProtect / BerryProtect]

OrnaProtect is designed to protect covered ornamental/vegetable/berry crops (in tunnels or glasshouses) against aphids using parasitic wasps. The mix of different species of parasitoids used in a preventative way allows an immediate control of the aphids as soon as they appear in the crop.

Releases - every 2-3 weeks
Crop area covered per tube - 200m²



| CODE | CALIFORNICUS-SYSTEM | PRICE |
|------------|----------------------------------|-------|
| XAAZ120946 | OrnaProtect for ornamental crops | |
| XAAZ111969 | VerdaProtect for vegetable crops | |
| XAAZ111885 | BerryProtect for berry crops | |

Aphidius matricariae [Matricariae-System]

The parasitic wasp *Aphidius matricariae* can parasitize about 40 aphid species. It is mainly and excellent parasitoid of the green peach potato aphid (*Myzus persicae*) and closely related species.



| CODE | APHIDIUS-SYSTEM | PRICE |
|------------|--|---------|
| XAAZ111973 | 30 ml tube: 500 mummies Carrier: sawdust | £27.40 |
| XAAZ111976 | 250 ml tube: 5,000 mummies Carrier: sawdust | £198.23 |

Amblyseius andersoni

[Andersoni-System]

The new predatory mite *Amblyseius andersoni* offers excellent perspectives in ornamental and fruit crops, tree nurseries and protected horticulture for the control of pest mites. The predatory mites are delivered per 25,000 individuals in practical 1L cardboard tube with bran.



| CODE | ANDERSONI-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ000215 | 1 L tube: 25,000 adults Carrier: bran with factitious prey | |



Amblyseius andersoni

[Andersoni-Breeding-System]

The predatory mites can also be released in the crop by means of breeding sachets. Over a period of several weeks thousands of predatory mites will progressively emerge from the sachets via the pre-punched hole and gradually spread through the crop. Hang one sachet every 2 metres in a row of plants.



| CODE | ANDERSONI-BREEDING-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ000220 | Andersoni sachets: 250 sachets Carrier: bran and factitious prey | |

BioBox

Cardboard box for introducing beneficial insects in crops.

Supplied per 50 boxes in a plastic bag.



| CODE | DESCRIPTION | PRICE |
|------------|-------------|--------|
| XAAZ004004 | BioBox - 50 | £11.38 |

BIOLOGICAL CONTROL



Amblyseius californicus [Californicus-System]

Predatory mite for red spider mite control and is a valuable aid to *Phytoseiulus*. It is more tolerant of high temperatures and low humidity.



| CODE | CALIFORNICUS-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ111884 | 250 ml tube: 5,000 mites Carrier: vermiculite | |
| XAAZ005299 | 1 L tube: 25,000 mites Carrier: vermiculite | |
| XAAZ300608 | 100 breeding sachets Carrier: bran and factitious prey | |
| XAAZ111986 | 500 breeding sachets Carrier: bran and factitious prey | |

Phytoseiulus persimilis [Phytoseiulus-System]

Predatory mite for red spider mite control. An adult mite can eat five adult spider mites or 20 eggs or nymphs per day.



| CODE | PHYTOSEIULUS-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ301300 | 30 ml tube: 2,000 mites Carrier: vermiculite | |
| XAAZ301301 | 100 ml tube: 2,000 mites Carrier: vermiculite | |
| XAAZ301302 | 500 ml tube: 10,000 mites Carrier: vermiculite | |
| XAAZ301370 | 1 L tube: 20,000 mites Carrier: vermiculite | |

Feltiella acarisuga [Feltiella-LV-System]

Feltiella is a gall midge species in which females deposit their eggs in spider mite hot spots. After approximately two days, orange yellow larvae emerge from the eggs and start devouring spider mites. Best used in combination with *Phytoseiulus*-System.



| CODE | FELTIELLA-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ000261 | 280ml introduction system: 250 pupae supplied on paper Carrier: wood shavings | |

Macrolophus pygmaeus [Macrolophus-System]

The predatory bug *Macrolophus* is particularly effective as a whitefly predator. It has a preference for whitefly eggs and larvae. This light-green bug actively looks for prey. It also feeds on other insect pests such as aphids, red spider mites and moth eggs.

Macrolophus is mainly used in tomato crops and combats both greenhouse whitefly and tobacco whitefly.

| CODE | MACROLOPHUS-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000212 | 250 ml tube: 500 bugs Carrier: vermiculite | |
| XAAZ000219 | 250 ml tube: 500 nymphs Carrier: vermiculite | |
| XAAZ300851 | Nutrimac with semolina 50g (food for predatory bugs) | |



Delphastus pusillus [Delphastus-System]

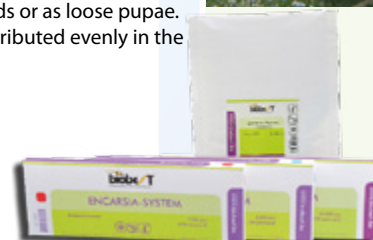
Big infestations of whiteflies are difficult to control with parasitic wasps only. In certain crops the grower can count on the beetle *Delphastus pusillus*, which wipes out whitefly hot spots efficiently.



| CODE | DELPHASTUS-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000105 | 30 ml tube: 100 beetles Carrier: filter paper | |

Encarsia formosa [Encarsia-System]

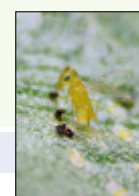
Encarsia lays its eggs inside whitefly larvae. Parasitized whitefly pupae turn black, which makes it easy to check parasitic wasp's activity. Instead of whiteflies, new parasitic wasps emerge from the black pupae. *Encarsia* also feeds on young whitefly larvae (host feeding). BioBest Encarsia-System is supplied as parasitized whitefly pupae on cardboard cards or as loose pupae. Both must be distributed evenly in the greenhouse.



| CODE | ENCARSIA-SYSTEM | PRICE |
|------------|---------------------------------------|-------|
| XAAZ000122 | 100 pupae/card; 50 cards: 5,000 pcs | |
| XAAZ000121 | 100 pupae/card; 100 cards: 10,000 pcs | |

Eretmocerus eremicus [Eretmocerus-System]

Like *Encarsia*, *Eretmocerus* is a small wasp that parasitizes whitefly larvae. *Eretmocerus* is a valuable tool for the control of whitefly, because it has specific advantages over *Encarsia*, it is more tolerant of higher temperatures and pesticide residues.



| CODE | ERETMOCERUS-SYSTEM | PRICE |
|------------|-------------------------------------|-------|
| XAAZ000171 | 100 pupae/card; 50 cards: 5,000 pcs | |

Encarsia formosa/*Eretmocerus eremicus* [Eret-Mix]

50% *Encarsia formosa* and 50% *Eretmocerus eremicus*; parasitic wasps for whitefly control.

| CODE | ERETMIX-SYSTEM | PRICE |
|------------|---------------------------------------|-------|
| XAAZ000119 | 100 pupae/card; 50 cards: 5,000 pcs | |
| XAAZ111695 | 50 pupae/card; 100 cards: 5,000 pcs | |
| XAAZ000120 | 100 pupae/card; 100 cards: 10,000 pcs | |



BIOLOGICAL CONTROL

Amblyseius cucumeris [Amblyseius/ABS-System]

Thrips can be effectively countered with the predatory mite *Amblyseius cucumeris*. This thrips predator actively looks for thrips larvae in the crop, pierces them and consumes their inner parts. BioBest's ABS-System is the ideal method to introduce *A. cucumeris* into a crop. From the breeding packs, the predators continuously spread throughout the crop. Proper placement of breeding packs allows *Amblyseius cucumeris* to suppress the thrips population below and economic damage threshold. *A. cucumeris* is also available in convenient shaker bottles.



| CODE | ABS-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000007 | ABS-sachets: 250 sachets Carrier: bran with factitious prey | |

| CODE | AMBYLSEIUS-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000016 | 1 L tube: 25,000 mites Carrier: bran with factitious prey | |

| | | |
|------------|---|--|
| XAAZ002995 | 5 L bucket: 250,000 mites Carrier: bran with factitious prey | |
|------------|---|--|

| | | |
|------------|---|--|
| XAAZ120952 | 5 L bucket: 500,000 mites Carrier: bran with factitious prey | |
|------------|---|--|

| CODE | AMBYLSEIUS-VERMICULITE-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ000014 | 1 L tube: 25,000 mites Carrier: mixture of vermiculite (min. 80%) and bran with factitious prey | |
| XAAZ003074 | 5 L tube: 125,000 mites Carrier: mixture of vermiculite (min. 80%) and bran with factitious prey | |

Atheta coriaria [Atheta-System]

Rove beetle for sciarid and scatella control.



| CODE | ATHETA-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ000099 | 1 L tube: 500 beetles Carrier: mixed peat | |

Amblyseius swirskii [Swirskii-Breeding-System]

The mite *Amblyseius swirskii* is an effective natural enemy of pests such as whitefly, thrips or spider mite. *A. swirskii* can be applied during the whole year and it adapts easily to high temperatures. Its ability to feed on pollen provides it with the opportunity for preventative action.



| CODE | SWIRSKII-BREEDING-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ005202 | Swirskii sachets: 100 sachets Carrier: bran and factitious prey | |
| XAAZ111998 | Swirskii sachets: 500 sachets Carrier: bran and factitious prey | |

Amblyseius swirskii [Swirskii-Sprinkler-System]

Predatory mite for control of thrips, whitefly or spider mite.



| CODE | SWIRSKII-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ005204 | 500 ml tube: 25,000 mites Carrier: bran with factitious prey | |
| XAAZ300212 | 5 L bucket: 125,000 mites Carrier: bran with factitious prey | |

Stratiolaelaps scimitus [Hypoaspis-System]

This predatory mite inhabits the top layer of the soil and feeds on the harmful sciarid fly larvae. Furthermore, *Hypoaspis* is also effective in controlling springtails, thrip pupae, millipedes, root aphids as well as other damaging soil organisms. It can be introduced in combination with insect parasitic nematodes without any problems.



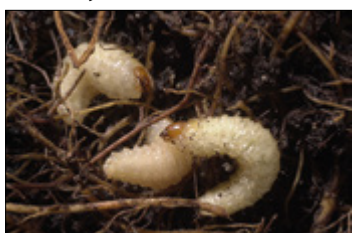
| CODE | HYPOASPIS-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ000195 | 1 L tube: 10,000 mites Carrier: vermiculite, peat and factitious prey | |
| XAAZ000196 | 1 L tube: 25,000 mites Carrier: vermiculite, peat and factitious prey | |
| XAAZ000197 | 5 L bucket: 125,000 mites Carrier: vermiculite, peat and factitious prey | |

BIOLOGICAL CONTROL



Steinernema kraussei [Kraussei-System]

Kraussei-System provides a rapid, biological cure for vine weevil larvae in containerized and outdoor crops. It is based on a unique strain of the insect parasitic nematode *Steinernema kraussei*, which is tolerant to low temperatures. The nematodes spread rapidly in the substrate and destroy the vine weevil larvae.



| CODE | KRAUSSEI-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ001020 | 50 million nematodes in gel formulation | |
| XAAZ001022 | 250 million nematodes in gel formulation | |

Heterorhabditis bacteriophora [B-Green-System]

B-Green guarantees a fast biological control of beetle larvae (garden chafer and *Hoplia*). The product is based on a selected strain of the insect parasitic nematode *Heterorhabditis bacteriophora*, which actively searches and destroys white grubs in the soil. The nematodes do not infect larvae of the cock and summer chafer. B-Green can also be used to control black vine weevils, turning their larvae a reddish brown when infected.



| CODE | CARPOCAPSAE-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ004033 | 50 million nematodes in powder formulation | |
| XAAZ004032 | 500 million nematodes in powder formulation | |

Diglyphus isaea [Diglyphus-System]

Parasitic wasp for leafminer control.



| CODE | DIGLYPHUS-SYSTEM | PRICE |
|------------|-------------------------------------|-------|
| XAAZ000115 | 250 adults Carrier: filter paper | |

Cryptolaemus montrouzieri [Cryptolaemus-System]

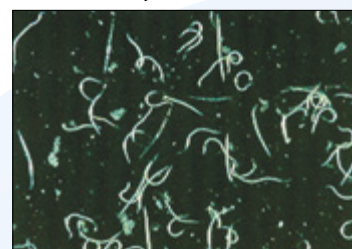
Cryptolaemus is a predatory ladybug beetle. Adults and larvae are voracious predators of every stage of mealybug.



| CODE | CRYPTOLAEMUS-L-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ301136 | 250 ml bottle: 250 adults Carrier: filter paper & shredded paper | |

Steinernema feltiae [Steinernema-System]

These nematodes actively seek out fungus gnats larvae. They enter each larva through natural body openings and once inside, they bore through the intestinal wall of the larva. Bacteria living in symbiosis with the nematode are released and will eventually cause the death of the larva. The nematodes reproduce inside the larva and as it decomposes, a new generation of nematodes moves off in search of further prey.



| CODE | STEINERNEMA-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ004051 | 50 million nematodes in gel formulation | |
| XAAZ004049 | 250 million nematodes in gel formulation | |

Steinernema carpocapsae [Carpocapsae-System]

This nematode searches for pests found in the root zone of a plant. Once found, the nematodes penetrate the organisms through natural openings or directly through the skin. Bacteria that live in symbiosis with the nematodes are released. Carpopcapsae-System is the biological solution for the control of harmful moths, Duponchelia, crane flies and several beetle larvae.



| CODE | STEINERNEMA-SYSTEM | PRICE |
|------------|--|-------|
| XAAZ001024 | 50 million nematodes in gel formulation | |
| XAAZ001026 | 250 million nematodes in gel formulation | |

Phasmarhabditis hermaphrodita [Phasmarhabditis-System]

Phasmarhabditis is a nematode specifically used against slugs. After entering the body of the slug through natural openings, the nematodes release toxic bacteria. The nematodes multiply inside the slug and when it starts to decompose, a new generation of nematodes spreads and starts looking for new prey.



| CODE | PHASMARHABDITIS-SYSTEM | PRICE |
|------------|---|-------|
| XAAZ004040 | 12 million nematodes in gel formulation | |
| XAAZ004041 | 30 million nematodes in gel formulation | |

Signal Clips

Clips for indicating hot spots of most common pests in the greenhouse.



| CODE | DESCRIPTION | PRICE |
|------------|---------------------------------|-------|
| XAAZ104550 | Signal-clips blue: pack of 50 | |
| XAAZ104555 | Signal-clips yellow: pack of 50 | |
| XAAZ104560 | Signal-clips green: pack of 50 | |
| XAAZ104565 | Signal-clips orange: pack of 50 | |
| XAAZ104570 | Signal-clips red: pack of 50 | |
| XAAZ104575 | Signal-clips violet: pack of 50 | |

HAZARD WARNING SIGNS

100's of other signs available, including Self Adhesive or design your own...

Caution Spraying in Progress

- » 3mm Rigid Plastic
- » Size: 120 x 360mm



| CODE | DESCRIPTION | PRICE |
|---------|------------------------------------|-------|
| HAZAW08 | AW.08 Caution Spraying in Progress | |
| HAZBW17 | BW.17 Hazardous Substances | |

Hazardous Substances

- » 3mm Rigid Plastic
- » Size: 240 x 360mm



Masks Must Be Worn

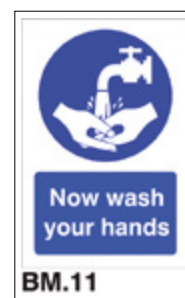
- » 3mm Rigid Plastic
- » Size: 240 x 360mm



| CODE | DESCRIPTION | PRICE |
|---------|---------------------------|-------|
| HAZBM02 | BM.02 Masks Must Be Worn | |
| HAZBM11 | BM.11 Now Wash Your Hands | |

Now Wash Your Hands

- » 3mm Rigid Plastic
- » Size: 240 x 360mm



Chemical Store Keep Out

- » 3mm Rigid Plastic
- » Size: 240 x 360mm



This Area Has Been Sprayed

- » 3mm Rigid Plastic
- » Size: 360 x 480mm



| CODE | DESCRIPTION | PRICE |
|---------|----------------------------------|-------|
| HAZBW18 | BW.18 Chemical Store | |
| HAZCW05 | CW.05 This Area Has Been Sprayed | |

Danger Fork Lift Trucks

- » 3mm Rigid Plastic
- » Size: 360 x 480mm



| CODE | DESCRIPTION | PRICE |
|---------|------------------------|-------|
| HAZCW12 | CW.12 Fork Lift Trucks | |

Private Keep Out

- » 3mm Rigid Plastic
- » Size: 120 x 240mm



No Smoking

- » 3mm Rigid Plastic
- » Size: 120 x 240mm



5MPH Speed Limit

- » 3mm Rigid Plastic
- » Size: 240 x 360mm



First Aid

- » 3mm Rigid Plastic
- » Size: 240 x 360mm



| CODE | DESCRIPTION | PRICE |
|---------|------------------------|-------|
| HAZBP13 | BP.13 5MPH Speed Limit | |
| HAZBF05 | BF.05 First Aid | |
| HAZAG02 | AG.02 Private Keep Out | |
| HAZAP01 | AP.01 No Smoking | |

Caution Children Playing

- » 3mm Rigid Plastic
- » Size: 360 x 480mm



Caution Mud On Road

- » 3mm Rigid Plastic
- » Size: 360 x 480mm



| CODE | DESCRIPTION | PRICE |
|---------|--------------------------------|-------|
| HAZCC01 | CC.01 Caution Children Playing | |
| HAZCC06 | CC.06 Caution Mud On Road | |

Caution Deep Water

- » 3mm Rigid Plastic
- » Size: 360 x 480mm



Private Keep Out

- » 3mm Rigid Plastic
- » Size: 360 x 480mm



| CODE | DESCRIPTION | PRICE |
|---------|--------------------------|-------|
| HAZCC17 | CC.17 Caution Deep Water | |
| HAZCC20 | CC.20 Private Keep Out | |

SOLO MANUAL SPRAYERS

Solo Universal Sprayers 461 / 462

The optimum commercial choice at 5 and 7.5 litre capacity and 3 bar pressure. The large piston pump, the wide filling funnel where the spray tube can be clipped into place, the generously sized cleaning aperture and the two spray nozzles supplied as standard are just a few of the attributes of these attractive pressure sprayers.

All models are delivered as standard with two spray nozzles for different applications.

Max, spray pressure: 3 bar
Spray tube length: 50 cm



| CODE | MODEL | CAPACITY | PRICE |
|--------|--------------------|----------|-------|
| SOL461 | Solo Universal 461 | 5 L | |
| SOL462 | Solo Universal 462 | 7.5 L | |

Solo Backpack Sprayer 10L 473 D

Professional backpack sprayers, with diaphragm pump and 10 litre capacity. Equipped with a manually adjustable pressure regulator, a durable 50 cm long lance and a practical, robust valve handle.

The UV-resistant plastic container is ergonomically designed for maximum wearer comfort, and the robust metal pump handle can be stored vertically.

Max, spray pressure: 4 bar
Spray tube length: 50 cm



| CODE | MODEL | PRICE |
|---------|----------------------------------|-------|
| SOL473D | Solo 10L Knapsack Diaphragm Pump | |

Solo Backpack Sprayers 425 / 475 / 435

Professional backpack sprayers, with a capacity of 15 litre / 20 litre respectively. Both models are equipped with pressure control, a durable 50 cm long lance and a practical, robust valve handle.

The UV-resistant plastic container is ergonomically designed for maximum wearer comfort, and the robust metal pump handle can be stored vertically.

PISTON PUMP MODELS 425 / 435

Max, spray pressure.: 6 bar
Spray tube length: 50 cm

DIAPHRAGM PUMP MODELS 475

Max, spray pressure.: 4 bar
Spray tube length: 50 cm

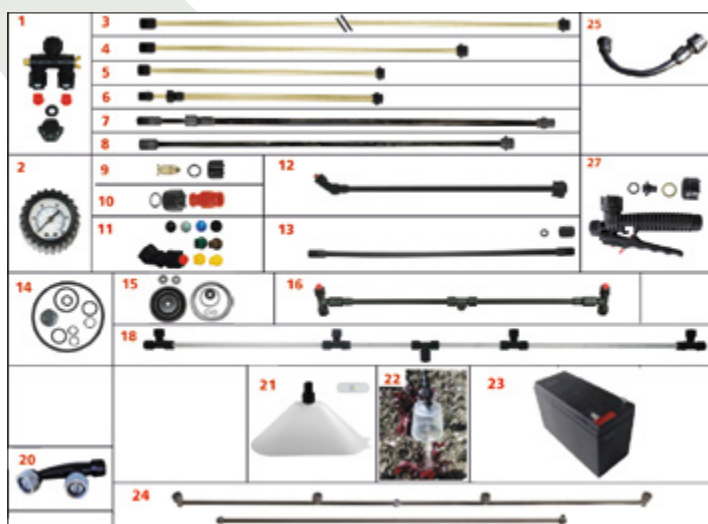


| CODE | MODEL | PRICE |
|--------|----------------------------------|-------|
| SOL425 | Solo 15L Knapsack Piston Pump | |
| SOL435 | Solo 20L Knapsack Piston Pump | |
| SOL475 | Solo 15L Knapsack Diaphragm Pump | |



Solo Sprayer Accessories

| CODE | No. | DESCRIPTION | PRICE |
|-------------|-----|--|-------|
| SOL49004771 | 1 | Dual Nozzle with Nozzle Set | |
| SOL49003561 | 2 | Pressure Control Gauge 10 bar max | |
| SOL4900528 | 3 | Tree Spraying Tube Brass 150cm | |
| SOL4900428 | 4 | Spray Tube Brass 75cm | |
| SOL4900519 | 5 | Spray Tube Brass 50cm | |
| SOL4900478 | 6 | Telescopic Spray Tube Brass 57-100cm | |
| SOL4900457 | 7 | Telescopic Spray Lance Carbon 60-120cm | |
| SOL4900445 | 7 | Telescopic Spray Lance Carbon 120-230cm | |
| SOL4900449 | 8 | Tree Spray Lance Carbon 120cm | |
| SOL49002061 | 9 | Adjustable High Pressure Nozzle Brass | |
| SOL49005251 | 10 | Adjustable High Pressure Nozzle Plastic | |
| SOL49005741 | 11 | Complete Nozzle Set (9 nozzles) | |
| SOL4900439 | 12 | Spray Tube 50cm | |
| SOL4900513 | 13 | Extension Lance 50cm | |
| SOL49004421 | 14 | Set of Seals [425/435] | |
| SOL49004431 | 15 | Set of Seals [475/473D] | |
| SOL4900514 | 16 | Spray Boom 60cm - 2 Nozzles | |
| SOL4900299 | 18 | Alu. Spray Boom 120cm - 4 Nozzles | |
| SOL49001821 | 20 | Double Nozzle Y-Shape | |
| SOL4900430 | 21 | Drift Guard Oval with Flat Spray Nozzle | |
| SOL4900580 | 22 | Drift Guard Round with Full Cone Nozzle | |
| SOL49003001 | 24 | SS 4 Nozzle Spray Boom 100cm c/w 75cm Spray Tube | |
| SOL4900450 | 25 | Spray Tube Extension 15cm, Flexible | |
| SOL49004401 | 27 | Complete Shut Off Valve | |



SOLO POWER SPRAYERS

solo



Solo Battery-operated Sprayers 416 / 417

- Impressive spraying performance with 12 V pump
- The ideal pressure sprayer with up to 2.8 bar for use in greenhouses and enclosed spaces - including outdoors naturally
- Maintenance-free 12 V rechargeable battery 5 Ah, fully charged in approx. 3 hours
- Ergonomically shaped 20 Litre container with comfortable padded back-pack section
- Durable 500 mm lance
- 1500 mm long hose for tension-free arm movement
- Robust manual valve silicon-dampened pressure gauge
- Two-stage selection of application volume via rocker switch stage 1 = 1.4 bar, stage 2 = 2.8 bar
- New flat-jet nozzle to ISO standard
- Plug-in retainer for lance
- UV-stabilised plastic container with level markings
- Large filling and cleaning aperture
- Resistant seals for all plant protection agents
- Wide padded comfortable straps with strain relief and stabilising waist belt
- Robust container frame

Specifications: 416

Electric motor: 12 V / 5.2 Ah

Container: 20 Litres

Spray Pressure: adjustable 1.4 / 2.8 bar

Specifications: 417

Electric motor: 12 V

Container: 18 Litres

Spray Pressure: adjustable 2.5 / 4.3 bar



| CODE | No. | MODEL | PRICE |
|------------|-----|------------------------------------|-------|
| SOL416 | - | Solo 20L Battery-operated Knapsack | |
| SOL417 | - | Solo 18L Battery-operated Knapsack | |
| SOL0084110 | 23 | 12V Rechargeable Battery | |

Solo High Pressure Power Sprayers 433H

The SOLO 433 high pressure sprayer features a Honda GX25 4-stroke engine with plenty of power. The adjustable operating pressure of the push-pull piston pump reaches up to 30 bar, enabling this unit to deliver the finest spray - even high up - at a flow rate of up to 2.4 L/min.

Equipped with a 50cm stainless steel spray wand and a pressure gauge on the sturdy handle, which allows the pressure to be adjusted for any application.

Supplied with a high quality twin nozzle, with stainless steel nozzle discs.

Specifications: 433H

Dry weight: 9.8 kg

Sound pressure level: 82 dB(A)



| CODE | MODEL | PRICE |
|---------|--|-------|
| SOL433H | Solo 20L High Pressure (Petrol) Knapsack | |

Solo Portable Granular Spreader 421

The SOLO granulate spreader is designed to be used all year round.

- Seeds, fertiliser, e.g. after scarifying
- Gritting salt
- Oil absorbers
- Cleaning agents
- Pelletised lime
- Bird seed
- Stock feed
- Sand

A manual crank drives the steadily rotating spreader disc to guarantee precise distribution of the granulate onto the area to be treated.

The integral agitator ensures that the material in the tank is mixed thoroughly. Up to 9 kg of granulated material can be applied where specifically required, even on difficult terrain. The direction in which the material is spread can be adjusted just as easily as the delivery rate.

The spreader is carried in front of the body by means of an adjustable strap. The large filling aperture makes filling easy, whilst the large screw cap protects users from harmful dust.



| CODE | MODEL | PRICE |
|--------|---------------------------|-------|
| SOL421 | Solo 9L Portable Spreader | |

BARROW SPRAYERS & ACCESSORIES

Barrow Sprayer 50L

2-WHEEL BARROW SPRAYER 50L POLYETHYLENE TANK

complete with external suction filter, hose reel and 50m ½" high pressure hose with lever lance 60cm.

BATTERY VERSION













4 hours autonomy, charge time 9 hours.

MACHINE SIZE: 60x120x62 cm



| CODE | DESCRIPTION | HP | LPM | BAR | PRICE |
|-----------|-------------------------------|------|------|------|-------|
| LSTS050B | AM-12 V PRO | 0.25 | 6.0 | 5-10 | |
| LSTS050E | AR252-1ph 230V | 1.5 | 25.0 | 25.0 | |
| LSTS050P4 | Four-stroke AR252-Honda GP160 | 4.8 | 25.0 | 30.0 | |

Sprayer Accessories, Lances & Booms

| CODE | DESCRIPTION | PRICE |
|---------------|---|-------|
| LSTSARKIT1927 | AR19/202/252 Pump Diaphragm Kit | |
| LSTSARKIT2408 | AR202/252 Pump Valve Kit | |
| LSTSARKIT2410 | AR202/252 Pump Maintenance Kit | |
| LSTSM2000007 |  7L Hand Wash Tank (can be fitted to all barrow/trailed sprayers on this page) | |
| BK818000058 |  Ceccato Spray Pistol ½"(M) | |
| BK818805163 |  Lightweight Spray Gun ½"(M) with quick action trigger and rotary knob 30cm | |
| BK818805130 |  As above but 90cm | |
| LSTSM2000802 |  Lever Lance 60cm | |
| LSTSM2000902 |  Lever Lance 100cm | |
| PUD8282012 |  High Volume Wash Lance with Adj. Spray Pattern 1/2"(M) | |
| PUD26901165 |  Turbo Spray Gun (one-hand) Swivel Inlet: ½"(M) | |
| LSTSM2000602 |  Cone Nozzles with holes from 0.8 to 4.0mm dia. | |
| LSTSM2000702 |  Fan Nozzles with holes from 1.00 to 2.00mm dia. | |
| BS451725 |  Brass Hose Tail ½"(Fm) x ¾" hose | |
| SC050050F |  Metal Swivel Coupling ½"(Fm) x ½" hose | |

Barrow Sprayer 120L

2-WHEEL BARROW SPRAYER 120L POLYETHYLENE TANK

complete with external suction filter, hose reel and 50m ½" high pressure hose with lever lance 60cm.

MACHINE SIZE: 160x65x70 cm



| CODE | DESCRIPTION | HP | LPM | BAR | PRICE |
|-----------|-------------------------------|-----|------|------|-------|
| LSTS120E | AR252-1ph 230V | 1.5 | 25.0 | 25.0 | |
| LSTS120P4 | Four-stroke AR252-Honda GP160 | 4.8 | 25.0 | 30.0 | |

Trailed Sprayer 200L

4-WHEEL TRAILED SPRAYER 200L POLYETHYLENE TANK POWDER COATED TUBULAR STEEL FRAME 4 PNEUMATIC TYRES WITH BEARINGS

complete with external suction filter, hose reel with 50m hose and lever lance 60cm. It comes with a tow bar for manual towing or towing by small tractors and lawnmowers.

MACHINE SIZE: 180x90x150 cm



| CODE | DESCRIPTION | HP | LPM | BAR | PRICE |
|-----------|-------------------------------|-----|------|------|-------|
| LSTS200E | AR252-1ph 230V | 1.5 | 25.0 | 25.0 | |
| LSTS200P4 | Four-stroke AR252-Honda GP160 | 4.8 | 25.0 | 30.0 | |

Trailed Sprayer 400L

4-WHEEL TRAILED SPRAYER 400L POLYETHYLENE TANK POWDER COATED TUBULAR STEEL FRAME 4 PNEUMATIC TYRES WITH BEARINGS

complete with external suction filter, hose reel with 50m hose and lever lance 60cm. It comes with a tow bar for manual towing or towing by small tractors and lawnmowers.

MACHINE SIZE: 175x79x120 cm



| CODE | DESCRIPTION | HP | LPM | BAR | PRICE |
|-----------|-------------------------------|-----|------|------|-------|
| LSTS400E | AR252-1ph 230V | 1.5 | 25.0 | 25.0 | |
| LSTS400P4 | Four-stroke AR252-Honda GP160 | 4.8 | 25.0 | 30.0 | |

CHEMICAL STORAGE SAFES

SafeStor™

The medium-duty hazardous substance cabinet that complies with all COSHH regulations

The **SafeStor™** is purpose-built for the indoor safe storage of flammables and chemicals, including paint and other hazardous substances. Fully compliant with all legislation relating to the Control of Substances Hazardous to Health (COSHH), this robust range of cabinets features a liquid-tight sump to contain spillages, as well as galvanised shelves for maximum durability.

Features and specifications

- Medium-duty hazardous storage cupboard
- Reinforced doors with flush fitting handles and two-point locking
- Liquid-tight sump to contain spillages
- Designed for storing flammables or chemicals, as defined by COSHH guidelines
- Spill retaining galvanised shelves
- Powder coated paint finish - fitted with hazardous warning signs
- Built to specification for 30 minute fire resistance


HFC1

HFC2

HFC3

HFC4

HMC1

HFC7

HFC5
HFC6

| CODE | DESCRIPTION | WEIGHT | EXTERNAL SIZE | INTERNAL SIZE | SUMP CAP. | PRICE | STAND |
|-----------|-------------------------------|---------|----------------------|----------------------|-----------|-------|-------|
| ZCHEMHFC1 | SafeStor HFC1 c/w 1 Shelf | 20.5 kg | 900 x 465 x 700 mm | 890 x 395 x 640 mm | 30 L | | |
| ZCHEMHFC2 | SafeStor HFC2 c/w 1 Shelf | 12.5 kg | 350 x 315 x 700 mm | 335 x 245 x 640 mm | 7 L | | |
| ZCHEMHFC3 | SafeStor HFC3 c/w 1 Shelf | 25 kg | 900 x 465 x 900 mm | 890 x 395 x 840 mm | 30 L | | |
| ZCHEMHFC4 | SafeStor HFC4 c/w 1 Shelf | 31 kg | 450 x 465 x 905 mm | 440 x 395 x 840 mm | 17 L | | |
| ZCHEMHFC5 | SafeStor HFC5 c/w 2 Shelves | 41 kg | 900 x 465 x 1200 mm | 890 x 395 x 1140 mm | 30 L | | |
| ZCHEMHFC6 | SafeStor HFC6 c/w 3 Shelves | 65 kg | 1200 x 465 x 1800 mm | 1190 x 395 x 1740 mm | 45 L | | |
| ZCHEMHFC7 | SafeStor HFC7 c/w 3 Shelves | 55 kg | 900 x 465 x 1800 mm | 890 x 395 x 1740 mm | 35 L | | |
| ZCHEMHMC1 | SafeStor Mobile Cupboard HMC1 | 25.5 kg | 900 x 465 x 810 mm | 890 x 395 x 640 mm | 30 L | | |
| ZCHEMHMC2 | SafeStor Mobile Cupboard HMC2 | 33 kg | 900 x 465 x 1010 mm | 890 x 395 x 840 mm | 30 L | | |

RESPIRATORY PROTECTION

Force™ 10 Full Face Half Mask (Medium)

The new Force™ 10 Typhoon™ is an extremely lightweight, easy to maintain full face mask with panoramic visor.

- Compatible with PressToCheck Filters (Not included)
- Typhoon exhalation valve for reduced breathing resistance (Patent pending)
- Engineered for easy maintenance
- Class 1 optical impact visor conforming to EN166.B
- One of the lightest full face masks on the market



PressToCheck™



| CODE | DESCRIPTION | PRICE |
|-------------------|--|-------|
| JSPFOR10M | Force™ 10 Full Face Half Mask (Medium) | |
| JSPFOR8ABEK1P3 | Force8™ ABEK1P3 Classic Filters (pair) | |
| JSPFOR8P2CABEK1P3 | Force8™ ABEK1P3 PressToCheck (pair) | |

Force8™ Half-Mask (Medium)

The Force8™ twin cartridge half mask with Typhoon™ valve offers superior low breathing resistance and a 4-point suspension harness with quick release buckles. The mask is made with a durable thermoplastic rubber offering a superior fit to most face shapes. The mask accepts the full range of low profile Force8™ filters giving it the flexibility to be used for many applications, providing filtering protection against particulates, many gases and vapours.

- Passes dolomite
- Protection against construction dust
- Improved hygiene
- Inhalation valve for easy maintenance
- Low profile covers protect filters
- Conforms to EN143



Classic™

| CODE | DESCRIPTION | PRICE |
|-------------------|--|-------|
| JSPFOR8M | Force8™ Half-Mask (Med.) without canisters | |
| JSPFOR8ABEK1P3 | Force8™ ABEK1P3 Classic Filters (pair) | |
| JSPFOR8P2CABEK1P3 | Force8™ ABEK1P3 PressToCheck (pair) | |

Jetstream® Powered Air Respirator

The Jetstream® Switch & Go Gas/Vapour GV-X Version (with Nylon Hood).

Jetstream® Switch & Go pack GV-X contains:

- A2PSL Filter
- Hose
- Charger
- Carry Case
- Battery
- White Nylon Headtop
- Flow Meter & UK Plug



Filter Performance: Offers an assigned protection factor (APF) of 20 x Workplace Exposure Limit (WEL) for organic vapours and gases and for very fine dusts, fibres, fumes and aqueous mists.

- *A stream of cooling filtered clean air*
- *High capacity pleated filter cartridges*
- *Comfortable for wearing over long periods*



| CODE | DESCRIPTION | PRICE |
|------------|---------------------------------------|-------|
| JSPJSGVX | Jetstream Gas/Vapour GV-X Switch & Go | |
| JSPJSA2PSL | A2PSL Replacement Filter | |

KN95 Face Mask with Elastic Ear Loop

Suitable for nuisance levels of non-toxic dust below the WEL only. This mask is ideal for applications where items in production need protecting from the wearer's breath, i.e. printed circuit board protection. Does not offer respiratory protection.



Pack of 10 masks.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------------------|-------|
| SFYKN95E | Nuisance Masks - Pack of 10 | |

Breathing Mask FFP2 V - Box of 10

It is used to protect the user against oil and water based mist, solid particles and non-volatile liquid particles.

Conforms to EN149:2001+A1:2009 Standard that is about the filtered face mask against dust.



| CODE | DESCRIPTION | PRICE |
|-------|--|-------|
| SFY25 | Breathing Mask FFP2 Valved (Box of 10) | |

WORKWEAR

Biztex Microporous Coverall

Whether it's for painting or maintenance work, for finishing processes or anywhere there is a slight risk of liquid splashes, Tyvek Classic Plus coveralls offer the high protection thanks to their taped seams and their high barrier against particles superior to 1 micron.

Chemical Protective Clothing -
Category III, Type 4/5/6

- Tyvek zip fastening and self adhesive zip flap for increased protection
- Self adhesive elasticated waistband provides a good fit
- Shape of hood especially designed for wearing a full face respirator
- Stitched and overtaped seams
- Stretch rubber thumbloop attached at the end of the sleeves - use of thumb loops only recommended when double gloves are worn.



| CODE | DESCRIPTION | SIZE | PRICE |
|-------|-----------------------------|------|-------|
| SFY18 | Biztex Microporous Coverall | M-XL | |

Loose Sleeves

PROPERTIES:

- PVC/polyester 320g
- One size
- Olive Green



| CODE | DESCRIPTION | SIZE | PRICE |
|------------|------------------------------|----------|-------|
| CLOE030300 | Loose Sleeves Olive Green | One Size | |

ELKA PU Apron W/Loops for Braces

PU Polyamide DWR 240g Elka heavy duty super fabric. Chemical resistant.
EN 343, EN 14605, EN 14126

Width: 88 cm
Length: 120 cm

Colour: Olive Green
Braces sold separately



| CODE | DESCRIPTION | PRICE |
|------------|------------------|-------|
| CLOE075800 | ELKA PU Apron | |
| CLOE3320 | Braces for Apron | |

Working Xtreme

BY ELKA

The Working Xtreme range is professional workwear that meets every need for waterproof clothing. The 100% wind- and waterproof fabric, combined with maximum breathability, ensures optimum comfort and mobility whatever the weather.

Technical description:

- Main fabric: 100% Polyester 75D twill 190 g/m²
- Water column: H₂O: > 8000 mm Trousers, > 15000 Jacket
- Breathability: 5000 g/m²/24h Trousers, > 10000 Jacket

186101 Stretch 3 Layer Jacket

- Taped seams
- 3 layer jacket with outer fabric, membrane and lining laminated in one piece of fabric to make it lighter
- 2 way YKK zip
- Chest pocket with flap
- Hidden multifunction pocket
- Double storm flap with velcro
- Coated zip
- Detachable hood with string and velcro
- 2 pockets with coated zips
- Adjustable lower hem
- Segmented reflective tape
- Size L back length - 81 cm

Sizes: XS - 5XL



182401 Stretch Combi Trousers

- Taped seams
- Detachable braces
- Extended back
- Adjustable waist with hook & loop
- Vertical pockets with coated zip
- Left side pocket with zip & flap
- Tool pocket in durable fabric
- Cordura reinforcement on knee pocket
- Legs with zipper

Sizes: XS -5XL



| CODE | DESCRIPTION | PRICE |
|------------|---|-------|
| CLOE186000 | Working Xtreme Stretch Jacket - Black | |
| CLOE182401 | Working Xtreme Stretch Combi Trousers - Black | |



Dry Zone & Dry Zone EN471 series ensure optimal mobility. The flexible and durable PU/Polyester material combines high tear strength with a natural elasticity and comfort.

Technical description:

- 190 g PU/Polyester
- Water column: H₂O: > 5000 mm

029900 Dry Zone Bib & Brace

- Press buttons in leg
- Adjustable suspenders with Fix-lock
- Reinforced welding in crotch

Sizes: XS - 5XL



| CODE | DESCRIPTION | PRICE |
|---------|-----------------------------------|-------|
| CLOEDOB | Dry Zone Bib & Brace 190g - Green | |

026300R Dry Zone Hi-Viz Jacket

- Reflex on shoulder and arms
- Zipper and storm flap with press buttons
- 2 pockets with flaps
- Hidden/adjustable hood
- Adjustable in lower hem
- Adjustable neck with velcro
- Size L back length: 76 cm

Sizes: XS - 5XL



022400R Hi-Viz Trousers

- Vertical reflective stripe
- Press buttons in leg
- Reinforcement in crotch

Sizes: XS - 5XL



| CODE | DESCRIPTION | PRICE |
|-------------|-------------------------------|-------|
| CLOE026300R | Dry Zone EN471 Jacket | |
| CLOE022400R | Dry Zone EN471 Waist Trousers | |



Dry Zone D-Lux fabric takes the Dry Zone fabric as a basis and developed a jacket and trousers with a number of extra details. We have added reflectors to improve safety in the dark months of the year and a longer length jacket, a new sleeve fastening and more pockets in the trousers.

Technical description:

- 190 g PU/Polyester
- Water column: H₂O: > 5000 mm

026301 Dry Zone D-Lux Jacket

- Reflective stripe on chest and back
- Reflective logo on right sleeve, left pocket flap and on the back
- 2-way zipper with storm flap
- 2 pockets with flap
- Hidden/adjustable hood
- Elasticated sleeve and velcro adjustment
- Size L back length: 89 cm

Sizes: XS - 5XL



022401 Dry Zone D-Lux Waist Trousers

- Elasticated waist
- 2 pocket openings in side seam
- Double tool pocket on leg
- Cargo pocket
- Zipper with inside wind catch on leg
- Reflective stripes on leg

Sizes: XS - 5XL



| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| CLOEDZOJ | Dry Zone D-Lux Jacket 190g - Green | |
| CLOEDZOT | Dry Zone D-Lux Waist Trousers 190g - Green | |



Xtreme

Elka Xtreme offers outstanding comfort, quality and durability. The soft, flexible PVC quality, which is of course resistant to cold and oil, therefore satisfies all the requirements for hard-wearing horticultural wear.

Technical description:

- 600 g PVC/Polyester
- Water column: H₂O: > 13000 mm

179801 Xtreme Jacket

- Press buttons
- Adjustable hood

Sizes: XS - 5XL



177301 Xtreme Bib & Brace

- Adjustable suspenders with Fix-lock
- Inside pockets

Sizes: XS - 5XL

| CODE | DESCRIPTION | PRICE |
|--------|----------------------------------|-------|
| CLOEOJ | Extreme Jacket 600g - Green | |
| CLOEOB | Extreme Bib & Brace 600g - Green | |

4XL & 5XL garments all + 25%

Size Chart

| Jackets & Smocks | | | | | | | | Adult ~ Unisex | |
|------------------|---------|---------|-----------|-----------|-----------|-----------|-----------|----------------|-----------|
| Size | XS | S | M | L | XL | 2XL | 3XL | 4XL | 5XL |
| Chest cm | 84 - 88 | 92 - 96 | 100 - 104 | 108 - 112 | 116 - 120 | 124 - 128 | 132 - 136 | 140 - 144 | 148 - 152 |

| Trousers & Bib and Brace | | | | | | | | Adult ~ Unisex | |
|--------------------------|---------|---------|---------|---------|-----------|-----------|-----------|----------------|-----------|
| Size | XS | S | M | L | XL | 2XL | 3XL | 4XL | 5XL |
| Waist cm | 70 - 74 | 78 - 82 | 86 - 90 | 94 - 98 | 102 - 106 | 110 - 114 | 120 - 124 | 128 - 132 | 136 - 140 |



Waders

Chest waders have been developed to satisfy the demands made by angling and deep-sea fishing. Our European fabrication in soft, hardwearing 600 g PVC/ Polyester guarantees outstanding comfort and durability.

Technical description:

- 600 g PVC/Polyester
- Water column: H₂O: > 13000 mm

170000 Elka Chest Waders

- Double welded in all stitchings
- Dunlop boot
- Inside pocket
- Fix-lock braces
- Repair kit

Sizes 5-15



| CODE | DESCRIPTION | SIZE | PRICE |
|-----------|-----------------------------|---------|-------|
| CLOEOW* | Chest Waders Olive Green | 5 - 12 | |
| CLOEOW130 | | 13 | |
| CLOEOW** | | 14 - 15 | |

SAFETY EQUIPMENT

Clear Goggles



| CODE | DESCRIPTION | PRICE |
|----------|----------------------|-------|
| SFYGOGDV | Clear Safety Goggles | |

Ear Defenders

A popular choice of ear defender, effective, economical protection.



| CODE | DESCRIPTION | PRICE |
|---------|--------------------------------|-------|
| JSPED25 | Ear Defenders SNR 25 (EN352-1) | |

Browguard with Clear Visor

EN 1661B / 3B

PC visor with PP browguard manufactured from impact resistant polypropylene. The wheel ratchet adjustment system is designed for easy use.

Replacement polycarbonate visor available.
Visor size: 20 x 40cm



| CODE | DESCRIPTION | PRICE |
|-------|----------------------------|-------|
| SFY15 | Browguard with Clear Visor | |

Blue Nitrile Disposable Gloves

Powder free Nitrile disposable glove.

Sizes: S-XL



| CODE | DESCRIPTION | PRICE |
|--------|--|-------|
| CLO38x | Blue Nitrile Disposable Glove [Box of 100] | |

GLOVES

Heavy Duty Latex Rubber Glove

A heavy duty glove that can withstand repeated punishment, such as knocks and scuffs. Cotton flock lining removes irritation and absorbs perspiration.

One Size



| CODE | DESCRIPTION | PRICE |
|---------|-------------------------|-------|
| CLO4510 | Heavy Duty Rubber Glove | |

Blue Nitrile Flock-lined Glove

Ergonomically designed to combat hand fatigue, offering increased user comfort. Textured surface ensures good grip in wet and dry conditions. Flock lining keeps hands cool and comfortable, removes irritation and absorbs perspiration. Contains agents to protect hand from infection.

Sizes: S-XL



Black Gauntlet 45cm

Natural rubber, medium weight. CE Marked.

Sizes: S-XL



| CODE | DESCRIPTION | PRICE |
|--------|----------------------|-------|
| CLO42x | Blue Household Glove | |
| SFY04x | Black Gauntlet 45cm | |

Vinyl Disposable Gloves

Powdered clear vinyl disposable glove, durable and dextrous, resists acids and alcohols. Feels like a second skin for the most tactile applications. Low vegetable starch powdering on interior ensures easy donning and removal whilst also absorbing perspiration. Can be worn on either hand.

Sizes: S-XL



Latex Powder Free Disposable Gloves

Natural rubber latex powder free glove, reduces product contamination, eases donning and removal. Tight fitting latex gives a second skin feeling which offers maximum dexterity, sensitivity and comfort for the user. Can be worn on either hand.

Sizes: S-XL



| CODE | DESCRIPTION | PRICE |
|--------|--|-------|
| CLO50x | Vinyl Powdered Disposable Gloves [Box of 100] | |
| CLO52x | Latex Powder Free Disposable Gloves [Box of 100] | |

GLOVES

Vis-Tex5 Cut Resistant Glove

Cut resistant level 5 glove with PU dipping for high abrasion resistance, the HPPE liner also achieves a level 1 for contact heat. Flexible hi-vis lining for optimum protection and comfort.



| CODE | DESCRIPTION | SIZES | PRICE |
|---------|------------------------------|------------|-------|
| CLO625x | Vis-Tex5 Cut Resistant Glove | M-L (9-10) | |

Classic Chrome Rigger Glove

Constructed using premium split leather with additional knuckle padding for add protection. Yellow/Red.



| CODE | DESCRIPTION | PRICE |
|----------|---|-------|
| CLO219XL | Classic Chrome Rigger Glove - Yellow/Red - XL | |

Kent & Stowe Bamboo Gloves

These Kent & Stowe Natural Bamboo Gloves are ideal for various gardening tasks such as pruning, weeding and planting.

Our gloves are super soft made for comfort. They are great for keeping hands clean and dry as well as avoiding blisters or cuts. These bamboo gloves are naturally antibacterial and hypoallergenic which is great for more delicate hands.

- » Navy or Red
- » Elasticated wrist for the perfect fit
- » Highly flexible with good dexterity for intricate tasks



Sizes: M & L

| CODE | DESCRIPTION | PRICE |
|----------|---------------------------------|-------|
| CLOKSBNx | K&S Natural Bamboo Glove - Navy | |
| CLOKSBRx | K&S Natural Bamboo Glove - Red | |

Kent & Stowe Ultimate All Round Gardening Gloves

These Kent & Stowe Ultimate All-Round Gardening Gloves are perfect for all gardening tasks. They are therefore ideal for clearing, pruning and weeding.

The All-Round glove offers protection against thorns and other sharp objects. They also have exceptional grip in both wet and dry conditions.

- » Green, Navy or Pink
- » Flexible
- » Close fit
- » Offers great dexterity
- » Latex dipped for strength
- » Knitted wrist with closed cuff for comfort and to keep out debris

Sizes: S, M & L



| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| CLOKSUGx | K&S Ultimate A/R Gardening Glove - Green | |
| CLOKSUNx | K&S Ultimate A/R Gardening Glove - Navy | |
| CLOKSUPx | K&S Ultimate A/R Gardening Glove - Pink | |

SAFETY BOOTS

BUCKLER BOOTS
BODY AND SOLE TOGETHER FOREVER

Xpert Warrior SBP Safety Lace Boot

The Xpert Warrior Steel Toecap Safety Leather Work Boot is built for ultimate protection and comfort.

- Complete Protection - Protective Steel Toecap and Midsole
- Quality Leather - High Quality and Durable Waxy Leather Upper
- All-Day Comfort - With Comfort-X Open-Cell Insole for Superior Comfort and Durability
- Xpert Scuff Cap for Added Durability and Protection
- Dual Density PU/TPU Hardwearing Outsole
- Padded Colour & Tongue for Optimum Comfort
- Xpert Support Structure providing Heel and Ankle Support

Full Sizes: 6/40-11/46



| CODE | DESCRIPTION | COLOUR | PRICE |
|---------|-------------------------|--------|-------|
| CLXP510 | Xpert Warrior Lace Boot | Brown | |

Xpert Defiant SBP Safety Dealer Boot

The Xpert Defiant Safety Dealer Boot is a favourite within the farming, construction and industrial sectors. Unrivalled for comfort and durability. The Defiant is a tried-and-trusted Steel Toecap Pull-on Chelsea Boot. Bullet points as above lace boot.

Full Sizes: 6/40 - 11/46



| CODE | DESCRIPTION | COLOUR | PRICE |
|---------|---------------------------|--------|-------|
| CLXP550 | Xpert Defiant Dealer Boot | Brown | |

Goodyear Welted Steel Toe & Midsole SB P HRO and S3

B1150SM Buckflex™

- Chocolate Oil Leather
- Steel Toecap Dealer Boot
- K2 Heat & Oil Resistant Sole
- EN ISO 20345-1 SB/P/HRO

Full Sizes: 4/38 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|---------|-------------|---------------|-------|
| CLB1150 | B1150SM | Chocolate Oil | |

B1151SM Buckflex™

- Dealer boot
- Autumn Oak Leather
- K2 Heat & Oil Resistant Sole
- EN ISO 20345-1 SB/P/HRO

Full Sizes: 6/40 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|---------|-------------|--------------------|-------|
| CLB1151 | B1151SM | Autumn Oak Leather | |

Goodyear Welted Non-Safety

B1500 Buckflex™

- Copper Crazy Horse Leather
- K3 Rubber Sole

Full Sizes: 6/40 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|---------|-------------|--------------------|-------|
| CLB1500 | B1500 | Crazy Horse Copper | |

Nubuckz NKZ101

- Dealer boot
- Nubuck leather
- Supertough anti-scuff toe
- Composite Toe Cap (SB)
- Antistatic (A)
- Heat & Oil Resistant Outsole (HRO)
- Slip Resistant (SRC)
- Comfort insoles
- Non-metallic
- S3 HRO SRC

Full Sizes: 6/40 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|-------------|-------------|--------|-------|
| CLBNKZ101BR | NKZ101 | Brown | |
| CLBNKZ101BK | | Black | |

Nubuckz NKZ102

- Lace boot
- Nubuck leather
- Supertough anti-scuff toe
- Composite Toe Cap (SB)
- Antistatic (A)
- Heat & Oil Resistant Outsole (HRO)
- Slip Resistant (SRC)
- Comfort insoles
- Non-metallic
- S3 HRO SRC

Full Sizes: 6/40 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|-------------|-------------|--------|-------|
| CLBNKZ102BK | NKZ102 | Black | |

Hybridz Lace Dealer Boot

- Steel Toecap
- Steel Midsole
- Antistatic
- Supertough anti-scuff toe
- Water Resistant Uppers
- Comfort insole
- Slip Resistance - Max Test
- Heat (300C/60 secs) and Oil Resistant Outsole
- Dark Brown Crazy Horse

Full Sizes: 6/40 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|-----------|-------------|-------------------|-------|
| CLBHYB2BR | Hybridz | Crazy Horse Brown | |

Kez Safety Trainer

- Copper Crazy Horse Leather
- Cambrelle Lined
- K3 Rubber Sole
- S1/P/HRO/SRC
- Designed for lighter indoor duties

Full Sizes: 6/40 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|----------|-------------|--------|-------|
| CLBKEZBL | Kez | Black | |

BVIZ2 OR



BVIZ2 YL



- Lace Boot
- Waterproof
- Black oiled nubuck leather with water resistant cordura
- Anti-scuff composite toe (SB)
- Foorbedz comfort insole
- SB/P/HRO/SRC

Full Sizes: 6/40 - 13/47

| CODE | DESCRIPTION | COLOUR | PRICE |
|-----------|-------------|--------|-------|
| CLBVIZ2YL | Buckz Viz | Yellow | |
| CLBVIZ2OR | | Orange | |

Blitz Safety Lace Boot

- Lace boot
- Black cowhide leather
- Lightweight Nano Safety Toe Cap (SB)
- Antistatic (A)
- Oil Resistant Outsole (HRO)
- Slip Resistant (SRC)
- Comfort cushion removeable insoles
- Non-metallic
- S3 SRC

Full Sizes: 6/40 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|----------|-------------|--------|-------|
| CLBBLZBR | Blitz | Black | |

Laces

55"/140cm long



Cordura Boot Socks

- Arch support
- Cordura comfort
- Leg support
- Shock absorption
- Black

Sizes: S, M & L



| CODE | DESCRIPTION | COLOUR | PRICE |
|------------|-----------------------------|--------|-------|
| CLO21K | Boot Laces 7/41 to 12/46 | Black | |
| CLO21B | | Brown | |
| CLBSOKZCXX | Boot Socks | Black | |

WELLINGTONS

BBZ 6000 S5 HRO CI SRC Safety Buckbootz

- Steel Toecap & Midsole
- Neoprene waterproofing
- Hi-Viz Lining rolls down for extra safety
- Heat & Oil Resistant
- Aerospencer honeycomb breathable lining
- K3 Sole
- Approved for building sites

Full Sizes: 6/40 - 12/46



BBZ 5020 Knee Boot

- Neoprene waterproofing
- Chemical Resistant
- Abrasion Resistant
- Oil Resistant
- Vulcanised sole unit
- K3 Sole

Full Sizes: 5/39 - 13/47



| CODE | DESCRIPTION | COLOUR | PRICE |
|-----------|-------------|-------------|-------|
| CLBBZ5020 | BBZ 5020 | Olive Green | |

Green Wellington

- Waterproof
- Green
- PVC

Full Sizes: 6-12



| CODE | DESCRIPTION | COLOUR | PRICE |
|---------|-------------|--------|-------|
| CLPFW90 | Wellington | Green | |

Full Safety Wellington

Safety Wellingtons are manufactured from PVC/Nitrile to give a seamless watertight construction. 200 joule steel toe cap, slip resistant and anti-static are just some of the key features. Washable nylon lining and kick off spurs make these wellingtons safe for use in a wide range of environments.

Full Sizes: 3-13



| CODE | DESCRIPTION | COLOUR | PRICE |
|-----------|-------------------|--------|-------|
| CLPFW95xB | Safety Wellington | Black | |
| CLPFW95xG | | Green | |



| CODE | DESCRIPTION | COLOUR | PRICE |
|---------------|-------------|-------------------------|-------|
| CLBBZ6000OR | BBZ 6000 | Orange with Blue Trim | |
| CLBBZ6000BK | | Black | |
| CLBBZ6000BL | | Blue with Orange Trim | |
| CLBBZ6000GR | | Green | |
| CLBBZ8000BKYL | BBZ 8000 | Black with HiVIZ Yellow | |
| CLBBZ8000BKOR | | Black with HiVIZ Orange | |
| CLBBZ8000BLOR | | Blue with HiVIZ Orange | |

Swampmaster Pro Thermo S5 Safety

The Xpert Swampmaster Pro Defender+ S5 Safety PU Wellington is engineered for ultimate durability and comfort. This Composite Toecap Safety Wellington also boasts a high-spec anti-penetration midsole, ensuring it remains a firm favourite with farmers and growers looking for full foot protection.

- S5 Safety - Complete Protection with Light-X Protective Composite Toecap and Light-X Anti-Penetration Midsole
- Stay warm in Extreme Temperatures - Therm-X technologies tested to withstand temperatures down to -50C
- Made from Durable PU - Lightweight, Flexible and Tough
- All Day Comfort - Comfort-X Shock Absorbing PU Footbed for Optimum Comfort
- Easy-Off Heel Design
- Outsole Resistant to Oils, Fats, Acids and Organic Solvents
- SRC Slip Resistant, Antostatic Outsole



| CODE | DESCRIPTION | COLOUR | PRICE |
|----------|-----------------|--------|-------|
| CLSWP690 | Swampmaster Pro | Green | |

LANDSCAPING AND GARDEN PRODUCTS

38mm Spiral Tree Guards

An easy to fit, cost effective method of protecting young trees against small animals and strimmers. Spiral tree guards do not shrink and will stand up to the most adverse weather conditions.



| CODE | DESCRIPTION | COLOUR | PACK | PRICE |
|----------|-------------------------------|--------|------|-------|
| SUN270CR | Spiral Tree Guard 45cm x 38mm | Clear | 250 | |
| SUN270BN | Spiral Tree Guard 45cm x 38mm | Brown | 250 | |
| SUN271CR | Spiral Tree Guard 60cm x 38mm | Clear | 250 | |
| SUN271BN | Spiral Tree Guard 60cm x 38mm | Brown | 250 | |

Soft Buckle Tree Ties

Made from soft black PVC strapping which is capable of stretching with growth, is also easily adjusted and comes complete with hoop collar spacer to prevent chaffing between tree and stake.



| CODE | DESCRIPTION | PACK | PRICE |
|---------|-----------------------------|------|-------|
| TTSB15B | Buckle Tree Tie 40cm x 25mm | 100 | |
| TTSB18B | Buckle Tree Tie 45cm x 25mm | 100 | |
| TTSB24B | Buckle Tree Tie 60cm x 25mm | 100 | |

Rubber Tree Cushions

These soft rubber tree cushions offer a very soft and bouncy support between the tree and stake allowing maximum movement to the benefit of the young developing tree.

These cushions come with two pre-formed slots allowing a good strong assembly to be made using a long life rubber strap in either 25 or 38mm size.



| CODE | DESCRIPTION | PACK | PRICE |
|---------|-------------------|------|-------|
| SUNC295 | Tree Cushion 25mm | 100 | |
| SUNC296 | Tree Cushion 38mm | 100 | |

The Shire Wheelbarrow

Heavy-duty barrow in an easy assembly format.

- 90L polypropylene barrow
- Heavy duty powder coated tubular steel frame
- Pneumatic tyre



| CODE | DESCRIPTION | COLOUR | PRICE |
|--------|--------------------------------|--------|-------|
| WBSHGP | Shire Barrow 90L Polypropylene | Green | |

The Easiload Galvanised Contractor Wheelbarrow

Heavy-duty barrow in an easy assembly format.

- 90L press pan
- Tubular steel frame
- Pneumatic tyre
- Galvanised



| CODE | DESCRIPTION | COLOUR | PRICE |
|--------|------------------------|------------|-------|
| WBEGVP | Easiload 90L Press Pan | Galvanised | |

ICL SPORTS & LANDSCAPE

Sportsmaster™

A high quality mini-granular fertilizer range for sports and amenity turf. Sportsmaster is the industry standard fertilizer for turf mown above 6mm, the various analyses are designed to maintain turf performance throughout the year.

Spring & Summer

9-7-7

Sportsmaster Spring & Summer is an all-rounder that breaks down quickly to give rapid uptake of nutrients.

Renovator Pro

14-0-5+Fe+MCPA+Mecoprop-P

Sportsmaster Renovator Pro is a weed, feed and mosskiller that maintains growth and contains a selective herbicide for weed control plus iron for moss control.

Cleanrun Pro

14-0-5+MCPA+Mecoprop-P

Weed and feed single application in spring or summer periods when broad-leaved weeds are present.

Autumn

4-12-12

Sportsmaster Autumn is ideally used to strengthen turf in autumn or when turf needs pre-stress conditioning.

| CODE | DESCRIPTION | SIZE | PRICE |
|---------|------------------------------|------|-------|
| FERISS | Sportsmaster Spring & Summer | 25kg | |
| FERISRP | Sportsmaster Renovator Pro | 25kg | |
| FERISCP | Sportsmaster Cleanrun Pro | 25kg | |
| FERISAW | Sportsmaster Autumn | 25kg | |

Lawn Sand

Kills moss and can be used on all grasses.

Analysis: 2-0-0+2Fe



| CODE | DESCRIPTION | SIZE | PRICE |
|---------|----------------|-------|-------|
| FERLS25 | Lawn Sand No.2 | 25 Kg | |

LAWN SEED

Johnsons Economy with rye

- Hard-wearing and ideally suited to play areas and paths
- For semi and relatively dense shaded areas under trees and next to high walls and hedges
- A mixture of perennial ryegrass and strong creeping red fescue
- Ideal mixture for overseeding in Spring & Autumn



| CODE | DESCRIPTION | SIZE | PRICE |
|------------|-----------------------|-------|-------|
| JLSJECON10 | Economy with ryegrass | 10 Kg | |

Pro Master PM52 Greenfine without ryegrass

An economical, fine textured mixture, reduces maintenance, suitable for landscaping and lawns. Contains only STRI UK listed cultivars.

30% Wagner chewing fescue
70% Maxima strong creeping red fescue



| CODE | DESCRIPTION | SIZE | PRICE |
|---------|-----------------|-------|-------|
| JLSPM52 | PM 52 Greenfine | 10 Kg | |

Pro Master PM51 Grass Seed

A hard-wearing mixture that establishes rapidly. Ideal for general purpose landscaping and lawns.

20% Platinum perennial ryegrass
20% Esquire perennial ryegrass
60% Maxima strong creeping red fescue



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------|-------|-------|
| JLSJPM51 | PRO 51 | 20 Kg | |

Pro Master PM80 Stadium Mix

Ideal for heavily shaded amenity areas including golf tees and lawns.

40% Verdi perennial ryegrass
30% Ponderosa perennial ryegrass
30% Platinum perennial ryegrass



| CODE | DESCRIPTION | SIZE | PRICE |
|---------|-------------|-------|-------|
| JLSPM80 | PRO 80 | 20 Kg | |

LANDSCAPING & GARDEN PRODUCTS

Landscape Fabric

Made from a black spunbonded polypropylene, with high levels of UV stabiliser, it acts as a barrier between soil and top mulch, preventing soil migration and providing a clean, attractive surface. Used in planting schemes and enables easy planting, by pre-cutting crossholes in the fabric, in golf bunkers and under play areas, paths and patios. Helps suppress weed growth.

- Landscaping
- Weed control
- Planting out
- Beds
- Tubs
- Hanging baskets



| CODE | WIDTH | LENGTH | PRICE |
|-----------|-------|--------|-------|
| TILM10100 | 1.00m | 100m | |
| TILM15100 | 1.50m | 100m | |
| TILM20100 | 2.00m | 100m | |
| TILM30100 | 3.00m | 100m | |

EvenSprey Club

Battery-powered, pedestrian spray machine

Designed for accurate and economical application of liquid fertilisers and other turf treatments.

- 25 litre tank with 20cm lid and filter
- Anti-flip tank stops
- 1500mm wide single independent spray boom
- Storage clip for the spray boom, which folds away for transportation
- Rechargeable 9 amp/hr 12v battery
- Comfy handlebar
- Improved filter system



| CODE | DESCRIPTION | PRICE |
|------------|--------------------|-------|
| VITEVENS25 | EvenSprey Club 25L | |

Permatex Blue Grid Premium Groundcover 100gsm

Features:

- Exceptional weed suppression without spraying
- Excellent water permeability maintains moisture levels without puddling
- Easy installation and maintenance
- Puncture and tear resistant - can handle machine and pedestrian traffic
- Perfect for use below ground, especially under gravel driveways and paths



| CODE | WIDTH | LENGTH | PRICE |
|------------|-------|--------|-------|
| GCP100100 | 1.00m | 100m | |
| GCP200100 | 2.00m | 100m | |
| GCP330100F | 3.30m | 100m | |
| GCP420100F | 4.20m | 100m | |
| GCP515100F | 5.15m | 100m | |

10 Litre Green Wash Plastic Watering Can

Plastic PVC watering can featuring a robust yet lightweight design. Detachable rose included that allows an easy pouring action, plus rose storage nozzle.



| CODE | DESCRIPTION | COLOUR | PRICE |
|--------|-----------------------------|--------|-------|
| WCGW10 | Green Wash Watering Can 10L | Green | |

Wood Hay Rake

With an excellent reach and collection potential large areas of hay, straw and grass cuttings can be raked up quickly and easily. Widely used by contractors for levelling surfaces and smoothing over sand bunkers on golf courses. Made entirely from hardwood it is light and easy to handle.

Handle: 70" Hardwood Plain
16 Tooth



Alloy Hay Rake

Similar to the Wood Hay Rake except the working end of the tool is all metal for strength, ideal for tougher use. Perfect for hay raking, shaping and levelling newly dug beds, collecting grass clippings and raking up leaves in large quantities. The rounded metal teeth skim along the ground without snagging or digging in.

Handle: 72" Hardwood Plain
18 Tooth



| CODE | DESCRIPTION | PRICE |
|----------|----------------|-------|
| SUBPRWHR | Wood Hay Rake | |
| SUBPRAHR | Alloy Hay Rake | |

KENT & STOWE CARBON STEEL RANGE

Our forged garden spades and forks have heads made from a single piece of steel. This is then securely riveted to an ash shaft (FSC 100%), the end of which has been steamed to form a D shaped handle.

Digging Spade

Handle: 110cm Ash YD



Border Spade

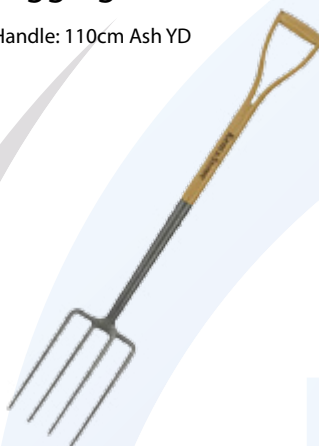
Handle: 104cm Ash YD



| CODE | DESCRIPTION | PRICE |
|----------|----------------------------|-------|
| SUKSCSDS | Carbon Steel Digging Spade | |
| SUKSCSBS | Carbon Steel Border Spade | |

Digging Fork

Handle: 110cm Ash YD



Border Fork

Handle: 104cm Ash YD



| CODE | DESCRIPTION | PRICE |
|----------|---------------------------|-------|
| SUKSCSDF | Carbon Steel Digging Fork | |
| SUKSCSBF | Carbon Steel Border Fork | |

Lawn Edging Iron

Handle: Ash 100cm T Grip



Round Nosed Shovel

Handle: 110cm Ash YD



| CODE | DESCRIPTION | PRICE |
|-----------|---------------------------------|-------|
| SUKSCSEI | Carbon Steel Lawn Edging Iron | |
| SUKSCSRNS | Carbon Steel Round Nosed Shovel | |

Long Handled Dutch Hoe

Handle: 160.5cm Ash Tapered



Long Handled Soil Rake

Handle: 158cm Ash Tapered



| CODE | DESCRIPTION | PRICE |
|-----------|---------------------------|-------|
| SUKSCSLDH | CS Long Handled Dutch Hoe | |
| SUKSCSLSR | CS Long Handled Soil Rake | |

Long Handled Lawn/Leaf Rake

Handle: 170cm Ash Tapered



Hand Fork

Handle: 31cm Ash Contoured



| CODE | DESCRIPTION | PRICE |
|----------|--------------------------------|-------|
| SUKSCLLR | CS Long Handled Lawn/Leaf Rake | |
| SUKSCSHF | Carbon Steel Hand Fork | |

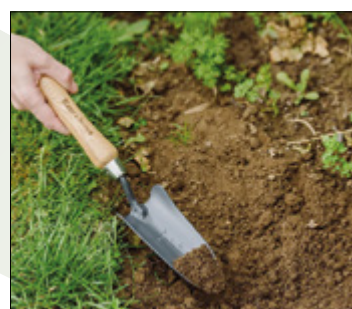
Hand Trowel

Handle: 33cm Ash Contoured



Hand Transplanting Trowel

Handle: 32.5cm Ash Contoured



| CODE | DESCRIPTION | PRICE |
|-----------|--|-------|
| SUKSCSHT | Carbon Steel Hand Trowel | |
| SUKSCSHTT | Carbon Steel Hand Transplanting Trowel | |



KENT & STOWE STAINLESS STEEL RANGE

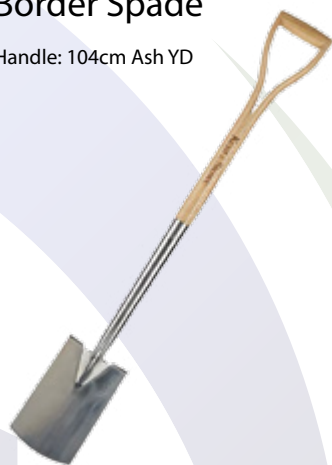
Digging Spade

Handle: 110cm Ash YD



Border Spade

Handle: 104cm Ash YD



Digging Fork

Handle: 110cm Ash YD



Border Fork

Handle: 104cm Ash YD



| CODE | DESCRIPTION | PRICE |
|----------|-------------------------------|-------|
| SUKSSSDS | Stainless Steel Digging Spade | |
| SUKSSBS | Stainless Steel Border Spade | |

| CODE | DESCRIPTION | PRICE |
|----------|------------------------------|-------|
| SUKSSSDF | Stainless Steel Digging Fork | |
| SUKSSBF | Stainless Steel Border Fork | |

Lawn Edging Iron

Handle: Ash 100cm T Grip



Hand Potting Scoop

Handle: 33cm Ash Contoured



| CODE | DESCRIPTION | PRICE |
|----------|------------------------------------|-------|
| SUKSSSEI | Stainless Steel Edging Iron | |
| SUKSSHPS | Stainless Steel Hand Potting Scoop | |

Long Handled Dutch Hoe

Handle: 160.5cm Ash Tapered



Long Handled Lawn Leaf Rake

Handle: 170cm Ash Tapered



| CODE | DESCRIPTION | PRICE |
|----------|---|-------|
| SUKSSLDH | Stainless Steel Long Handled Dutch Hoe | |
| SUKSSLLR | Stainless Steel Long Handled Lawn/Leaf Rake | |

Long Handled Soil Rake

Handle: 158cm Ash Tapered



Hand Trowel

Handle: 33cm Ash Contoured



| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| SUKSSLSR | Stainless Steel Long Handled Soil Rake | |
| SUKSSHT | Stainless Steel Hand Trowel | |

Hand Fork

Handle: 31cm Ash Contoured



Hand Transplanting Trowel

Handle: 32.5cm Ash Contoured



| CODE | DESCRIPTION | PRICE |
|----------|---|-------|
| SUKSSSHF | Stainless Steel Hand Fork | |
| SUKSSHTT | Stainless Steel Hand Transplanting Trowel | |

FELCO SECATEURS

The World's Finest Ergonomic Secateurs.

FELCO 2

One-hand pruning shear | High performance | Classic model

Reliable: Comfortable, light, sturdy handles made of forged aluminium with a lifetime guarantee* / blade and riveted anvil blade made of high-quality hardened steel / clean, precise cut / all parts can be replaced.

Efficient: Easy, durable cutting adjustment / wire cutting notch / sap groove.

Ergonomic: Hand protection is provided by the cushion-shock absorber / non-slip coating.

Cut dia.: 25mm
Weight: 240g
Length: 215mm
For large hand



| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| FEL02 | FELCO 2 | |
| FELP291 | Replacement Springs (Blister Pack x 2) | |
| FELPL208 | Replacement Cutting Blade | |
| FELP290 | Centre Mechanism Repair Kit | |

FELCO 4

One-hand pruning shear | Good performance | Standard model

Reliable: Comfortable, light, sturdy handles made of forged aluminium with a lifetime guarantee* / blade and riveted anvil blade made of high-quality hardened steel / clean, precise cut / all parts can be replaced.

Efficient: Easy cutting adjustment / wire cutting notch / sap groove.

Ergonomic: Non-slip coating.

Cut dia.: 25mm
Weight: 220g
Length: 210mm
For large hand



| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| FEL04 | FELCO 4 | |
| FELP291 | Replacement Springs (Blister Pack x 2) | |
| FELPL208 | Replacement Cutting Blade | |

FELCO 902

Sharpening tool | Sharpening stone

Medium and fine grained high purity corundum sharpening stone. Easy to use, it keeps its shape, and is ideal for the sharpening of pruning shears. For pruning shears and cable cutters.

Weight: 30g
Length: 100mm



| CODE | DESCRIPTION | PRICE |
|----------|----------------------------|-------|
| FELPF902 | FELCO 902 Sharpening Stone | |

FELCO 5

One-hand pruning shear | Good performance | Basic model

Reliable: Sturdy steel handles / blade and anvil blade made of high-quality hardened steel / clean, precise cut / all parts can be replaced.

Efficient: Easy cutting adjustment.

Ergonomic: Non-slip coating.

Cut dia.: 25mm
Weight: 310g
Length: 225mm
For large hand



| CODE | DESCRIPTION | PRICE |
|------------|--|-------|
| FEL05 | FELCO 5 | |
| FELP591 | Replacement Springs (Blister Pack x 2) | |
| FELPL21089 | Replacement Cutting Blade | |

FELCO 6

One-hand pruning shear | High performance | Compact

Reliable: Comfortable, light, sturdy handles made of forged aluminium with a lifetime guarantee* / blade and screw-mounted anvil blade made of high-quality hardened steel / clean, precise cut / all parts can be replaced.

Efficient: Easy, durable cutting adjustment / wire cutting notch / sap groove.

Ergonomic: Hand and wrist protection are provided by the ideal shape of the handles and the cushion-shock absorber / Non-slip coating.

Cut dia.: 20mm
Weight: 210g
Length: 195mm
For medium hand



| CODE | DESCRIPTION | PRICE |
|------------|-----------------------------|-------|
| FEL06 | FELCO 6 | |
| FELPL21154 | Replacement Cutting Blade | |
| FELP690 | Centre Mechanism Repair Kit | |

FELCO 14

One-hand pruning shear | Bypass | Ergonomic - Small Size

Reliable: Comfortable, light, sturdy handles made of forged aluminium with a lifetime guarantee* / blade and screw-mounted anvil blade made of high-quality hardened steel / clean, precise cut / all parts can be replaced.

Efficient: Easy, durable cutting adjustment / wire cutting notch / sap groove.

Ergonomic: Hand and wrist protection are provided by the ideal shape of the handles and the cushion-shock absorber / Non-slip coating.

Cut dia.: 18mm
Weight: 195g
Length: 180mm
For small hand



| CODE | DESCRIPTION | PRICE |
|---------|-----------------------------|-------|
| FEL14 | FELCO 14 | |
| FELP143 | Replacement Cutting Blade | |
| FELP690 | Centre Mechanism Repair Kit | |

FELCO SECATEURS

FELCO 7

One-hand pruning shear | High performance | Ergonomic

Reliable: Comfortable, light, sturdy handles made of forged aluminium with a lifetime guarantee* / blade and screw-mounted anvil blade made of high-quality hardened steel / clean, precise cut / all parts can be replaced.

Efficient: Easy, durable cutting adjustment / wire cutting notch / sap groove.

Ergonomic: Hand and wrist protection, and optimisation of the force exerted are provided by the revolving handle, the angled head and the cushion-shock absorber / Non-slip coating.

Cut dia.: 25mm
Weight: 290g
Length: 210mm
For large hand



| CODE | DESCRIPTION | PRICE |
|------------|--|-------|
| FEL07 | FELCO 7 | |
| FELP291 | Replacement Springs (Blister Pack x 2) | |
| FELPL21246 | Replacement Cutting Blade | |
| FELP790 | Centre Mechanism Repair Kit | |

FELCO 10

Left-hand pruning shear | High performance | Ergonomic

Reliable, efficient and ergonomic as the FELCO 7 above.

Cut dia.: 25mm
Weight: 290g
Length: 210mm
For large hand



| CODE | DESCRIPTION | PRICE |
|------------|--|-------|
| FEL10 | FELCO 10 | |
| FELP291 | Replacement Springs (Blister Pack x 2) | |
| FELPL21766 | Replacement Cutting Blade | |
| FELP790 | Centre Mechanism Repair Kit | |

Leather Holster

910 - Leather holster with belt loop and clip, for safety and easy carrying.

912 - Cone shaped leather holster with belt loop.

| CODE | DESCRIPTION | PRICE |
|----------|----------------------|-------|
| FELPF910 | Flat Leather Holster | |
| FELPF912 | Cone Leather Holster | |



FELCO 8

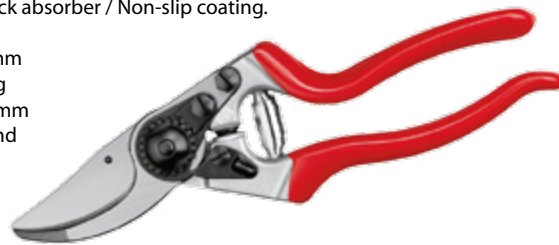
One-hand pruning shear | High performance | Ergonomic

Reliable: Comfortable, light, sturdy handles made of forged aluminium with a lifetime guarantee* / blade and screw-mounted anvil blade made of high-quality hardened steel / clean, precise cut / all parts can be replaced.

Efficient: Easy, durable cutting adjustment / wire cutting notch / sap groove.

Ergonomic: Hand and wrist protection, and optimisation of the force exerted are provided by the ideal shape of the handles, the angled head and the cushion-shock absorber / Non-slip coating.

Cut dia.: 25mm
Weight: 245g
Length: 210mm
For large hand



| CODE | DESCRIPTION | PRICE |
|------------|--|-------|
| FEL08 | FELCO 8 | |
| FELP291 | Replacement Springs (Blister Pack x 2) | |
| FELPL21246 | Replacement Cutting Blade | |
| FELP790 | Centre Mechanism Repair Kit | |

FELCO 9

Left-hand pruning shear | High performance | Ergonomic

Reliable, efficient and ergonomic as the FELCO 8 above.

Cut dia.: 25mm
Weight: 245g
Length: 210mm
For large hand



| CODE | DESCRIPTION | PRICE |
|------------|--|-------|
| FEL09 | FELCO 9 | |
| FELP291 | Replacement Springs (Blister Pack x 2) | |
| FELPL21766 | Replacement Cutting Blade | |
| FELP790 | Centre Mechanism Repair Kit | |

Pruning Saw

F600 - High carbon hard chrome plated tool steel blade which gives a clean precise finish and easily cuts through 3½" diameter branches. Blade length is 16cm.

F621 - Rust resistant, hard chromed blade made of high quality steel. Complete with safety sheath and belt loop. Blade length is 24cm.



| CODE | DESCRIPTION | PRICE |
|-----------|------------------------|-------|
| FELF600 | F600 Folding Saw | |
| FELPF6003 | Replacement Blade F600 | |
| FELF621 | F621 Pruning Saw | |
| FELPF6213 | Replacement Blade F621 | |

TOMATO, CUCUMBER & PEPPER PRODUCTION

Pallet Wrap

Stretch film with the useful property of 'inside cling' only which prevents pallets sticking together.

SFC17: 400mm x 300m on PVC extended cores.

Please call for pallet prices.



Stretch Net Wrap

An ideal option for growers wrapping pallets of fruit, lettuce and tomatoes etc. It offers good air circulation around the pallet to prevent sweating. The net stretches during wrapping to ensure the produce remains tightly packed.

SFNP500: Size 500mm x 500m.



A versatile pre-stretched ventilated film

This is perfect for solving problems when there is a build up of condensation or moisture. Such as hot or chilled/frozen products.

USE LESS - SAVE MORE

Due to the unique design you need less material to wrap a load when compared to alternative solutions.

INCREASED GRIP

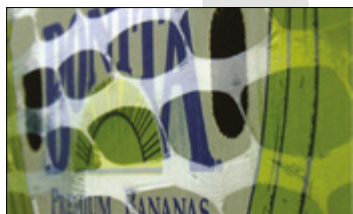
It is made using a carefully controlled formula of plastic compounds, giving the film a powerful ability to grip the load.

PREVENT CONDENSATION

EXCELLENT PALLET PERFORMANCE

NO REDUCTION IN WIDTH

FORKLIFT FRIENDLY



| CODE | HAND WRAP | PRICE EACH (6/BOX) |
|-------|--------------------------|--------------------|
| SFC22 | 500mm x 250m (51mm core) | |

Clip 22mm

The tomato clip fastens the plant to the string support without damaging the stem. As the clips are closed around the stem and locked, it grips the string to hold the clip in place. Plastic and biodegradable material.



Grafting Clip

Several styles to choose from, please call the office for prices.



Truss Support Clip

There are different support clips available to prevent truss stem breakages. This occurs when the weight of the fruit on a tomato truss is too heavy for the truss to bear. This results in reduced fruit size as a result of the stem kinking, or even crop losses if the truss breaks off.



| CODE | DESCRIPTION | BOX | PRICE |
|------------|-----------------------------|--------|-------|
| BTC22T | Bato Clip 22mm - Terracotta | 10,000 | |
| BGC15 | Grafting Clip 1.5mm | 10,000 | |
| DELTSC1001 | Truss Superflex Clip | 25,000 | |

Expert Horti Twine

Expert Horti Twine is the ideal product for a wide range of applications in Horticulture, Gardening, Greenhouse's utilities such as Tomato, Peppers and Cucumber crops.

- Flexible and soft surface to prevent damage to crop
- Excellent wear resistance
- High UV resistance
- High breaking strength
- Excellent Free Fall Ability



| CODE | COLOUR | PRICE |
|---------|---------------------------|-------|
| PT1200W | String 1200m/kg 6kg Spool | |

Tomato Layering Hooks

- Time saving system thanks to unique Quickhook-cardboard.
- Very easy to use, with handles for right-handers and left-handers.
- The hooks are loosely secured to cardboard in a way that they don't fall off or get entangled.
- Number of colours possible in one layer.
- The quickest and therefore most profitable system available.
- Price on application, 180-220mm available.



Poly Baler Twine

Medium: 12,000 feet per pack of 2.

Price is per 1 spool, sold in packs of 2.



| CODE | COLOUR | PRICE |
|-------|------------------|-------|
| PTPBM | Medium 12.000 Ft | |

Fruit & Bush Pruner (Curved Blade)

For the professional, ideal for picking fruit and cutting buds etc.

Blade is made from high quality carbon steel. Special heat treatment ensures blade hard and tough. Handles are blue with non-slip coating - hard to lose in a box of tomatoes!

Blade style: Curved (round at the top)
Length: 165mm (blade: 23mm)
Weight: 106g



| CODE | DESCRIPTION | PRICE |
|--------|--------------|-------|
| SUN095 | Fruit Pruner | |

DANISH TROLLEYS & ACCESSORIES

Danish Trolley Complete

Base, four posts and three shelves.
Hot-dipped galvanised for rust free life.

Can be powder coated in bespoke colours.

These are not CC trolleys and therefore cannot be used in a CC trolley system.

Size: 135 x 56.5 x 190cm



Base



Shelf



Posts

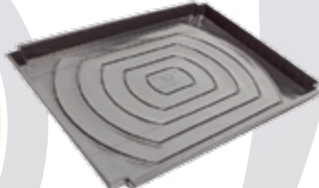


Screen Peg
For securing labels

Watering Tray



Euro Watering Tray



| CODE | DESCRIPTION | PRICE |
|------------|---------------------------|-------|
| LSDTT | Danish Trolley Complete | |
| LSDTB | Base | |
| LSDTS | Shelf (126.0 x 55.0 cm) | |
| LSDTPBS | Plywood Inserts for Shelf | |
| LSDTP | Posts 190cm | |
| LSDTWFF | PP Wheel - Fixed Frame | |
| LSDTWSF | PP Wheel - Swivel Frame | |
| MOD2000 | Euro Watering Tray | |
| MOD2005 | Danish Watering Tray | |
| SDR1031100 | Screen Peg (Pack of 100) | |

Display Maker

With this tool you can pull out the posts of a Danish Trolley. When you pull out the two posts on the long side of the trolley, all the shelves are at an angle. One or two holes higher, and now you have a display in just 5 seconds!



| CODE | DESCRIPTION | PRICE |
|--------|--|-------|
| LSDTDM | Danish Trolley Display Maker Galvanised Steel (1kg) 460 x 35 x 35 mm 2 required per trolley | |

Danish Trolley Mover

Wheels are 100mm wide, 400mm diameter.

A simple yet very effective way of moving trolleys around the nursery or Garden Centre. The pneumatic wheels allow fully laden trolleys to be moved over bare ground, across gullies and from one level of concrete path to another.

Our latest models are equipped with a trolley security system which keeps the trolley locked on the Trolley Mover.



| CODE | DESCRIPTION | PRICE |
|-------|----------------------|-------|
| LSDTM | Danish Trolley Mover | |

Danish Trolley Track

Trolley tracks with a wheel guide and inter-linking for Danish Trolley's.

Advantages:

- Very easy to lay
- A significantly reduced weight compared to concrete slabs
- Ideal for stationary and mobile purposes
- With a roller guide and inter-linking
- A pedestrian area with anti-slip protection (pimples)

Specifications:

- Section Length: 1.2 m
- Width (inside): 51 cm
- Width (outside): 53 cm



A clean solution: Multi-connect Plates are ideal as a walkway for customers

Multi-connect Plates are combinable as a turning area with the Danish Trolley Track

| CODE | DESCRIPTION | PRICE |
|--------------|----------------------|-------|
| LSDTST12 | Track 1.2 m | |
| LSDSTTRB | Ramp - Bottom | |
| LSDSTSTR | Ramp - Top | |
| LSDSTTP20080 | Multi-connect Plates | |

RIDDER DRIVE SYSTEMS

RW45 Motor Gearboxes

Medium duty compact self-braking gearboxes for a variety of applications with single, three phase or 24 volt DC motors. Available with two output shafts for use with chain couplings.

| TYPE | RPM | nM | kW | 240v | 400v | 24v |
|--------|-----|-----|------|--------|--------|-------|
| RW45-1 | 1 | 120 | 0.10 | 1.10 A | 0.41 A | 5.5 A |
| RW45-2 | 2 | 100 | 0.10 | 1.10 A | 0.41 A | 5.5 A |
| RW45-3 | 3 | 90 | 0.10 | 1.10 A | 0.41 A | 5.5 A |
| RW45-5 | 5 | 54 | 0.10 | 1.10 A | 0.41 A | 5.5 A |



RW45 - double output shaft

RW45 motor gearboxes fitted with a double sided shaft and cogs. 1, 2, 3 or 5 rpm output speed with linear limit switch and emergency stop for maximum of 97 revolutions. Option for installation of a multi-turn potentiometer to give positive feedback. Manual turn shaft ("D" models) are now shown as standard where available.

| CODE | DESCRIPTION | PRICE |
|----------|----------------|-------|
| RI531025 | RW45D 1rpm 3ph | |
| RI531030 | RW45D 2rpm 3ph | |
| RI531055 | RW45D 3rpm 3ph | |
| RI531085 | RW45D 5rpm 3ph | |
| RI531026 | RW45D 1rpm 1ph | |
| RI531031 | RW45D 2rpm 1ph | |
| RI531056 | RW45D 3rpm 1ph | |
| RI531086 | RW45D 5rpm 1ph | |



RW45 Chain Couplings

Chain coupling sets 1/2" x 5/16" x 12 tooth, weld-on for 1" (33.7mm OD) and 2" (60.3mm OD) drive shafts and bolt-on for 1" (33.7mm OD) and 1 1/4" (42.4mm OD) drive shafts. Two sets required per gearbox.



| CODE | DESCRIPTION | PRICE |
|----------|-----------------------------------|-------|
| RI590000 | Weld-on chain coupling set 1" | |
| RI590003 | Weld-on chain coupling set 1 1/4" | |
| RI590099 | Weld-on chain coupling set 2" | |
| RI590001 | Bolt-on chain coupling set 1" | |
| RI590002 | Bolt-on chain coupling set 1 1/4" | |

RW45 Mounting Brackets

Other sizes and un-galvanised brackets are also available. Please ask for details.

| CODE | DESCRIPTION | PRICE |
|----------|---------------------------------------|-------|
| RI417645 | RW45 Galv. Right Angle Bracket H=75mm | |
| RI417646 | RW45 Galv. Right Angle bracket H=90mm | |
| RI414970 | RW45 Galv. Flat Bracket B=195mm | |

RW240/400/600 Mounting Brackets

Other sizes and un-galvanised brackets are also available. Please ask for details.

| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| RI417636 | RW240/400/600 Galv. Right Angle Bracket H=90mm | |
| RI413922 | RW240/400/600 Galv. Flat Bracket B=163mm | |

RW240 Motor Gearboxes

Heavy duty gearboxes for a variety of applications with single phase or three phase motors. Available with 2 output shafts for use with chain couplings.

| TYPE | RPM | nM | kW | 230v | 400v |
|-------|-----|-----|------|--------|--------|
| RW241 | 1 | 240 | 0.09 | 1.10 A | 0.41 A |
| RW242 | 2 | 240 | 0.25 | - | 0.70 A |
| RW242 | 2 | 240 | 0.18 | 1.80 A | - |
| RW243 | 3 | 240 | 0.25 | 2.40 A | 0.70 A |
| RW245 | 5 | 240 | 0.37 | 3.00 A | 1.10 A |



RW240 - double output shaft

RW240 with a double sided shaft suitable for chain coupling. 1, 2, 3 or 5 rpm output speed with linear limit switch and emergency stop for maximum of 86 revolutions. Option for installation of a multi-turn potentiometer to give positive feedback for computer control.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------|-------|
| RI532025 | RW241D 1rpm 3ph | |
| RI532410 | RW242 2rpm 3ph | |
| RI532055 | RW243D 3rpm 3ph | |
| RI502320 | RW245 5rpm 3ph | |
| RI532026 | RW241D 1rpm 1ph | |
| RI532406 | RW242 2rpm 1ph | |
| RI502340 | RW243 3rpm 1ph | |
| RI502350 | RW245 5rpm 1ph | |

RW400 Motor Gearboxes

Heavy duty gearboxes for a variety of applications with single phase or three phase motors. Available with 2 output shafts for use with chain couplings.

| TYPE | RPM | nM | kW | 240v | 400v |
|-------|-----|-----|------|--------|--------|
| RW401 | 1 | 400 | 0.12 | - | 0.46 A |
| RW401 | 1 | 400 | 0.18 | 1.80 A | - |
| RW403 | 3 | 400 | 0.37 | 3.00 A | 1.10 A |
| RW405 | 5 | 400 | 0.55 | 4.50 A | 1.40 A |



RW400

RW400 with a double sided shaft suitable for chain coupling. 1, 2, 3 or 5 rpm output speed with linear limit switch and emergency stop for maximum of 86 revolutions. Option for installation of a multi-turn potentiometer to give positive feedback for computer control.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------|-------|
| RI502200 | RW401 1rpm 3ph | |
| RI502292 | RW403D 3rpm 3ph | |
| RI502220 | RW405 5rpm 3ph | |
| RI502294 | RW401D 1rpm 1ph | |
| RI502240 | RW403 3rpm 1ph | |
| RI502250 | RW405 5rpm 1ph | |

RW240/400 Chain Couplings

Bolt and weld-on chain couplings 5/8" x 3/8" x 16 tooth for 1", 1 1/4" and 2" drive shafts. Two sets required per gearbox.

| CODE | DESCRIPTION | PRICE |
|----------|------------------------------------|-------|
| RI590011 | Weld-on chain coupling set 1" & 2" | |
| RI590012 | Weld-on chain coupling set 1 1/4" | |
| RI590016 | Bolt-on chain coupling set 1" | |
| RI590014 | Bolt-on chain coupling set 1 1/4" | |

RIDDER DRIVE SYSTEMS

RW600 Motor Gearboxes

Heavy duty gearboxes for a variety of applications with single or three phase motors. Available with two output shafts for use with chain couplings.

| TYPE | RPM | nM | kW | 230v | 400v |
|-------|-----|-----|------|--------|--------|
| RW603 | 3 | 600 | 0.55 | 4.50 A | 1.40 A |
| RW605 | 5 | 600 | 1.10 | 6.50 A | 2.80 A |



RW600

RW600 motor gearboxes fitted with a double sided shaft suitable for chain couplings. 3 or 5 rpm output speed with linear limit switch and emergency stop for maximum of 86 revolutions. Option for installation of a multi-turn potentiometer to give positive feedback for computer control.

| CODE | DESCRIPTION | PRICE |
|----------|----------------|-------|
| RI502410 | RW603 3rpm 3ph | |
| RI502420 | RW605 5rpm 3ph | |
| RI502440 | RW603 3rpm 1ph | |
| RI502450 | RW605 5rpm 1ph | |



RW600 Chain Couplings

Weld-on chain coupling sets $\frac{5}{8}$ " x $\frac{3}{8}$ " x 16 tooth for 1", 1 $\frac{1}{4}$ " and 2" drive shafts. Two sets required per gearbox.

| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| RI590011 | Weld-on chain coupling set 1" & 2" | |
| RI590012 | Weld-on chain coupling set 1 $\frac{1}{4}$ " | |



RW1000 & RW1400

Extra heavy duty gearboxes providing powerful solutions for driving ventilation and screen systems in a greenhouse.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------|-------|
| RI520101 | RW1000 3rpm 3ph | |
| RI520151 | RW1000 5rpm 3ph | |
| RI520301 | RW1000 3rpm 1ph | |
| RI520201 | RW1400 3rpm 3ph | |



RW1000/RW1400 Chain Couplings

Weld-on chain coupling sets $\frac{3}{4}$ " x 7/16" x 16 tooth for 1", 1 $\frac{1}{4}$ " and 2" drive shafts. Two sets required per gearbox.

| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| RI590051 | Weld-on chain coupling set 1" & 2" | |
| RI590052 | Weld-on chain coupling set 1 $\frac{1}{4}$ " | |

RW1000/RW1400 Mounting Brackets

Mounting brackets including M12 x 110 bolts, nuts and washers for the 50mm post set and M12 x 120 bolts, nuts and washers for the 60mm post set.

| CODE | DESCRIPTION | PRICE |
|----------|------------------------------|-------|
| RI421695 | Mounting Bracket K100-120mm | |
| RI423372 | Mounting Bracket K140-160mm | |
| RI503498 | Mounting Set 50mm RW1400 | |
| RI503496 | Mounting Bracket 60mm RW1400 | |

Torque Tube Bearing Plates

All torque tubes used in commercial greenhouses are made from standard galvanised steel tube. The standard for TU11 rack and pinion systems is 1" nominal bore tube. 1 $\frac{1}{4}$ " tube is used for connecting the heavier duty rack and pinions together.



Bearing Plates 1" (33.7mm OD)

Zinc plated bearing plates with a self lubricating sintered bronze bearing for 1" torque tube. Various sizes listed below, other sizes available on request (including 1 $\frac{1}{4}$ Bearing Plates). Maximum load 500 N.

L = overall length of plate
B = distance from base of plate to centre of bearing

| CODE | DESCRIPTION | PRICE |
|----------|-------------------------|-------|
| RI503086 | L = 95mm B = 62mm | |
| RI503089 | L = 100mm B = 67mm | |
| RI503090 | L = 105mm B = 72mm | |
| RI503095 | L = 110mm B = 77mm | |
| RI503100 | L = 120mm B = 87mm | |
| RI503102 | L = 130mm B = 97mm | |
| RI503101 | L = 140mm B = 107mm | |
| RI503106 | L = 150mm B = 117mm | |
| RI503138 | L = 191.5mm B = 158.5mm | |
| RI503105 | L = 200mm B = 167mm | |
| RI503139 | L = 211.5mm B = 178.5mm | |
| RI503110 | L = 220mm B = 187mm | |



Right Angle Bearing Plates 1"

Zinc plated bearing plates with a self lubricating sintered bronze bearing for 1" torque tube. Various sizes listed below, other sizes available on request (including 1 $\frac{1}{4}$ Bearing Plates). Maximum load 500 N.

H = distance from base of plate to centre of bearing

| CODE | DESCRIPTION | PRICE |
|----------|-------------|-------|
| RI503115 | H = 70mm | |
| RI503119 | H = 75mm | |
| RI503116 | H = 80mm | |
| RI503117 | H = 90mm | |
| RI503118 | H = 100mm | |
| RI503148 | H = 120mm | |
| RI503134 | H = 133.5mm | |
| RI503137 | H = 153.5mm | |



Ridder AXT Grease

High quality ivory-coloured grease for perfect lubrication of slide bearings and rack drives. Suitable for high temperatures (up to 175°C) and high pressures. Water-soluble grease.

| CODE | DESCRIPTION | PRICE |
|----------|----------------|-------|
| RI565020 | AXT Grease 1kg | |
| RI565001 | AXT Grease 5kg | |

Ridder Spheerol Gel

Ridder EPX Gearbox Oil

| CODE | DESCRIPTION | CODE | DESCRIPTION |
|----------|---------------------------|----------|--------------------|
| RI565030 | Spheerol Grease (RW45) 1L | RI565110 | EPX Gearbox Oil 1L |

RIDDER RACK & PINION SYSTEMS



TU11 Pinion Houses

Galvanised steel housing with hardened steel pinion on self-lubricating sintered bronze bearings for 1" (33.7mm OD) torque tubes. Heavy duty plastic rack guide rollers on stainless steel pins.

- TU11-22 is for 22mm high racks, 395-1451mm long
- TU11-30 is for 30mm high racks, 1451-1953mm long

| CODE | DESCRIPTION | PRICE |
|----------|----------------------------|-------|
| RI500010 | TU11-22 Pinion and Housing | |
| RI500030 | TU11-30 Pinion and Housing | |

TU11 Straight Racks

Straight 3mm galvanised pressed steel racks for TU11 system. Supplied with 57mm plain end to stop the rack running out of the pinion housing at full deflection.

L = total length of rack
H = height of side



| CODE | DESCRIPTION | PRICE |
|----------|---------------------|-------|
| RI417567 | L = 390mm H = 22mm | |
| RI417569 | L = 490mm H = 22mm | |
| RI417571 | L = 591mm H = 22mm | |
| RI417573 | L = 691mm H = 22mm | |
| RI418080 | L = 792mm H = 22mm | |
| RI418082 | L = 892mm H = 22mm | |
| RI418085 | L = 1043mm H = 22mm | |
| RI418089 | L = 1244mm H = 22mm | |
| RI418093 | L = 1445mm H = 22mm | |
| RI413973 | L = 1646mm H = 30mm | |
| RI413979 | L = 1747mm H = 30mm | |

TU11 Racks Curved In

3mm galvanised pressed steel racks curved in towards the teeth. Used to allow additional clearance over straight racks. Radius of curve 1000mm. Other radii on request.

L = total length of rack (measured around the curve)
H = height of side



| CODE | DESCRIPTION | PRICE |
|----------|---------------------|-------|
| RI418206 | L = 591mm H = 22mm | |
| RI418208 | L = 691mm H = 22mm | |
| RI418105 | L = 1043mm H = 22mm | |
| RI418109 | L = 1244mm H = 22mm | |
| RI416516 | L = 1445mm H = 30mm | |
| RI416519 | L = 1747mm H = 30mm | |



TU11 Window Connector

To connect the end of a TU11 rack onto a window/ventilator. Supplied complete with stainless steel pivot bolt and lock nut.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------------|-------|
| RI500021 | TU11 Window Connector | |

TR520S Rack and Pinion System

Rack and pinion system with a 2.76:1 reduction for operating truss rail ventilation system in Venlo greenhouses. Maximum input torque 37.7nM. Maximum output force 5200 N.



TR520S Pinion Housings

Galvanised steel pinion housing for use with 16mm wide solid steel TR520S racks. Housing available in either 40 or 60mm (standard) height from base to centre of coupling bolt hole in rack.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------|-------|
| RI540000 | TR520S H = 60mm | |
| RI540100 | TR520S H = 40mm | |

TR520S Racks

Galvanised 16mm wide solid steel racks type mb4/16 for use with TR520S pinion housings.

| CODE | DESCRIPTION | PRICE |
|----------|-------------|-------|
| RI406244 | L = 1050mm | |
| RI416549 | L = 1250mm | |
| RI416745 | L = 1400mm | |
| RI416748 | L = 1550mm | |
| RI418931 | L = 1700mm | |



TR520S Rack Coupling Plates

Couplings for connecting 16mm TR520S racks to 27 or 32mm push/pull tubes.

| CODE | DESCRIPTION | PRICE |
|----------|-------------------------------------|-------|
| RI416489 | TR520S Coupling Plate for 27mm Tube | |
| RI416490 | TR520S Coupling Plate for 32mm Tube | |

TR1000S Rack and Pinion System

A heavy duty version of the TR520S rack and pinion system with a 2.76:1 reduction for operating truss rail ventilation system in Venlo greenhouses. Maximum input torque 58nM. Maximum output force 8000 N.



TR1000S Pinion Housings

Galvanised steel pinion housing for use with 20mm wide solid steel TR520S racks. Housing available in either 40 or 60mm (standard) height from base to centre of coupling bolt hole in rack.

| CODE | DESCRIPTION | PRICE |
|----------|------------------|-------|
| RI540050 | TR1000S H = 60mm | |
| RI540150 | TR1000S H = 40mm | |

TR1000S Racks

Galvanised 20mm wide solid steel racks type mb4/20 for use with TR1000S pinion housings.

| CODE | DESCRIPTION | PRICE |
|----------|-------------|-------|
| RI416921 | L = 1050mm | |
| RI416919 | L = 1250mm | |
| RI416922 | L = 1400mm | |
| RI416920 | L = 1550mm | |
| RI416924 | L = 1700mm | |

TR1000S Rack Coupling Plates

Couplings for connecting 20mm TR1000S racks to 27mm push/pull tubes.

| CODE | DESCRIPTION | PRICE |
|----------|--------------------------------------|-------|
| RI418736 | TR1000S Coupling Plate for 27mm Tube | |

RIDDER RACK & PINION SYSTEMS

TR520S & TR1000S Accessories



TR520S/TR1000S Weld-on Slide Couplings

Couplings for 1" or 1 1/4" torque tube which slide onto TR520S/TR1000S input shaft at other end.

| CODE | DESCRIPTION | PRICE |
|----------|----------------------------------|-------|
| RI401635 | TR520S x 1" Coupling | |
| RI421978 | TR520S/TR1000S x 1 1/4" Coupling | |
| RI419404 | TR520S x 1" Bolt Coupling | |

TR520S/TR1000S Chain Couplings

Chain coupling sets for connecting TR520S/1000S to 1 1/4" (42.4mm OD) torque tube. Each TR520S/1000S pinion shaft requires one chain wheel and one weld-on chain coupling set complete with 3/8" x 3/8" x 16 tooth duplex chain.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------------------------|-------|
| RI416881 | TR520S/1000S Shaft Chain | |
| RI590012 | Weld-on chain coupling set 1 1/4" | |



TR10i/24 Rack & Pinion System

Rack and pinion system for operating swinging ventilation system in Venlo greenhouses with gutter distance of 3.2m.

Rack & Pinion with Fork Mounting

| CODE | DESCRIPTION | PRICE |
|----------|---|-------|
| | Galvanised steel pinion housing with 1:1 reduction ratio and steel rack. Mounting fork bolts to gutter. | |
| RI500310 | TR10i S = 750mm fork | |
| RI500314 | TR10i S = 900mm fork | |

Rack & Pinion with Universal Mounting

| CODE | DESCRIPTION | PRICE |
|----------|---|-------|
| | Galvanised steel pinion housing with 1:1 reduction ratio and steel rack. Hinged universal mounting bolts to gutter. | |
| RI500312 | TR10i S = 750mm universal | |

Reversing Rack & Pinion with Fork Mounting

| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| | Galvanised steel pinion housing with 1:1 reduction ratio and steel rack. Additional gear wheel to reverse operating direction for systems where windward and leeward vents need to be driven by a single motor. Mounting fork bolts to gutter. | |
| RI500330 | TR10i reversible S = 750mm | |

Reversing R. & Pinion - Universal Mounting

| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| | Galvanised steel pinion housing with 1:1 reduction ratio and steel rack. Additional gear wheel to reverse operating direction for systems where windward and leeward vents need to be driven by a single motor. Hinged universal mounting bolts to gutter. | |
| RI500332 | TR10i reversible S = 750mm universal | |

TR10i/24 Weld-on Slide Couplings

Couplings for 1" or 1 1/4" torque tube which slide onto TR10i input shaft at other end.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------------------|-------|
| RI401635 | TR10 x 1" Weld Coupling | |
| RI421978 | TR10 x 1 1/4" Weld Coupling | |



TR25i/24 Rack & Pinion System

Rack and pinion system for operating swinging ventilation system in Venlo greenhouses. Galvanised steel pinion housing with 2.76:1 reduction ratio and steel rack.

Rack & Pinion with Fork Mounting

| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| | Mounting fork bolts to gutter. Gutter spacing 3.2m | |
| RI500510 | TR25i S = 750mm fork | |
| RI500511 | TR25i S = 900mm fork | |
| | Mounting fork bolts to gutter. Gutter spacing 4.0m | |
| RI500514 | TR25i S = 750mm fork | |
| RI500516 | TR25i S = 900mm fork | |

Rack & Pinion with Universal Mounting

| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| | Hinged universal mounting bolts to gutter. Gutter spacing 3.2m | |
| RI500512 | TR25i S = 750mm universal | |
| | Hinged universal mounting bolts to gutter. Gutter spacing 4.0m | |
| RI500541 | TR25i S = 900mm universal | |

TR25i/24 Weld-on Slide Couplings

Couplings for 1" or 1 1/4" torque tube which slide onto TR25i input shaft at other end.

| CODE | DESCRIPTION | PRICE |
|----------|-------------------------------|-------|
| RI401635 | Weld coupling for 1" tube | |
| RI419404 | Bolt-on coupling for 1" tube | |
| RI421978 | Weld coupling for 1 1/4" tube | |

HRS Reverse Starters

Control units with overloads for connecting Ridder RW series single or three phase motors. Forward, reverse and off switch positions. Provided with terminals for limit and safety switches and 24V DC external control. (24V AC external control extra). Also available with timeclock - please ask for details.

| CODE | DESCRIPTION | SUITABLE FOR: | PRICE |
|---------|--------------------------|---------------------------|-------|
| RIECH1D | HRS 1-ph 1.0 - 1.5 Amp | RW45 (-3.5) | |
| RIECH1E | HRS 1-ph 1.4 - 2.1 Amp | RW401, RW242 | |
| RIECH1F | HRS 1-ph 1.8 - 2.7 Amp | RW243 | |
| RIECH1G | HRS 1-ph 2.4 - 3.6 Amp | RW245, RW403 | |
| RIECH1H | HRS 1-ph 3.4 - 5.0 Amp | RW405, RW603 | |
| RIECH1K | HRS 1-ph 5.5 - 8.5 Amp | RW605, RW1000 | |
| RIECH3B | HRS 3-ph 0.45 - 0.67 Amp | RW45 (-3.5), RW241, RW401 | |
| RIECH3C | HRS 3-ph 0.67 - 1.0 Amp | RW243 | |
| RIECH3D | HRS 3-ph 1.0 - 1.5 Amp | RW245, RW403 | |
| RIECH3E | HRS 3-ph 1.4 - 2.1 Amp | RW405, RW603 | |
| RIECH3G | HRS 3-ph 2.4 - 3.6 Amp | RW605 | |
| RIECH3K | HRS 3-ph 5.5 - 8.5 Amp | RW1000-5, RW1400-3 | |

Shaft Retaining Clip

A stainless steel clip which holds the torque tube in place between pinion housings. The clip can be removed to allow removal of the torque tube.

Mounting Washer

A heavy duty square mounting washer, 45mm x 45mm which fits under the trellis girder to prevent distortion when mounting TR520S or TR1000S.

| CODE | DESCRIPTION | PRICE |
|----------|-----------------|-------|
| RI418694 | Shaft Clip | |
| RI412815 | Mounting Washer | |

SVENSSON® SHADING SCREENS

Harmony: High grade light diffusion

Many Harmony screens have an open structure improving their cooling and shading performance, especially in greenhouses with vents. But some have a closed structure. In the evening this slows down any sudden loss of greenhouse heat and reduces the risk of condensation on the crop. And at night, it saves energy.

The benefits of Harmony

- High grade light diffusion actively scatters the sunlight to reach deeper - and more evenly into the crop.
- Less risk of burning and more light exposure at a cooler temperature.
- Improved productivity and stronger healthier plants due to more even light distribution to upper and lower sections of the crop.
- A gentle and effective environment not only for plants - but also the people working in the greenhouse.
- Increased crop quality due to lower temperature of the fruit or flower.

What else can you expect

- A long service life - thanks to their resistance to harsh temperatures.
- Small bundle sizes - thanks to our unique knitting techniques.
- Favourable humidity control - this means that condensation is less likely to form on the underside of an indoor screen and less likely to drop on your plants.
- A variety of flame retardant levels - many of these meet the industry's highest fire safety standards.

Complete design and installation service

- **Materials can be cut and sewn to almost any width and length**
- **Please call for further information and prices**

Screen Peg

For fastening material to a wire, leading edge etc.



Screen Hook

For securing screen material at the sides.



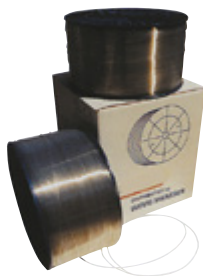
S-Hook

Connects the screen to a wire.



Nylon Monofil Wire

- 2.5mm diameter
- 1800m on a reel
- Elongation to break: 8%
- Fully transparent
- Tear resistance: 220kgF



| CODE | DESCRIPTION | PACK | PRICE |
|------------|---------------------------|------|-------|
| SDR1031100 | Screen Peg | 100 | |
| SDR0131050 | Screen Hook | 100 | |
| SDR1031105 | S-Hook | 100 | |
| HORSNL | 1800m Nylon Monofil 2.5mm | 1 | |

Harmony: closed structure, flame retardant

| CODE | | ENERGY SAVING | SHADING LEVEL | | PER M ² |
|---|--|---------------|---------------|-------|--------------------|
| | | | DIRECT | DIFF. | |
| TSMHAR2747FR Std widths: 4.70, 5.30m | | 47% | 27% | 36% | |
| TSMHAR3647FR Std widths: 4.30, 5.30m | | 47% | 36% | 44% | |
| TSMHAR4647FR Std widths: 3.35, 4.30, 4.70, 5.30m | | 47% | 46% | 53% | |
| TSMHAR5747FR Std widths: 3.35, 4.30, 4.70m | | 47% | 57% | 62% | |
| TSMHAR7247FR Std widths: 4.70m | | 47% | 72% | 73% | |

Harmony: open structure, flame retardant

| CODE | | ENERGY SAVING | SHADING LEVEL | | PER M ² |
|--|--|---------------|---------------|-------|--------------------|
| | | | DIRECT | DIFF. | |
| TSMHAR2515OFR Std widths: 4.30, 4.70m | | 15% | 23% | 30% | |
| TSMHAR3315OFR Std widths: 4.30, 4.70, 5.30m | | 15% | 33% | 39% | |
| TSMHAR4515OFR Std widths: 4.30, 4.70, 5.30m | | 15% | 42% | 46% | |
| TSMHAR5220OFR Std widths: 4.70, 5.30m | | 20% | 52% | 56% | |



RB Series Tubular Motors

Tubular motors with noiseless, maintenance free transmissions and single phase electric motors for rolling screen systems. The motor fastens inside the end of the rolling screen tube and has a square shaft to locate on a guide carriage which runs up and down an aluminium guide rail.



RB50E is tubular motor with electronic limit switch and high water resistance (IP55).

| CODE | DESCRIPTION | PRICE |
|-----------------|--------------------------------|-------|
| RI550018 | RB40-11 0.26kW 11rpm | |
| RI550032 | RB50E-3.5 0.16kW 3.5rpm | |
| RI550180 | RB120-11 0.48kW 11rpm | |
| RI275510 | RMC50 Motor Control Unit | |

CLEANING & SHADING

Jet 5° Disinfectant

A powerful disinfectant, recognised as a food grade sanitiser with organic status, containing peroxyacetic acid, for use in all areas of horticulture and agriculture for the disinfection of all surfaces including glasshouses, tools, pots, trays, benches, equipment, paths, buildings, stores and irrigation systems.

Guide rate: 1 in 125 dilution but can vary if required.



| CODE | DESCRIPTION | SIZE | PRICE |
|---------|-------------|------|-------|
| ZJET55L | Jet 5° | 5L | |

GS-4®

Horticultural Glass Cleaner

GS-4 is a glass cleaner suitable for glass greenhouses. GS-4 contains no hydrogen fluoride gas and has virtually no vapour effect. This is why GS-4 is safer for humans and the environment.

Advantages:

- Removes dirt such as soot, dust and algae.
- Suitable for use on the inside and outside of glass greenhouses.
- Will not roughen the glass surface.
- Contains ammonium bifluoride instead of hydrogen fluoride gas.
- Has virtually no vapour action.
- Is therefore safer for humans and the environment.



Dilute 1L in between 5 and 20L of water depending on the dirtiness of glass.

| CODE | DESCRIPTION | SIZE | PRICE |
|---------|-------------|------|-------|
| ZGS420L | GS4 | 20L | |

Polytex Pro UPVC, POLYTUNNEL & PLASTIC SURFACE CLEANER

A unique high energy cleaning and decontaminating fluid. Polytex is an acid and bifluoride free solution which gently removes green slime, soot, traffic film, grease, pesticide and chemical residues from upvc, polytunnels, plastic, conservatories and painted surfaces.

Coverage: 8-12m² per litre of diluted product.

Not to be used on glass surfaces.



Algiclear Pro GREEN ALGAE REMOVER - SUPER CONCENTRATE

Algiclear is a concentrated, environmentally sensitive, curing and preventative treatment which kills algae, moss and liverwort on all hard surfaces.

Coverage: 8-12m² per litre of diluted product.

Fully registered as a surface biocide under COPR and HSE 6835.

Does not change the colour of the surface, nor does it form a film and as such is UV stable (does not turn yellow).



| CODE | DESCRIPTION | SIZE | PRICE |
|---------|---------------|------|-------|
| ZALGI5L | Algiclear Pro | 5 L | |
| ZPOLY5L | Polytex Pro | 5 L | |

ReduSol®

Universal Shading Agent

ReduSol is a liquid shading agent for use in greenhouse horticulture that can be easily removed with ReduClean after the season.

Advantages:

- White even coating.
- Adjustable shading levels.
- Easy to apply.
- Highly resistant to wear.
- Diffuse light.
- Higher light transmission when wet.
- Easy to remove with ReduClean.
- Safe for humans and for the environment.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------|------|-------|
| ZREDX20K | ReduSol | 20kg | |

ReduHeat®

Selective High-Tech Shading Agent

ReduHeat is a liquid shading agent that transmits a significant amount of growth light (PAR) and reflects radiation (NIR) to a large extent.

Advantages:

- Improved light/heat ratio.
- Diffuse light.
- Adjustable shading levels.
- Highly wear resistant.
- Easy to remove with ReduClean.
- Safe for humans and the environment.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------|------|-------|
| ZREDH15K | ReduHeat | 15kg | |

ReduFuse®

Solution for Diffused Light

ReduFuse contains a special pigment with the extraordinary property of diffusing sunlight, while retaining a very high light transmission level. Redufuse IR has the added advantage of high reflection of heat radiation (infrared).

Advantages:

- More photosynthesis, even at the bottom of the plant
- Higher yield and better quality



| CODE | DESCRIPTION | SIZE | PRICE |
|------------|-------------|------|-------|
| ZREDF15K | ReduFuse | 15kg | |
| ZREDFIR15K | Redufuse IR | 15kg | |

ReduClean®

For Removing ReduSol, ReduHeat & ReduFuse

ReduClean is developed for removing ReduSol or ReduHeat from glass, plastic film, polycarbonate or acrylate.

Advantages:

- High cleaning effect.
- Easy and economical in use.
- Safe for humans and the environment.



| CODE | DESCRIPTION | SIZE | PRICE |
|----------|-------------|------|-------|
| ZREDC20L | ReduClean | 20L | |

HORTICULTURAL GLASS & ACCESSORIES

Horticultural Glass

In stock all year round!

Sold by the crate which can be delivered locally or collected from our yard. For deliveries further afield glass is transported at your own risk as insurance for transporting glass is impossible to obtain these days. Prices are ex works and per crate.

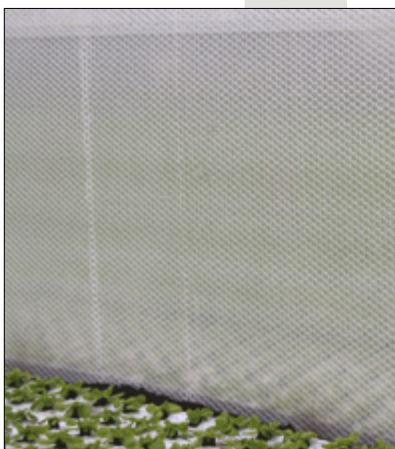
The uncertain weather conditions we experience can sometimes lead to a rush in demand and hence stretch our resources. Therefore, it is advisable that growers keep their own stock on their nursery.



| CODE | SIZE | THICK | CRATE | EACH | CRATE |
|------------|---------------|-------|-------|------|-------|
| G610/610 | 24" x 24" | 3mm | 430 | | |
| G1000/788 | 1000 x 788mm | 4mm | 45 | | |
| G1000/997 | 1000 x 997mm | 4mm | 45 | | |
| G1190/788 | 1190 x 788mm | 4mm | 45 | | |
| G1650/730 | 65" x 28¾" | 4mm | 45 | | |
| G1650/997 | 1650 x 997mm | 4mm | 45 | | |
| G1650/1122 | 1650 x 1122mm | 4mm | 45 | | |
| G1676/730 | 66" x 28¾" | 4mm | 45 | | |

Bubble Film

Our polyethylene bubble film has been specifically designed with glasshouse insulation in mind. It is manufactured from 3-ply laminate of fully UV stabilised polyethylene films with the middle ply containing trapped air bubbles. This film can be fixed either inside or outside the greenhouse. It can help to reduce heating costs by as much as 45% by keeping warm air in and cold air out. As the temperature outside falls the many sealed air pockets retain the heat.



Please call for quantity discounts and carriage prices.

| CODE | DESCRIPTION | PRICE |
|-------|------------------------|-------|
| BUB15 | Bubble Film 1.5m x 50m | |
| BUB24 | Bubble Film 2.4m x 50m | |

Alliplugins



| CODE | DESCRIPTION | PRICE |
|------|---|-------|
| AGS | Super Alliplugin [PK500] | |
| AGE | Super Alliplugin Extender [PK500] | |

Glasshouse Maintenance Aid

- Powder coated finish
- Strong tubular frame
- Fitted footrests
- Easy to manoeuvre along valley of glasshouse
- Gives added stability to worker using power washer etc.
- Safety chain at rear
- Hooks fitted to hold washing lance
- Aluminium version also available

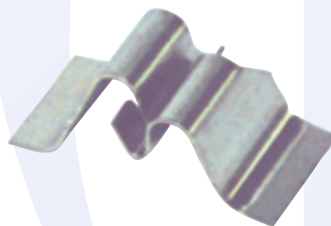
Personnel frame: 650(L) x 650(W) x 750(H) mm

Overall size: 2800(L) x 1000(W) x 750(H) mm



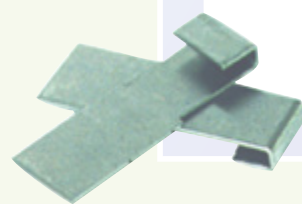
| CODE | DESCRIPTION | PRICE |
|-------|----------------------------|-------|
| GLAMA | Glasshouse Maintenance Aid | |

Glazing Clip - 'W'



| CODE | PACK | PRICE |
|--------|------|-------|
| GLA064 | 100 | |

Glazing Clip



| CODE | PACK | PRICE |
|--------|------|-------|
| GLA112 | 100 | |

Glass Lifter - Single



| CODE | PRICE |
|--------|-------|
| GLA078 | |

Glass Lifter - Double



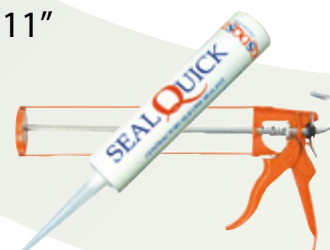
| CODE | PRICE |
|--------|-------|
| GLA077 | |

Glass Cutter



| CODE | PRICE |
|-----------|-------|
| GLABO1000 | |




Silicone Sealant & Gun 11"



| CODE | PRICE |
|-----------------|-------|
| SEASS - Sealant | |
| SEASSG - Gun | |

GLASSHOUSE HOOKS, WIRE & PULLEYS

Glasshouse Pulleys

| CODE | | PULLEY | PRICE |
|--------|---|--------------------------------|-------|
| GLAP2S |  | 2" Single Wheel (Nylon) | |
| GLAP2D |  | 2" Double Wheel (Nylon) | |
| GLAPS | as below but without Bolt Eye | Small Vent Pulley | |
| GLAPSB |  | Small Vent Pulley c/w Bolt Eye | |

3' Vent Retaining Wire c/w Ferrule



| CODE | PRICE |
|------|-------|
| WR3F | |

Nylon Vent Guider - Block only



| CODE | PRICE |
|--------|-------|
| GLA123 | |

Wire Strainer



| CODE | PRICE |
|---------------|-------|
| GLA132 - No.2 | |
| GLA133 - No.3 | |

Barrel Strainer



| CODE | PRICE |
|----------------|-------|
| GLABAR06 - 6mm | |
| GLABAR08 - 8mm | |

Chain

For supporting heating pipes, heaters, fans, crop wires etc.



| CODE | WORKING LOAD | IDEAL FOR... | LENGTH | PRICE/M |
|-------|--------------|--------------|---|--------------|
| CHV22 | 2 mm | 40 kg | Victor Chain PVC Pipe, Fans, Heaters etc. | 30m per hank |

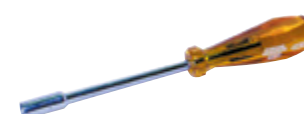
Bulldog Grips



| CODE | PRICE |
|--------------------------|-------|
| GLABG03 - 3mm (7mm nuts) | |
| GLABG05 - 5mm (8mm nuts) | |
| GLABG06 - 6mm (8mm nuts) | |

Socket Driver

Extra deep sockets to reach nuts through which bolts protrude.



| CODE | PRICE |
|----------------|-------|
| CK433407 - 7mm | |
| CK433408 - 8mm | |

Wire Rope

6x19 Galvanised Wire Rope.

Also available on request 7x19 Stainless Steel Rope.



| CODE | DIAMETER | COIL | PRICE |
|------|----------|------|-------|
| WR3 | 3 mm | 100m | |
| WR4 | 4 mm | 100m | |
| WR5 | 5 mm | 100m | |
| WR6 | 6 mm | 100m | |

Galvanised Wire

For sprayline systems and crop support plus many other uses.



| CODE | GAUGE | METRES/KG | COIL | PRICE |
|----------|----------------|-----------|------|-------|
| WG1025 | 10G (3.15mm) | 14 | 25kg | |
| WG1205 | 12G (2.50mm) | 20 | 5kg | |
| WG1225 | 12G (2.50mm) | 20 | 25kg | |
| WG1225HT | 12G Hi Tensile | 20 | 25kg | |

S-Hooks

All purpose bright galvanised.



Vent/Screen Winch

Ideal for ventilation winching and up and down movement of heaters. Easy and smooth action, hand operated self-locking brake winch.



| CODE | SIZE | PRICE |
|--------|------------|-------|
| GMSH25 | 3.0 x 25mm | |
| GMSH30 | 3.0 x 30mm | |
| GMSH35 | 4.0 x 35mm | |
| GMSH40 | 4.4 x 40mm | |
| GMSH45 | 5.0 x 45mm | |

| CODE | MAX. LOAD | PRICE |
|--------|-----------|-------|
| GLA084 | 272kg | |
| GLA081 | 500kg | |
| GLA085 | 680kg | |

XL TUNNEL COVERS

SunMaster Clear & Diffused

Use this film for:

All crops where colour, especially red and blue is important.

- Vegetables
- Flowers
- Over wintered nursery stock where only slight frost protection is required

Use this film for:

All crops where colour, especially reds and blues is important.

- Vegetables
- Flowers
- Soft fruit
- Over wintered nursery stock where only light frost protection is required



| SPECIFICATIONS | |
|-------------------------|------------------|
| UV Guarantee | 5 years |
| Life expectancy | 8+ years |
| Polymer make up | m-LLDPE, PE, EVA |
| Diffusion (400-700 nms) | 25% |
| Total UV (300-390 nms) | 60% |
| Thermicity | N/A |
| Temperature reducing | No |
| Anti drip | AF/AD yes |
| Light transmission | ~91% |
| Appearance | Clear |
| Puncture resistance | 1000 gms |
| Stretch before break | 600% |

| SPECIFICATIONS | |
|-------------------------|------------------|
| UV Guarantee | 5 years |
| Life expectancy | 8+ years |
| Polymer make up | m-LLDPE, PE, EVA |
| Diffusion (400-700 nms) | 60% |
| Total UV (300-390 nms) | 60% |
| Thermicity | N/A |
| Temperature reducing | Yes |
| Anti mist/drip | AF/AD yes |
| Light transmission | ~89% |
| Appearance | Milky white |
| Puncture resistance | 1000 gms |
| Stretch before break | 600% |

| FILM WIDTH | 7.3m | 9.2m | 11.1m | 14m |
|--|------|------|-------|-----|
| per linear metre | | | | |
| Prices quoted are for rolls 20m or more in length, call for prices less than 20m | | | | |

SunMaster Cool

Suitable for sheep, chickens, storage and shrubs.

SunMaster Cool has replaced Stockmaster White and has been designed for growing plants that like to be kept cool in the summer but still like lots of light. SunMaster Cool uses the latest microfine Aluminium diffuser which makes your tunnel ~25% cooler in bright sunlight than a clear film.

Useful also for animal houses and for storage.

| SPECIFICATIONS | |
|-------------------------|-----------------|
| UV Guarantee | 6 years |
| Life expectancy | ~10 years |
| Polymer make up | m-LLDPE, EVA |
| Diffusion (400-700 nms) | 50% |
| Total UV (300-390 nms) | 50% |
| Thermicity | <17% |
| Temperature reducing | Yes |
| Anti drip | AF/AD yes |
| Light transmission | ~80% |
| Appearance | Light Aluminium |
| Puncture resistance | 1200 gms |
| Stretch before break | 600% |

| FILM WIDTH | 8m | 10m | 12m | 14m |
|--|----|-----|-----|-----|
| per linear metre | | | | |
| Prices quoted are for rolls 20m or more in length, call for prices less than 20m | | | | |

Carriage (standard): £10 per delivery - UK mainland only, excludes Scottish Highlands and Islands.

SunMaster SuperThermic

Use this film for:

All crops which will be heated. All crops where colour, especially reds and blues is important.

- Vegetables
- Flowers
- Soft fruit
- Bedding plants
- Over wintered nursery stock where frost protection is required



| SPECIFICATIONS | |
|-------------------------|--------------|
| UV Guarantee | 5 years |
| Life expectancy | 8+ years |
| Polymer make up | m-LLDPE, EVA |
| Diffusion (400-700 nms) | 45% |
| Total UV (300-390 nms) | >60% |
| Thermicity | <8% |
| Temperature reducing | Yes |
| Anti mist/drip | AF/AD yes |
| Light transmission | ~89% |
| Appearance | Clear |
| Puncture resistance | 1200 gms |
| Stretch before break | 600% |

SteriLite SuperThermic

Use this film for:

All crops which are to be heated.

- Where the advantages of the UV blocking IPM will be of an advantage i.e. organic growing
- Vegetables
- Flowers
- Fruit
- Bedding plants
- Over wintered nursery stock where frost protection is required



| SPECIFICATIONS | |
|-------------------------|--------------|
| UV Guarantee | 5 years |
| Life expectancy | 8+ years |
| Polymer make up | m-LLDPE, EVA |
| Diffusion (400-700 nms) | 45% |
| Total UV (300-390 nms) | >1% |
| Thermicity | <8% |
| Temperature reducing | Yes |
| Anti mist/drip | AF/AD yes |
| Light transmission | ~89% |
| Appearance | Clear |
| Puncture resistance | 1200 gms |
| Stretch before break | 600% |

| FILM WIDTH | 7.3m | 9.2m | 11.1m | 14m |
|--|------|------|-------|-----|
| per linear metre | | | | |
| Prices quoted are for rolls 20m or more in length, call for prices less than 20m | | | | |

Side Vent Film



| FILM WIDTH | 2m | 2m Pocketed | 3m |
|---|----|-------------|----|
| per linear metre | | | |
| Minimum length is 30m. SVF is SunMaster specification | | | |

Tunnel Accessories

| CODE | DESCRIPTION | IMAGE | PRICE |
|--------|-------------------------------------|-------|-------|
| TAHS20 | 19mm x 20m Anti-Hotspot Tape | | |
| TAHS30 | 30mm x 20m Anti-Hotspot Tape | | |
| TAHS50 | 50mm x 20m Anti-Hotspot Tape | | |
| TAHSRT | 50mm x 50m Anti-Hotspot Repair Tape | | |
| RT050 | 50mm x 25m Tunnel Repair Tape | | |
| RT075 | 75mm x 25m Tunnel Repair Tape | | |
| RT100 | 100mm x 25m Tunnel Repair Tape | | |
| RT150 | 150mm x 25m Tunnel Repair Tape | | |
| RT300 | 300mm x 25m Tunnel Repair Tape | | |

VISQUEEN TUNNEL COVERS



VISQUEEN
LUMISOL

Lumisol "Clear" 5S 180mu

Clear film incorporating UV "Transparent" characteristic. Transmits a high % of UV light which can assist the Colour, Flavour & Fragrance in a wide range of flowers & fruit crops.

Light Transmission $\geq 91\%$
Thermicity $\geq 80\%$
Diffusion $\geq 35\%$

| FILM WIDTH | 7.3m | 9.2m | 11.1m | 14m |
|------------------|------|------|-------|-----|
| per linear metre | | | | |

Lumisol "Diffused" 5S 180mu

Very high diffusing cover incorporating UV "Transparent" characteristic. Transmits a high % of UV light which can assist the Colour, Flavour & Fragrance in a wide range of flowers & fruit crops.

Light Transmission $\geq 88\%$
Thermicity $> 80\%$
Diffusion $> 90\%$

| FILM WIDTH | 7.3m | 9.2m | 11.1m | 14m |
|------------------|------|------|-------|-----|
| per linear metre | | | | |

White UVI 5S 180mu

Cover with shade producing properties for use growing nursery stock. 5 season life.

Light Transmission 60-70%
Thermicity $> 55\%$
Diffusion $> 85\%$

| FILM WIDTH | 9.2m | 11.1m | 12.5m | 15m |
|------------------|------|-------|-------|-----|
| per linear metre | | | | |

Green / White 5S 180mu

Complete opacity cover formulated for Mushroom growers. 5 season life.

Light Transmission $< 2\%$
Thermicity $> 55\%$
Reflectivity $> 75\%$

| FILM WIDTH | 14m |
|------------------|-----|
| per linear metre | |

Minimum cut length is 10 metres.
There is an additional £10 per roll "Set-up" charge for rolls of 15m or less.

Carriage (standard): £48 per delivery for orders less than £1,000+VAT (free of charge over £1K) - UK mainland only, excludes Scottish Highlands and Islands.

VISQUEEN

POLYTHENE FILMS

Clear Polythene

Low cost horticultural covering. General purpose - use on capillary beds, for partitioning and dust protection etc.



| CODE | GAUGE/μM | WIDTH | LENGTH | PRICE |
|-------------|----------|-------|--------|-------|
| POLZC022010 | 80 / 20 | 2.00m | 100m | |
| POLZC023010 | | 3.00m | 100m | |
| POLZC023210 | | 3.20m | 100m | |
| POLZC033010 | 120 / 30 | 3.00m | 100m | |
| POLZC052010 | 200 / 50 | 2.00m | 100m | |

Propagation Film Milky White

For covering cuttings and also soil covering - light reflective.

| CODE | GAUGE/μM | WIDTH | LENGTH | PRICE |
|-------------|----------|-------|--------|-------|
| POLZM023610 | 80 / 20 | 3.60m | 100m | |
| POLZM034010 | 120 / 30 | 4.00m | 100m | |

Black Polythene

For soil covering and mulching etc. Provides excellent weed control and keeps soil moist.

| CODE | GAUGE/μM | WIDTH | LENGTH | PRICE |
|-------------|----------|-------|--------|-------|
| POLZB051510 | 200 / 50 | 1.50m | 100m | |
| POLZB054010 | | 4.00m | 100m | |

Micro-Perforated Polythene

| CODE | GAUGE/μM | WIDTH | LENGTH | PRICE |
|--|----------|-------|--------|-------|
| BLACK: For covering capillary matting to help stop drying out and suppress algae growth. | | | | |
| POLZBP031210 | 120 / 30 | 1.20m | 100m | |
| POLZBP031510 | | 1.50m | 100m | |
| POLZBP031525 | | 1.65m | 500m | |
| POLZBP032010 | | 2.00m | 100m | |
| POLZBP032125 | | 2.10m | 500m | |
| WHITE: Same advantages as the black, but with light reflective properties. | | | | |
| POLZWP031525 | 120 / 30 | 1.50m | 250m | |
| POLZWP032150 | | 2.10m | 500m | |

Micro-Perforated Symbol Sheet

Four different spacing systems, each with its own symbol to permit easy and accurate spacing of pots.

Dot - 124mm C2C - Pots 74.7m²
 Circle - 142mm C2C - Pots 57.7m²
 Triangle - 166mm C2C - Pots 42.9m²
 Square - 199mm C2C - Pots 30.2m²



| CODE | GAUGE/μM | ROLL WIDTH | ROLL LENGTH | PRICE |
|--------------|----------|------------|-------------|-------|
| POLSYM200300 | 160 / 40 | 2.00m | 300m | |

Black/White & Dense White Floor Polythene

For use as glasshouse floor covering in rockwool growing and as nutrient channel for NFT systems.



| CODE | GAUGE/μM | ROLL WIDTH | ROLL LENGTH | PRICE |
|--------|----------|------------|-------------|-------|
| POL... | various | various | | |

Anti-condensate Energy Screens (50μM)

A specialist and seasonal film for energy saving with anti-fog properties, especially in salad crops. Available perforated or un-perforated.

Standard widths : 1.75m; 2.00m; 2.50m; 3.30m; 3.50m; 4.25m;
 : 4.80m; 5.30m; 6.80m

Perforations : hole diameter 6mm
 : 10x10; 10x20; 20x20; 20x40; 40x40
 : other perforation patterns available
 : pre-cut sheets at length of greenhouse available

| CODE | GAUGE/μM | ROLL WIDTH | ROLL LENGTH | PRICE / m ² |
|---------|----------|------------|-------------|------------------------|
| POLAC50 | 200 / 50 | various | | |

CO₂ Layflat Tubing (85μM)

Used to distribute CO₂ around the greenhouse. Increased CO₂ levels in your greenhouse will help increase both the size and weight of fruit as well as increasing uniformity of ripening in crops such as tomatoes.

Also available to order with "hanging" holes for suspension.



| CODE | DIAMETER | SPACING | LENGTH | PRICE |
|-------------|----------|---------|--------|-------|
| POLCL658020 | 65mm | 20cm | 500m | |
| POLCL658030 | 65mm | 30cm | 500m | |
| POLCL658000 | 65mm | BLIND | 500m | |
| POLCL948020 | 94mm | 20cm | 500m | |
| POLCL948030 | 94mm | 30cm | 500m | |
| POLCL948000 | 94mm | BLIND | 500m | |

GROUNDCOVER & CAPILLARY MATTING

Permatex Blue Grid Premium Groundcover 100gsm

Features:

- Exceptional weed suppression without spraying
- Excellent water permeability maintains moisture levels without puddling
- Easy installation and maintenance
- Puncture and tear resistant - can handle machine and pedestrian traffic
- UV stabilised
- Can last over 40 years when covered with a mulch



| CODE | WIDTH | LENGTH | PRICE |
|------------|-------|--------|-------|
| GCP100100 | 1.00m | 100m | |
| GCP200100 | 2.00m | 100m | |
| GCP330100F | 3.30m | 100m | |
| GCP420100F | 4.20m | 100m | |
| GCP515100F | 5.15m | 100m | |

Ground Cloud is a new **Capillary Matting** that provides water retention, great durability and superb value, *engineered for modern growing!*



Raining value

- Reducing frequency of irrigation
- Reducing groundwater contamination by controlling run off
- Uniform fibre layer provides an even distribution of water, encouraging:
 - Uniform crops
 - Development of healthy root systems

Specifications:

- Proven to hold 2.5 litres/m² - helping to provide leading water retention
- Weight: 275g/m²
- Thickness: 4.0mm (+/- 0.5mm)
- Polypropylene layer - provides durability and strength (suitable for outdoor and indoor use)
- Compatible with overhead, seep and trickle hose watering systems

Any width up to 4.3m on request.

| CODE | WIDTH | LENGTH | PRICE |
|---------|-------|--------|-------|
| CAPM040 | 0.40m | 50m | |
| CAPM050 | 0.50m | 50m | |
| CAPM060 | 0.60m | 50m | |
| CAPM070 | 0.70m | 50m | |
| CAPM100 | 1.00m | 50m | |
| CAPM120 | 1.20m | 50m | |
| CAPM140 | 1.40m | 50m | |

Permatex Permium White Groundcover 100gsm

The ideal choice for growers of Strawberries, Tomatoes, Peppers and Cucumbers.

White Groundcover is a 100g/m² groundcover, designed to maximise light reflection for the early ripening of fruit and salad crops in glasshouse and polytunnel production.

Ask us about bespoke sizes...


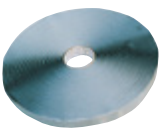

Specification:

- Woven polypropylene
- 100g/m²



| CODE | WIDTH | LENGTH | PRICE |
|------------|-------|--------|-------|
| GCP330100W | 3.30m | 100m | |
| GCP515100W | 5.15m | 100m | |

Groundcover Accessories

| CODE | DESCRIPTION | PRICE |
|------|---|-------|
| GCEP |  Groundcover Economy Peg Used in securing fleece and ground cover materials. | |
| GCT |  Sealing Tape 19mm 45m, for joining ground-cover rolls together and securing to the surface. | |
| GCS |  Staples Strong and durable metal staple for securing groundcover. Unique flat surface prevents tripping. | |

Landscape Mulch Fabric

Made from a black spunbonded polypropylene, with high levels of UV stabiliser, it acts as a barrier between soil and top mulch, preventing soil migration and providing a clean, attractive surface. Used in planting schemes and enables easy planting, by pre-cutting cross-holes in the fabric, in golf bunkers and under play areas, paths and patios. Helps suppress weed growth.



- Landscaping
- Weed control
- Planting out
- Beds
- Tubs
- Hanging baskets

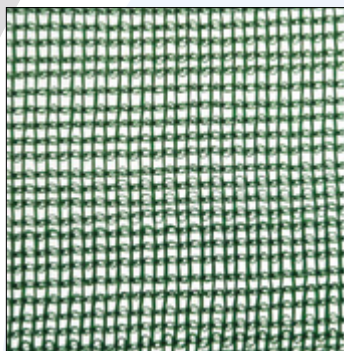
| CODE | WIDTH | LENGTH | PRICE |
|-----------|-------|--------|-------|
| TILM10100 | 1.00m | 100m | |
| TILM15100 | 1.50m | 100m | |
| TILM20100 | 2.00m | 100m | |
| TILM30100 | 3.00m | 100m | |

WINDBREAK & EXTRUDED PLASTIC



Monofilament Windbreak [6-8 year]

Monofilament windbreak system is tough and extremely durable. It is designed to reduce windspeed and is finished in an attractive country green with eyelets top and bottom.



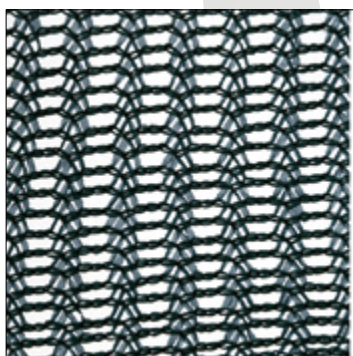
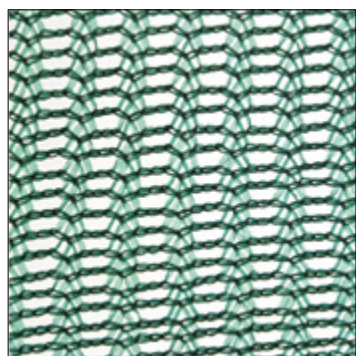
Windbreak: Loktex

8-10 year life - high UV content

Loktex netting incorporates flat tape threads and double lock-stitch tearproof technology with button holes top and bottom. It is the ultimate knitted wind-proof product, dramatically reducing wind impact speeds to protect crops from wind, water loss, soil erosion, windborne diseases and heat loss.

Available in Green or Black.

100m coils also available on request.



| CODE | COLOUR | SIZE | DENSITY | PRICE |
|--------------|--------|------------|---------------|-------|
| TILW4183050G | GREEN | 1.83 x 50m | LOKTEX 47% | |
| TILW4366050G | GREEN | 3.66 x 50m | | |

| CODE | COLOUR | SIZE | DENSITY | PRICE |
|--------------|--------|-------------|---------------|-------|
| TILW5091050G | GREEN | 0.914 x 50m | LOKTEX 55% | |
| TILW5122050G | GREEN | 1.22 x 50m | | |
| TILW5183050G | GREEN | 1.83 x 50m | | |
| TILW5366050G | GREEN | 3.66 x 50m | | |

| CODE | COLOUR | SIZE | DENSITY | PRICE |
|--------------|--------|-------------|---------------|-------|
| TILW6091050G | GREEN | 0.914 x 50m | LOKTEX 63% | |
| TILW6122050G | GREEN | 1.22 x 50m | | |
| TILW6183050G | GREEN | 1.83 x 50m | | |
| TILW6366050G | GREEN | 3.66 x 50m | | |

| CODE | COLOUR | SIZE | DENSITY | PRICE |
|--------------|--------|------------|---------------|-------|
| TILW7183050G | GREEN | 1.83 x 50m | LOKTEX 73% | |
| TILW7366050G | GREEN | 3.66 x 50m | | |

Heavy Duty Extruded Windbreak

Heavy Duty - Mesh 15mm x 5mm. This windbreak is specifically designed to reduce windspeed by 55% as well as protecting crops from water loss, soil erosion and wind damage.



| CODE | COLOUR | SIZE | MESH | PRICE |
|------------|--------|-----------|----------|-------|
| TILGREXT20 | BLACK | 1.0 x 30m | 15 x 5mm | |
| TILGREXT21 | BLACK | 2.0 x 30m | | |
| TILGREXT22 | GREEN | 1.0 x 30m | 15 x 5mm | |
| TILGREXT23 | GREEN | 2.0 x 30m | | |

CROP PROTECTION FLEECE & NETTING

Fleece

Crop Covering for Commercial Horticulture.

- Excellent durability, strength and tear resistance
- A flexible crop covering resistant to high winds
- Protection climate barrier for all horticultural crops
- Excellent water permeability, limiting water retention held in cross section of the fleece, thereby minimising any damage to the crop below
- Optimum protection against pests
- Balanced temperature and humidity distribution



| CODE | DENSITY | ROLL WIDTH | ROLL LENGTH | PRICE |
|-------------|---------|------------|-------------|-------|
| FLS18020100 | 18g | 2.0m | 100m | |
| FLS18040250 | 18g | 4.0m | 250m | |

Insect Net

This lightweight polyethylene UV inhibited netting screens out insects, preventing damage to crops and the spread of bacterial diseases. Colour is white.

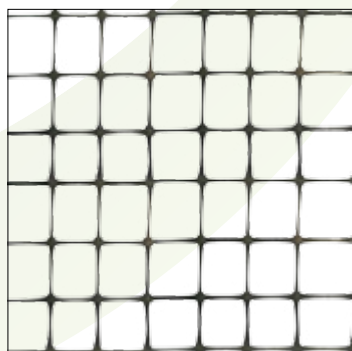
- Tunnel and shade houses
- Fruit and crop protection



| CODE | WIDTH | LENGTH | MESH | PRICE |
|--------------|-------|--------|-----------|-------|
| TILIN1620001 | 2.00m | 100m | 1.3x1.3mm | |
| TILIN1636601 | 3.66m | 100m | 1.3x1.3mm | |
| TILIN5020001 | 2.00m | 100m | 0.8x0.3mm | |

Black Extruded Mesh

- Protects plants and crops from butterflies with its extra small mesh size
- Lightweight yet very strong and durable
- Often used in conjunction with fruit cages
- 44 gsm
- Colour is Black



| CODE | SIZE | MESH | PRICE |
|------------|------------|----------|-------|
| TILGREXT11 | 2.0 x 150m | 6 x 7 mm | |
| TILGREXT12 | 4.0 x 150m | 6 x 7 mm | |

Standard Anti-Bird Tape Net [PN3]

5 year life
17x17mm mesh
Dark Green



Premium Anti-Bird Net [PN2]

10 year life
This superior quality 20mm mesh with double stitch mono-thread is suitable for installation on a frame to keep out birds and rodents.



| CODE | COLOUR | TYPE | SIZE | MESH | PRICE |
|-------------|--------|------|-------------|------|-------|
| TILPN302100 | GREEN | PN3 | 2.0 x 100m | 17mm | |
| TILPN304100 | GREEN | PN3 | 4.0 x 100m | 17mm | |
| TILPN306100 | GREEN | PN3 | 6.0 x 100m | 17mm | |
| TILPN308100 | GREEN | PN3 | 8.0 x 100m | 17mm | |
| TILPN310100 | GREEN | PN3 | 10.0 x 100m | 17mm | |
| TILPN202100 | BLACK | PN2 | 2.0 x 100m | 20mm | |
| TILPN204100 | BLACK | PN2 | 4.0 x 100m | 20mm | |
| TILPN206100 | BLACK | PN2 | 6.0 x 100m | 20mm | |
| TILPN208100 | BLACK | PN2 | 8.0 x 100m | 20mm | |
| TILPN212050 | BLACK | PN2 | 12.0 x 50m | 20mm | |

Black Extruded Mesh

8-10 year life expectancy
This black oriented netting is lightweight yet very strong and durable, with UV additive to prolong the nets life. It has many applications including fruit cage net, poultry and pheasant enclosures and general anti bird stop netting.



| CODE | COLOUR | SIZE | MESH | PRICE |
|------------|--------|------------|---------|-------|
| TILGREXT01 | BLACK | 2.0 x 200m | 18x18mm | |

Black Anti-Bird Net

5-7 year life expectancy
Tough and durable square mesh, extruded protection net. Suitable for frame applications, protecting crops from birds and other predators.

- Fruit protection
- Pheasant pens
- Pond covers



| CODE | COLOUR | SIZE | MESH | PRICE |
|------------|--------|------------|---------|-------|
| TILEXT1005 | BLACK | 2.0 x 100m | 20x17mm | |

ERMAF HEATERS

Ermaf P100 Oil Fired Hot Air Blower and/or CO₂ Generator

Direct oil-fired heater with high efficiency burner and 'low noise' fan - ideal for CO₂ generation in glasshouses and for heating poultry houses.

Fuelled by kerosene (28 sec) but can be adapted to Gasoil (35 sec). Airpot essential to remove air from the fuel line. Completely safe operation by way of automatic burner, ignition and photocell flame control unit. Single or three phase models available, 24v switching for computer or room thermostat.



Can be adapted to a mobile unit with 160 Litre fuel tank as displayed here.



ermaf



The Oil Burner Controller Unit mounted directly onto all ERMAF P, GP and RGA Series.

The silver control panel gives a lot of information about the functions of the heater. A combination of 2 switches informs the user about the flame stability. The LED's inform the user about external and internal failures.



| CODE | MODEL | OUTPUT | AIR OUTPUT | SUSPENDED UNIT | MOBILE UNIT |
|---------|-------|------------------------|-------------------------|----------------|-------------|
| ERMP100 | P 100 | 341K Bthu (100kW) | 7,700m ³ /hr | | |
| ERMAP | | Air Pot Air Eliminator | | | |

Ermaf GP Range Gas Fired Hot-Air Blower

- Heating of greenhouses
- Enriching the CO₂ content
- A combination of heating and enrichment

The Ermaf hot-air blowers have proved themselves internationally for more than four decades. The heaters feature a Burner Control Unit (BCU) which makes them easy to operate. The GP can, in combination with a thermostat and the extra functions in the BCU such as alarm in case of failure and external reset, operate fully automatically.

Due to the substantial air over-measure and effective mixing of gas/air, this appliance provides properly regulated heating.

Ermaf GP heaters operate on natural gas or propane and allow easy adjustment. A long life is ensured by the stainless steel design. A constant temperature is guaranteed by the fully automatic operation, which is combined with a temperature-regulated thermostat.



THERMOSTATS

DANFOSS RT4

Switching range: -5° to 30°C with max. temperature sensor 75°C.

Ambient temp.: -50 to 70°C
Diff./Max. range: 1.2 to 4°C
Diff./Min. range: 1.5 to 7°C

Highly accurate thermostat complete with room sensor.



MULTIFAN T15-WD 230V

Switching range: 0° to 40°C with max. temperature sensor 50°C.

Mains current (Max.) 16 Amp
Max. load 120 VA
IP55 housing
WxHxD (100 x 155 x 65mm)

Economically priced and versatile thermostat with room sensor.

NOTE: Not to be situated in direct air flow from either fan or heater, or near door due to temperature fluctuations at the sensor.



| CODE | MODEL | OUTPUT | AIR OUTPUT | PRICE |
|----------|--------|-------------------|-------------------------|-------|
| ERMGP095 | GP 95 | 323K Bthu (95kW) | 6,500m ³ /hr | |
| ERMGP120 | GP 120 | 409K Bthu (120kW) | 7,500m ³ /hr | |

| CODE | MODEL | PRICE |
|---------|-----------------|-------|
| ELEST04 | Danfoss RT4 | |
| ELEST09 | Multifan T15-WD | |

PERICOLI HEATERS

Pericoli combiTERM Suspended Air Heaters

CombiTERM represents the core of a programme of heaters which, in full **Pericoli** tradition, encloses the result of a continuous development aiming at an ever increasing efficiency and performance still being prepared for an intensive use.

The typically orange-colour pre-painted wallhousing of the **combiTERM** is made in galvanised steel. It is rust-proof and particularly suitable to performances under heavy duty circumstances, such as use in tunnel-type greenhouses and agricultural applications.

The burner, available in both light oil or gas version, is situated on front of the heater permitting easy service.

The **combiTERM** is supplied with a round hot air outlet preset for the installation of a polythene duct.

The combustion chamber is made in stainless steel AISI 430. The heat exchanger, equipped with wide cover plates for a complete cleaning, has been designed especially to increase the **combiTERM** thermal efficiency.

The flue gas outlet is situated horizontally on the rear side of the heater, in order to avoid infiltration of rain water and condensation from the chimney into the heat exchanger.

CombiTERM/E with an axial fan blower is particularly economical and compact-shaped. **combiTERM/C** with a centrifugal fan for situations where a high static pressure and a particularly low noise level is required.



| CODE | MODEL | OUTPUT | YIELD | AIR OUTPUT | OIL CONSUMPTION | DIMENSIONS (LxWxH) | PRICE |
|-----------|-----------------------------|---------|-------|-------------|-----------------|-----------------------|--|
| PERCT035E | combiTERM 35/E Axial Fan | 35.6kW | 90.2% | 2,800m³/hr | 3.0 kg/hr | 1183 x 512 x 764mm | EPOA Various combinations and setups available on request |
| PERCT060E | combiTERM 60/E Axial Fan | 60.5kW | 90.3% | 3,500m³/hr | 5.1 kg/hr | 1,393 x 572 x 916mm | |
| PERCT100E | combiTERM 100/E Axial Fan | 96.2kW | 91.5% | 5,600m³/hr | 8.1 kg/hr | 1,616 x 672 x 1,046mm | |
| PERCT140E | combiTERM 140/E Axial Fan | 144.8kW | 90.2% | 10,300m³/hr | 12.2 kg/hr | 1,840 x 760 x 1,136mm | |
| PERCT190E | combiTERM 190/E Axial Fan | 193.5kW | 90.1% | 11,500m³/hr | 16.3 kg/hr | 1,960 x 862 x 1,290mm | |
| PERCT240C | combiTERM 240/C Centrifugal | 239.8kW | 90.0% | 18,500m³/hr | 20.2 kg/hr | 2,444 x 992 x 1,362mm | |

SULFUME & FANS

Mistraal Air Circulation Fans

- Help to prevent botrytis and mildew
- Improve heat distribution and carbon dioxide take-up
- Reduce condensation
- Remove temperature gradients

AIR CIRCULATION

Air circulation is one of the most important factors within the greenhouse for controlled growing. Efficiency, top quality and reliable units are a must, therefore a Hotbox Mistraal Fan is a must.

Manufactured from robust stainless steel, there are three Mistraal fans to choose from. With sealed 'oiled for life' motors to IP34, they are designed for maintenance free, continuous running.

- **Mistraal 5** suitable for areas up to 100m²
- **Mistraal 10** suitable for areas up to 200m²
- **Mistraal 24** suitable for areas up to 500m²



| CODE | MODEL | V | RPM | OUTPUT | PRICE |
|--------|-------------|---------|-------|-------------------------|-------|
| HHFM05 | Mistraal 5 | 220/240 | 1,275 | 900m ³ /hr | |
| HHFM10 | Mistraal 10 | 220/240 | 1,300 | 1,600m ³ /hr | |
| HHFM24 | Mistraal 24 | 220/240 | 1400 | 4,000m ³ /hr | |

Cylindrical Air Circulation Fans (ACF)

- Air circulation in greenhouses
- Reduction of condensate on plants
- Better heat distribution in greenhouses

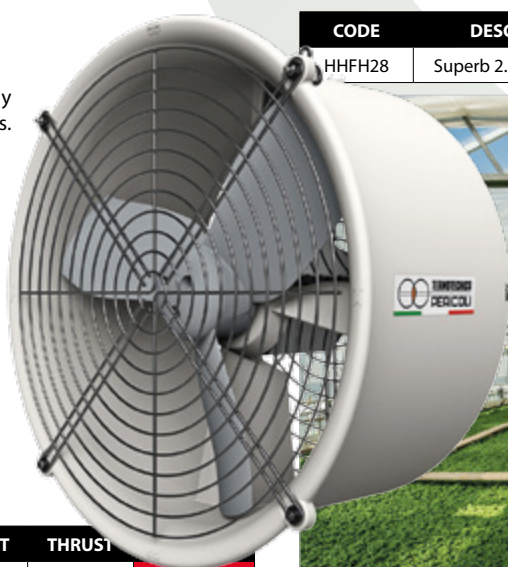
FANS FOR HORTICULTURE

As a result of energy-saving measures today's horticultural greenhouses are becoming increasingly airtight giving rise to the need for air circulation fans.

- Fan body made of plastic with a high concentration of fibreglass
- Special impeller shape design made of plastic with a high concentration of fibreglass
- Three phase to single phase conversion with a simple kit
- Several hanging options
- BESSlab certified
- Reduced weight

ACF ensure low noise levels to grant productive labour conditions for your workers.

| CODE | FAN SIZE | V | RPM | OUTPUT | THRUST |
|-----------|----------|-----|------|-----------------------|---------|
| PERACF21P | 20" | 230 | 1460 | 6400m ³ /h | 4.4 lbf |



Sulfume

The Only Sulphur Vapouriser with the Unique Temperature Regulation System.

The Sulfume sulphur vapouriser helps to protect crops from fungal diseases such as mildew, botrytis and black spot. It also inhibits the spread of greenhouse pests.

- **Unique temperature control** - cannot overheat the sulphur to create damaging oxides, releases ONLY pure sulphur
- **Regulated element** - makes combustion impossible, eliminates the risk of fire and makes the Sulfume the safest on the market
- **Energy efficient** - the lowest energy consuming sulphur evaporator available
- **Flexible voltage** - can work on any supply from 110V to 250V, with no loss of performance in low voltage areas
- **Manufactured in high quality materials** - to ensure durability
- **Ideal** for roses, strawberries, begonias, saint paulia, tomatoes, peppers and gerbera



COVERAGE

By using a uniform shaped cup, positioned accurately within the centre of the Sulfume cylinder, distribution is ensured through the natural funnel effect. One Sulfume is capable of treating between 100 - 1,000m². Up to 100 Sulfumes may be needed per hectare depending on the crop and severity of fungal problems.

Size: 13cm diameter, 18cm high

| CODE | DESCRIPTION | PRICE |
|---------|--|-------|
| HHVS | Sulfume Vapouriser | |
| HHVS2K | Sulfume Vapouriser (incl. 2kg Sulphur) | |
| HHBS020 | Burning Sulphur 2kg | |

Superb Fan Heater 2.7kW

The HotBox Superb is a 2.7kW electronic Fan Heater. With Winter and Summer settings, it can help to keep your glasshouse cool or warm depending on the season.

- Half and full heat settings ensures maximum fuel economy
- Fan only setting use purely for air circulation
- Fitted with feet and hanging loops easy to install
- High output fan (250cfm, 450m³/hr)
- Remote temperature sensor ensures accurate control
- Stainless steel construction with sealed elements built to withstand challenging, humid conditions



| CODE | DESCRIPTION | HEATS/FP | Dia. x L | PRICE |
|--------|------------------------|------------------------------------|------------|-------|
| HHFH28 | Superb 2.7 kW 230v 12a | 20m ² /30m ² | 27 x 50 cm | |



HEATING

Thermabed

Bench Heating System

Thermabed is a water-based system for root zone heating. Made to measure and designed to encourage germination and propagation, Thermabed is ideal for areas of 50m² or larger.

- **Optimum growing temperature** - precise thermostatic control from 6 to 38°C
- **Quick and easy to install** - on the ground or on benches
- **Energy efficient** - inexpensive to run on gas, oil, solid fuel or bio fuel
- **Durable construction** - reliability built-in
- **Simple design** - low maintenance costs



The Thermabed system consists of moulded expanded polystyrene panels which fit together to form the required area. These panels have a channel which forms a continuous loop into which a flexible water pipe is fitted. The unique design is arranged so that the water inlet pipe and the water outlet pipe run side by side, thus providing a uniform temperature over the entire surface.

The Thermabed system comes complete with polystyrene panels, flexible piping, inter connectors and BSP valves. The system is made to measure and panels will be cut in-house to the width required. The system can be covered with a variety of materials depending upon the crop to be grown.

| under 50m ² | under 250m ² | 250m ² - 999m ² | over 1000m ² |
|------------------------|-------------------------|---------------------------------------|-------------------------|
| | | | |

Thermabed Accessories

| CODE | DESCRIPTION | PRICE |
|---------|--------------------------------|-------|
| HHTBC | Solar Pipe Connectors | |
| HHTBCON | Pipe to 3/4" BSP(M) Connectors | |
| HHTBF | Foil for Thermabed | |

Propagator

Accurate and uniform root zone heating for up to 12 standard seed trays

This Propagator delivers accurate, uniform heat to the base of the seed trays, to promote the germination of seeds or root cuttings.

- **Simple installation** - plug in and plant up
- **Energy efficient** - inexpensive to run, no need to heat the whole greenhouse
- **Optimum growing temperature** - precise thermostatic control from 6 to 38°C
- **Durable construction** - reliability built-in
- **Space saving design** - overall dimensions length 1.5m, width 0.75m



The propagator's aluminium base which encloses the heating element ensures that seedtrays receive accurate and uniform heat for propagation. The thermostat sensor is placed into the growing medium to obtain the correct temperature for maximum germination and rooting rates. The polycarbonate top (which is assembled on site) will protect the young plants and provide a mini climate several degrees higher than the surrounding temperatures in the greenhouse. Therefore there may not be any need for additional background heating in the greenhouse.

| CODE | DESCRIPTION | PRICE |
|------|-------------|-------|
| HHHP | Propagator | |

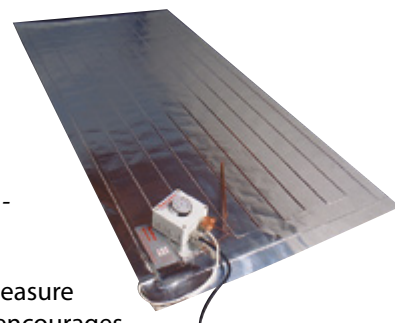
Heatwave Panels

Accurate and Uniform root zone Bench Heating System

YOU CHOOSE...

The length, the width, the wattage and the voltage.

Phone or email your bench size - quotation by return.



The Heatwave is a made-to-measure bench heating system which encourages germination, propagation and growth of seedlings and cuttings by delivering constant, uniform heat to the base of seed trays and plant pots.



Optimum growing temperature - precise thermostatic control from 6 to 38°C

Easy to install - on the ground or on benches, just plug in and plant up

Energy efficient - inexpensive to run

Durable construction - reliability built-in

Flexibility - operate more than one Heatwave from a single thermostat

INSTALLATION IS SIMPLE

The system is simple to install and requires no specialist knowledge, just an electrical socket.

PRICING A HEATWAVE PANEL

Heatwave panels are priced individually, so please price each panel separately. Heatwave panels can be made in unusual shapes, such as 'U' and 'L' shapes for which prices available on request.

NOTE: please make sure that the internal measurement is measured, especially with benches.

Technical Specification

- **Size and voltage:** built to your specification - no cold spots, no waste
- **Installation:** lay on 50mm thick polystyrene base, capillary matting optional
- **Power:** fitted with compliant plug
- **Construction:** aluminium foil base, with PTFE elements

| 2m ² - 2.99m ² | 3m ² - 4.99m ² | 5m ² - 9.99m ² | 10m ² + |
|--------------------------------------|--------------------------------------|--------------------------------------|--------------------|
| | | | |

Heatwave Accessories

| CODE | DESCRIPTION | PRICE |
|--------|-----------------------|-------|
| HHHWTS | Thermostat (Standard) | |
| HHHWTE | Thermostat (Electric) | |
| HHHWPC | Heatwave Extra Cable | |
| HHHWPS | Heatwave Switch | |

Danish Trolley Heatwave - shelf heating system

- **Designed to fit Danish Trolley shelves** - use trolleys for germination and propagation
- **Ultimate flexibility** - control temperature of Heatwaves individually or by using just one, global control

| CODE | DESCRIPTION | PRICE |
|---------|---|-------|
| HHHWDT | Danish Trolley Heatwave (with thermostat) | |
| HHHWDTA | Additional Danish Trolley Heatwave on same thermostat | |

HORTICULTURAL PRODUCTION ACCESSORIES

Stick-in Plant Labels

Rigid, pointed heavy duty polystyrene label. A matt writing surface makes them ideal for use with indelible marking pens.

Box of 1,000

Standard colour: White

Special colours: Black, Blue, Green, Grey, Orange, Red, Pink, Purple & Yellow

| CODE | LENGTH | WRITING AREA | WHITE | COLOURS |
|---------|-----------|--------------|-------|---------|
| LABP10x | 10cm (4") | 10 x 1.4cm | | |
| LABP12x | 12cm (5") | 12.5 x 1.4cm | | |
| LABP15x | 15cm (6") | 15 x 1.7cm | | |

Staedtler Marker Pens

Black

| CODE | DESCRIPTION | PRICE |
|---------|--------------------------------|-------|
| SUN052F | Fine "Staedtler" Pen - Black | |
| SUN052M | Medium "Staedtler" Pen - Black | |

'T' Bed Labels

A range of bed labels made from UV protected recycled polypropylene with panels to provide a large surface area to write on.

Colours: Black, Blue, Green, Grey, Orange, Red, Pink, Purple & Yellow



| CODE | TYPE | LENGTH | HEAD SIZE | PACK | PRICE |
|---------|-------|--------|-------------|------|-------|
| LABT15x | SL135 | 15cm | 5.5 x 3.5cm | 500 | |
| LABT20x | SL200 | 20cm | 8 x 5cm | 100 | |
| LABT24x | SL250 | 24cm | 10 x 6cm | 100 | |
| LABT30x | SL300 | 30cm | 8 x 5cm | 100 | |

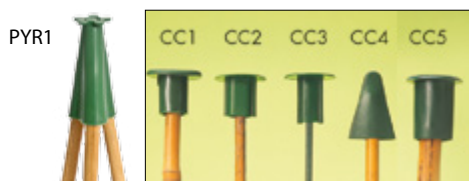
Soft Buckle Tree Ties

Made from soft black PVC strapping which is capable of stretching with growth, is also easily adjusted and comes complete with hoop collar spacer to prevent chaffing between tree and stake.



| CODE | DESCRIPTION | PACK | PRICE |
|---------|------------------------------------|------|-------|
| TTSB15B | Buckle Tree Tie 40cm x 25mm (BT40) | 100 | |
| TTSB18B | Buckle Tree Tie 45cm x 25mm (BT45) | 100 | |
| TTSB24B | Buckle Tree Tie 60cm x 25mm (BT60) | 100 | |

Cane Caps



| CODE | TYPE | CASE QTY | PRICE |
|-------|--------------------------------|----------|-------|
| PKCC1 | Standard | 1,000 | |
| PKCC2 | Economy - for thin canes | 1,000 | |
| PKCC3 | For Split canes/Flower sticks | 1,000 | |
| PKCC4 | Fits all canes | 1,000 | |
| PKCC5 | Large - for thick canes | 1,000 | |
| PKCC6 | PYR1 - Pyramid cap for 3 canes | 1,000 | |

Loop Lock Labels

Designed for labelling and colour coding roses, shrubs, trees and hanging baskets.

Quantity: 1,000



| CODE | LENGTH | WRITING AREA | COLOUR | PRICE |
|----------|--------|--------------|--------|-------|
| LABL16WH | 16cm | 11 x 1.6cm | White | |
| LABL16YE | 16cm | 11 x 1.6cm | Yellow | |
| LABL16GR | 16cm | 11 x 1.6cm | Green | |
| LABL16BL | 16cm | 11 x 1.6cm | Blue | |
| LABL16OR | 16cm | 11 x 1.6cm | Orange | |
| LABL16RE | 16cm | 11 x 1.6cm | Red | |
| LABL16PI | 16cm | 11 x 1.6cm | Pink | |
| LABL22WH | 22cm | 15 x 2.5cm | White | |
| LABL22YE | 22cm | 15 x 2.5cm | Yellow | |
| LABL22GR | 22cm | 15 x 2.5cm | Green | |

Angled Head Bed Labels

A range of coloured angled head bed labels with panels to provide large surface area to write on. Ideal for colour coding plant varieties, pot sizes and promotions.

Colours: Black, Blue, Green, Grey, Orange, Red, Pink, Purple & Yellow. BB version has Blackboard.



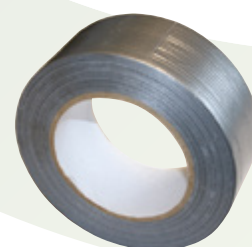
| CODE | TYPE | LENGTH | HEAD SIZE | PACK | PRICE |
|----------|---------|--------|------------|------|-------|
| LABA27WH | SL275 | 27cm | 13 x 8cm | 50 | |
| LABA38WH | SL400 | 38cm | 10 x 6cm | 50 | |
| LABA44WH | SL440 | 44cm | 12.5 x 8cm | 50 | |
| LABA44BB | SL440BB | 44cm | 12.5 x 8cm | 50 | |
| LABA53WH | SL500 | 53cm | 16 x 10cm | 25 | |

Repair Tapes

| CODE | DESCRIPTION | IMAGE | PRICE |
|-------|--------------------------------|-------|-------|
| RT050 | 50mm x 25m Tunnel Repair Tape | | |
| RT075 | 75mm x 25m Tunnel Repair Tape | | |
| RT100 | 100mm x 25m Tunnel Repair Tape | | |
| RT150 | 150mm x 25m Tunnel Repair Tape | | |
| RT300 | 300mm x 25m Tunnel Repair Tape | | |

Silver Cloth Tape 50mm

Heavy duty tape suitable for use in low temperatures. Ideal for repairs to hoses and waterproof clothing.



| CODE | DESCRIPTION | PRICE |
|--------------|------------------------|-------|
| PKTPSC050050 | Silver Cloth Tape 50mm | |

HORTICULTURAL PRODUCTION ACCESSORIES

Bamboo Canes

High quality Bamboo canes imported directly from China.

The weight factor represents the average weight of 100 canes.



| CODE | HEIGHT | MM | LB | BALE | PRICE |
|----------------|--------|-------|-------|------|-------|
| CANB0310120500 | 3' | 10-12 | 9-11 | 500 | |
| CANB0412140250 | 4' | 12-14 | 18-20 | 250 | |
| CANB0512140250 | 5" | 12-14 | 24-26 | 250 | |
| CANB0612140125 | 6" | 12-14 | 28-32 | 125 | |
| CANB0814160125 | 8' | 16-17 | 44-48 | 125 | |

Green Split Canes

Ideal for dwarf peas, beans and bush tomatoes and all other small garden plants.







| CODE | DESCRIPTION | BALE | PRICE |
|-------------|------------------------|--------|-------|
| CANG3010000 | Green Split Canes 30cm | 10,000 | |
| CANG4505000 | Green Split Canes 45cm | 5,000 | |
| CANG6002500 | Green Split Canes 60cm | 2,500 | |
| CANG7501250 | Green Split Canes 75cm | 1,250 | |
| CANG9001250 | Green Split Canes 90cm | 1,250 | |



Staplers & Accessories

| CODE | | DESCRIPTION | PRICE |
|---------|---|-------------------------------------|-------|
| PKSAP35 |  | P35 Stapler | |
| PKSA354 |  | P35 Staples 6mm 1/4" (5,040) | |
| PKSA356 |  | P35 Staples 10mm 3/8" (5,040) | |

| CODE | | DESCRIPTION | PRICE |
|---------|---|--------------------------------------|-------|
| PKSAT50 |  | T50 Tacker | |
| PKSA504 |  | T50 Staples 6mm 1/4" (5,000) | |
| PKSA506 |  | T50 Staples 10mm 3/8" (5,000) | |
| PKSA509 |  | T50 Staples 14mm 9/16" (5,000) | |

HORTICULTURAL KNIVES

Vegetable Knife

6cm / 2½" Blade



| CODE | DESCRIPTION | PRICE |
|---------|-----------------|-------|
| K302412 | Vegetable Knife | |
| K847 | Pocket Knife | |

Pocket Knife

High visibility red resin handle.

Blade 9cm / 3½"



Felco All Purpose Knife

All purpose knife. Small yet strong. Red nylon handle with standard alloy lining.

Stainless steel blade 57mm



Felco Light Grafting and Pruning Knife

Light grafting and pruning knife. Small yet strong. Red nylon handle with standard alloy lining.

Stainless steel blade 57mm



Paring Knife

A paring knife with a detachable peeler that's great for peeling and slicing fruit or vegetables.

Blade 3"



Multipurpose Knife

Its fine serrations slice vegetables and fruit easily.

Blade 4"



| CODE | DESCRIPTION | PRICE |
|----------|---------------------|-------|
| K602001T | Peeler/Paring Knife | |
| K602002 | Multi Purpose Knife | |

Utility Knife

Its slender, tapered blade is ideal for salads, vegetables and fruit.

Blade 4"



Double Edged Knife

It's serrated on one side and ideal for harvesting leeks.

Blade 7¼"



| CODE | DESCRIPTION | PRICE |
|---------|-------------------------|-------|
| K602003 | Utility Knife | |
| K602007 | Double Edged Leek Knife | |

Super Sharpener

A quick & handy knife sharpener.



Shoe Knife

Poly Handle.



| CODE | DESCRIPTION | PRICE |
|---------|------------------------|-------|
| K602011 | Super Sharpener | |
| K8932 | Poly Handle Shoe Knife | |

| CODE | DESCRIPTION | PRICE |
|---------|------------------------------|-------|
| KV39050 | Victorinox All Purpose Knife | |
| KV39060 | Victorinox Pruning Knife | |

Felco Ceramic Sharpening Stone

Medium and fine grained high purity corundum sharpening stone. Easy to use, it keeps its shape, and is ideal for the sharpening of pruning shears and cable cutters.

Length: 100mm



| CODE | DESCRIPTION | PRICE |
|----------|--------------------------------|-------|
| FELPF902 | Felco Ceramic Sharpening Stone | |

Cabbage Chopper



| CODE | DESCRIPTION | PRICE |
|---------|----------------------------|-------|
| K828010 | Cabbage Chopper 25cm (10") | |
| K828012 | Cabbage Chopper 30cm (12") | |

Boning Knife



| CODE | DESCRIPTION | PRICE |
|--------|------------------------|-------|
| K80396 | Boning Knife 15cm (6") | |
| K80397 | Boning Knife 18cm (7") | |

SCIENTIFIC EQUIPMENT FOR GROWERS

NPK Soil Test Kits NPK & pH

Easy to use test kits are ideal for either soil or soil-less applications. Easily check the levels of 4 key parameters in growing: Nitrogen, Phosphorus, Potassium and pH.



| CODE | DESCRIPTION | PRICE |
|-----------|--|-------|
| HANHI3895 | Agricultural Test Kit, Basic (10 tests NPK & pH) | |
| HANHI3896 | Agricultural Test Kit, Pro (25 tests NPK & pH) | |

Budget pH Meter

Instantly tells you how acid or alkaline your soil is and checks which plants suit your garden. Includes a plant care listing.



Budget Soil Moisture Meter

Instantly tells you when to water your plants. Includes care listing for over 150 plants.



| CODE | DESCRIPTION | PRICE |
|-------------|---------------------|-------|
| TEN3A021506 | Soil pH Meter | |
| TEN3A021507 | Soil Moisture Meter | |

Digital Thermo-Hygrometer

Digital Thermometer and Hygrometer combined. Indicates maximum and minimum temperatures and humidity inside and outside.



Rainfall Measure

A conical shaped measure, calibrated in millimetres and inches.



| CODE | DESCRIPTION | PRICE |
|-------------|--------------------------------|-------|
| TILDTH | Digital Thermometer/Hygrometer | |
| TEN3A021873 | Rainfall Measure | |

Thermometers

- A: Wall Thermometer
B: Press Button Max-Min Thermometer. Records highest and lowest temperature and resets by pressing button.



| CODE | DESCRIPTION | PRICE |
|-------------|-------------------------------------|-------|
| TILWTWOOD | A: Wooden Wall Thermometer | |
| TENLIF21121 | B: Press Button Max-Min Thermometer | |

- A: Dial Max-Min Thermometer
B: Mini Dial Humidity Meter



| CODE | DESCRIPTION | PRICE |
|-------------|-----------------------------|-------|
| TEN3A021843 | A: Dial Max-Min Thermometer | |
| TEN3A021851 | B: Mini Dial Humidity Meter | |

- A: Propagating Thermometer
B: Window Thermometer. Mounts directly onto glass.



| CODE | DESCRIPTION | PRICE |
|-------------|----------------------------|-------|
| TEN3A021845 | A: Propagating Thermometer | |
| TEN3A021872 | B: Window Thermometer | |

SCIENTIFIC EQUIPMENT FOR GROWERS

Pocket Thermometers

Quick and accurate temperature measurement

Complete with unique calibration check, Hanna Checktemps are some of our best selling pocket thermometers. Calibration certificates available on request.



Checktemp

Checktemp is a compact meter with a direct probe, making it ideal for taking quick-fire temperature measurements in semi-solids and liquids.

Checktemp1

Checktemp1 comes with a sensor on a 1m length cable for easy access to hard-to-reach locations.

Main Benefits

- 100% accurate readout, whatever the viewing angle
- ideal for spot checks
- Instant measurement to HACCP requirements
- Protective cap supplied with Checktemp

| CODE | DESCRIPTION | PRICE |
|------------|-------------|-------|
| HANHI98501 | Checktemp | |
| HANHI98509 | Checktemp1 | |

On Balance IS Scales 10kg x 1g

Includes large bowl for measuring wet-table powder chemicals and fertilisers.

- Backlit LCD screen
- Integrated spirit level
- USB Power adaptor
- Smudge-proof platform
- Large 2.2L weighing bowl
- Weighing units: g, kg, lb, oz, lb:oz



| CODE | DESCRIPTION | PRICE |
|----------|--------------------------------------|-------|
| OBIS10KG | On Balance Intrepid Series 10kg x 1g | |

Free and Total Chlorine Portable Photometer



The HI-96711 Free and Total Chlorine Portable Photometer combines accuracy and ease of use in an ergonomic, portable design. A user can accurately determine the concentration of free and total chlorine in a variety of water samples within a 0.00 to 5.00 mg/L (ppm) range using ready made reagents.

The HI-93701-01 are reagents for the colorimetric determination of free chlorine. There are enough reagents for 100 tests and are for use with Hanna's compatible portable photometers.

These high quality reagents are clearly marked with the lot number and expiration date on each packet for traceability.

Main Benefits

- CAL Check Validation and Calibration
- Built-in Timer
- Automatic shut off
- Battery status indicator



| CODE | DESCRIPTION | PRICE |
|--------------|---|-------|
| HANHI97711C | Free & Total Chlorine Portable Photometer | |
| HANHI9370101 | Free Chlorine Reagents (100 Tests) | |

Waterproof Digital Max/Min Thermometer with K-Type Probe for Compost Temperatures

Why is Compost Temperature so important?

Temperature is a key parameter determining the success of composting.

Compost heat is a by-product of the microbial breakdown of organic material. Decomposition occurs most rapidly during the thermophilic stage of composting (40 to 60°C).

This stage is also important as it destroys thermosensitive pathogens, weed seeds and fly larvae. So, heat in the compost is good, but if the temperature goes above 60 to 65°C the beneficial micro-organisms that are breaking down the compost begin to die off, hence the need to turn or aerate the pile.

Main Benefits

- Simple to use and robust
- Waterproof (and compost proof) rubberised keyboard designed to be used outdoors
- Clear LCD display shows current temperature measured as well as the max/min temperatures measured
- Choice of stainless steel 1m long probe or a long-reach, extra robust compost probe with T-handle



| CODE | DESCRIPTION | PRICE |
|-------------|---|-------|
| HANHI935005 | W/P Digital Max/Min Thermometer | |
| HANHI766TR2 | K-Type Stainless Steel Probe 1m x 10mm dia. | |



HI981030

Soil pH Tester

with Replaceable Electrode

The HI981030 pH tester for soil has a specialised PVDF probe and an open reference junction with removeable sleeve to prevent clogging.

- Range pH: 0-12.00
- Automatic calibration at 1 or 2 point
- Auto shut off after 8 mins or 60 mins
- Supplied with protective cap on the electrode
- Perforate the soil (with HI-721319 soil auger) to a depth of 20cm or more
- Auger for ground penetration (sold separately)

pH



| CODE | DESCRIPTION | PRICE |
|-------------|--------------------------------------|-------|
| HANHI981030 | Groline Soil pH Tester | |
| HANHI77400P | Calibration Kit [pH 10x20ml sachets] | |
| HANHI721319 | Soil Auger sold separately | |

pH - a definition

pH is a measure of how acidic or basic a solution is. It is measured on a scale from 0-14, with 7 being neutral, 0 the most acidic and 14 the most basic (alkaline).

Since solution pH affects the ability of plants to take in nutrients it is vital to monitor and control this crucial parameter. The correct pH is also necessary for the nutrients in the solution to be in the right chemical state to be taken up by the plant.

*GroLine***SCIENTIFIC PRODUCTS FOR GROWERS**

HI98115

pH Tester*with Replaceable Electrode*

The HI98115 pH tester offers advanced features for the measurement of pH in hydroponic nutrient solutions. The HI98115 is a very simple meter to operate with all functions including turning on/off and calibration performed with a single button. The HI98115 features a replaceable HI1271 pH electrode that can be changed when needed without having to buy a new meter.

- Range pH: 0-14.00
- Automatic calibration
- Auto shut off
- Stability indicator
- 1,000 hour battery life

pH

| CODE | DESCRIPTION | PRICE |
|-------------|--------------------------------------|-------|
| HANHI98115 | Groline pH Tester | |
| HANHI77400P | Calibration Kit [pH 10x20ml sachets] | |
| HANHI1271 | Spare pH Electrode | |



HI98118

pH/Temperature Tester*with Extractable pH Electrode Junction*

The HI-98118 pH/temperature tester is our latest pocket meter for measuring the pH of a hydroponic nutrient solution. The ergonomic design allows this tester to fit comfortably in your hand. The large easy to read LCD display shows both pH and temperature along with calibration, stability and low battery indicators. All operations are simplified to two buttons. One is for turning the meter on/off and the other for automatic one or two point calibration.

- Range pH: 0-14.00
- Automatic calibration
- Auto shut off
- Stability indicator
- 1,000 hour battery life

pH**°C/°F***Quick Cal*
Compatible

| CODE | DESCRIPTION | PRICE |
|-------------|---|-------|
| HANHI98118 | Groline pH/Temperature Tester | |
| HANHI50036P | Quick Cal pH Solution [25 x 20ml sachets] | |

HI98131 Combo

pH/EC/TDS Temperature Meter*with Replaceable pH Electrode Cartridge*

The HI98131 is a slim, lightweight, and waterproof pocket sized meter that measures pH, conductivity (EC), total dissolved solids (TDS) and temperature. All operations and settings, including calibration buffers and temperature scale selections are made using two buttons.

- Waterproof
- Quick Cal mode to calibrate pH and EC/TDS with one solution
- TDS conversion factor selectable between 0.5 (500ppm) and 0.7 (700ppm)
- Range pH: 0-14.00
- Range EC: 0-6.0 mS/cm
- Range TDS: 0 to 3000ppm (500CF); 0 to 3999ppm (700CF)
- Temperature: 0 to 60.0°C
- Extractable pH Cloth Junction

pH**EC****TDS****°C/°F**

| CODE | DESCRIPTION | PRICE |
|---------------|--|-------|
| HANHI98131 | Groline Combo Meter | |
| HANHI50036P | Quick Cal pH/EC Solution [25 x 20ml sachets] | |
| HANHI7061012 | Electrode Cleaning Solution [120ml Bottle] | |
| HANHI70300012 | Electrode Storage Solution [120ml Bottle] | |

EC/TDS - a definition

Electrical Conductivity (EC) is defined by the ability of a solution to conduct an electrical current. Total Dissolved Solids (TDS) is defined as the amount of solids dissolved in a solution.

The relationship between the amount of solids such as salts found in fertilisers is directly proportional to their conductivity. Therefore, the higher the amount of solids, the greater the conductivity. This is because when fertilisers are dissolved into water they become 'ions', which means that they become positively or negatively charged and can therefore conduct a current.

GroLine

SCIENTIFIC PRODUCTS FOR GROWERS

HI9814

pH/EC/TDS Temperature Meter

with Multiparameter Probe



The HI9814 is a slim, lightweight, and waterproof portable meter that measures pH, conductivity (EC), total dissolved solids (TDS) and temperature with a single amplified probe. All operations and settings, including calibration buffers and temperature scale selections, are made through only two buttons. The housing is waterproof and rated for IP67 conditions.

- Waterproof
- 3 in 1 amplified probe with pH, EC/TDS and temperature sensors
- Quick Cal mode to calibrate pH and EC/TDS with one solution
- EC to TDS conversion factor selectable between 0.5 (500ppm) and 0.7 (700ppm)
- Range pH: 0-14.00
- Range EC: 0-6.0 mS/cm
- Range TDS: 0 to 3000ppm (500CF); 0 to 3999ppm (700CF)
- Temperature: 0 to 60.0°C
- Extractable pH Cloth Junction
- HI1294 pH/temperature probe for direct soil available

pH EC TDS °C/°F

| CODE | DESCRIPTION | PRICE |
|---------------|--|-------|
| HANHI9814 | Portable Multiparameter Meter | |
| HANHI50036P | Quick Cal pH/EC Solution [25 x 20ml sachets] | |
| HANHI7061012 | Electrode Cleaning Solution [120ml Bottle] | |
| HANHI70300012 | Electrode Storage Solution [120ml Bottle] | |
| HANHI1294D | pH/Temp Probe for Direct Soil | |

HI98331 SoilTest™

Direct Soil EC Tester

with Built-in Stainless Steel Penetration Probe



The HI98331 Soil Test™ is a rugged and reliable pocket-sized tester that offers quick and accurate readings. This direct soil EC tester features a stainless steel penetration probe for direct measurement of conductivity. With a compact size, single button operation, and automatic calibration, Soil Test is an excellent choice for taking direct conductivity measurements in soil.

- Range EC: 0-4.00 mS/cm
- Range Temp: 0 to 50.0°C
- One button operation
- 114mm stainless steel penetration probe
- Automatic Temperature Compensation

EC °C/°F

| CODE | DESCRIPTION | PRICE |
|-------------|---|-------|
| HANHI98331 | GroLine Direct Soil EC Tester | |
| HANHI70031P | Calibration Kit [EC 1413uS 25x20ml sachets] | |

HI98318

EC/TDS (ppm) Tester

with Graphite Sensor



The HI98318 is ideal for measuring the EC/TDS of a hydroponic solution. This meter is extremely ergonomic, fitting comfortably in your hand. The HI98318 has a very large easy to read LCD display that shows both EC or TDS and temperature along with calibration, stability and low battery indicators. All operations are simplified to just two buttons. One is for turning the meter on/off and the other for automatic one or two point calibration.

- Waterproof
- Quick calibration mode using Hanna Quick Cal pH/EC calibration solution
- Range EC: 0-6.00 mS/cm
- Range TDS: 0 to 3000ppm (500CF); 0 to 4000ppm (700CF)
- Range Temp: 0 to 50.0°C
- Two-button operation
- Automatic Temperature Compensation

EC TDS °C/°F

| CODE | DESCRIPTION | PRICE |
|-------------|--|-------|
| HANHI98318 | GroLine EC/TDS Waterproof Tester | |
| HANHI50036P | Quick Cal pH/EC Solution [25 x 20ml sachets] | |

LS INSTALLATION, DESIGN & SERVICE

Our qualified installation team are available to install all project work and service existing systems. We enjoy full technical support from the manufacturers of all key materials that we install



Ultra Violet Water Treatment



Overhead anti-drip spraylines



Pressure boosting



Water storage tank installations



Drip Irrigation

PRESSURE PIPES

Black LDPE Water Pipe SDR33, 4 bar

All pipes below are produced to the following standards: ISO 8796 and ISAE 435 for LDPE. This represents anti-stress cracking.



| CODE | O.D. x I.D. | COIL | PRICE |
|----------------|-------------|------|-------|
| PECLD04K005100 | 5x3mm Soft | 100m | |
| PECLD04K005200 | 5x3mm Soft | 200m | |
| PECLD04K012100 | 12 x 10mm | 100m | |
| PECLD04K016100 | 16 x 13.6mm | 100m | |
| PECLD04K020100 | 20 x 17mm | 100m | |
| PECLD04K025100 | 25 x 21mm | 100m | |

Black LDPE Punched Pipe SDR33, 4 bar

| CODE | O.D. | SPACING | COIL | PRICE |
|---------------|------|---------|------|-------|
| NETPPP3002020 | 20mm | 20cm | 200m | |
| NETPPP3002025 | 20mm | 25cm | 200m | |
| NETPPP3002030 | 20mm | 30mm | 200m | |
| NETPPP3002040 | 20mm | 40mm | 200m | |
| NETPPP3002050 | 20mm | 50mm | 200m | |
| NETPPP3002075 | 20mm | 75mm | 200m | |
| NETPPP3002100 | 20mm | 100mm | 200m | |

Round **Plus** LDPE Pipe Clips

Plus Clips feature a return hook that holds cables and pipe tightly. Plus Clips are manufactured from a specially selected grade of UV stabilised polypropylene which combines strength and elasticity.



| CODE | SIZE | BOX | PRICE |
|-------------|-----------|-----|-------|
| MICT0506100 | 5 - 6mm | 100 | |
| MICT0911100 | 9 - 11mm | 100 | |
| MICT1518100 | 15 - 18mm | 100 | |
| MICT1924050 | 19 - 24mm | 50 | |

Black Water Pipe - Rigid Lengths (PE100) SDR11, 16 bar



| CODE | O.D. | LENGTH | PRICE |
|----------------|------|--------|-------|
| PEL1011K032-6M | 32mm | 6m | |
| PEL1011K040-6M | 40mm | 6m | |
| PEL1011K050-6M | 50mm | 6m | |
| PEL1011K063-6M | 63mm | 6m | |

Black Water Pipe - Rigid Lengths (PE100) SDR17, 10 bar

| CODE | O.D. | LENGTH | PRICE |
|----------------|-------|--------|-------|
| PEL1017K075-6M | 75mm | 6m | |
| PEL1017K090-6M | 90mm | 6m | |
| PEL1017K110-6M | 110mm | 6m | |

Black MDPE Water Pipe (PE80) SDR13, 10 bar



| CODE | O.D. x I.D. | COIL | PRICE |
|----------------|-------------|------|-------|
| PEC0813K032050 | 32 x 27.2mm | 50m | |
| PEC0813K032100 | 32 x 27.2mm | 100m | |
| PEC0813K040050 | 40 x 34mm | 50m | |
| PEC0813K040100 | 40 x 34mm | 100m | |
| PEC0813K050050 | 50 x 42.6mm | 50m | |
| PEC0813K050100 | 50 x 42.6mm | 100m | |

Blue MDPE Water Pipe (PE80)

To BS6572 (1985) Water By-laws Scheme Approved Product. For below ground potable water.

Larger diameter (90mm +) PE80 pipes in coils and rigid lengths.

To WIS 4-32-03 for below ground potable water. Many sizes available.



| CODE | O.D. | COIL | SDR (BAR) | PRICE |
|----------------|------|------|---------------|-------|
| PEC0809B020025 | 20mm | 25m | 9 (16 bar) | |
| PEC0809B020050 | 20mm | 50m | | |
| PEC0809B020100 | 20mm | 100m | | |
| PEC0811B025025 | 25mm | 25m | 11 (12.5 bar) | |
| PEC0811B025050 | 25mm | 50m | | |
| PEC0811B025100 | 25mm | 100m | | |
| PEC0811B032025 | 32mm | 25m | 11 (12.5 bar) | |
| PEC0811B032050 | 32mm | 50m | | |
| PEC0811B032100 | 32mm | 100m | | |
| PEC0811B050025 | 50mm | 25m | 11 (12.5 bar) | |
| PEC0811B050050 | 50mm | 50m | | |
| PEC0811B050100 | 50mm | 100m | | |
| PEC0811B063025 | 63mm | 25m | 11 (12.5 bar) | |
| PEC0811B063050 | 63mm | 50m | | |
| PEC0811B063100 | 63mm | 100m | | |

LAND DRAINAGE PIPE

Single Wall Land Drainage Pipe

Excess water can lead to restricted land access, reduced crop yields, erosion and environmental damage. Effectively manage your water table with our Single Wall Land Drainage Pipe.

Also available on request are other sizes of perforated and un-perforated pipe and as Twin-wall for ducting and water transportation.



| CODE | O.D. | PERF. | COIL | PRICE |
|------------|-------|-------|------|-------|
| PLD080025P | 80mm | Yes | 25m | |
| PLD080050P | 80mm | Yes | 50m | |
| PLD080100P | 80mm | Yes | 100m | |
| PLD100050P | 100mm | Yes | 50m | |
| PLD100100P | 100mm | Yes | 100m | |
| PLD100100 | 100mm | No | 100m | |
| PLD160050 | 160mm | No | 50m | |
| PLD160050P | 160mm | Yes | 50m | |

Drainage Pipe Fittings



| CODE | DESCRIPTION | PRICE |
|---------|-----------------------------------|-------|
| PLDJ080 | 80mm Joiner | |
| PLDJ100 | 100mm Joiner | |
| PLDJ160 | 160mm Joiner | |
| PLDJ225 | 225mm Joiner | |
| PLDY125 | 60/125mm Y-Piece | |
| PLDY100 | 80/100mm x 60/100mm Maxi Y Piece | |
| PLDY160 | 125/160mm x 60/160mm Maxi Y Piece | |
| PLDS160 | 160mm Stop End | |

Twin Wall Pipe & Fittings

The complete technical and commercial answer to all non-pressure, surface and sub-surface water drainage applications.

Twin Wall comprises of two HDPE pipes which are extruded simultaneously, one inside the other, and heat welded together in one continuous process. The pipes are black in colour, the outer wall being corrugated and the inner wall having a smooth finish to assist the hydraulic flow. A comprehensive range of push-fit fittings and sealing rings are also available for each diameter.



| CODE | DIAMETER | LENGTH | PRICE / LENGTH |
|---------|----------|--------|----------------|
| PTWD110 | 110mm | 6m | |
| PTWD225 | 225mm | 6m | |
| PTWD300 | 300mm | 6m | |
| PTWD450 | 450mm | 6m | |

RAINWATER PIPE

PVC Rainwater Pipe

Class SN2

With Rubber Sealing Ring, 5m or 6m Lengths



| CODE | O.D. x Wall Thickness | PRICE PER M |
|-----------|-----------------------|-------------|
| RARP51110 | 110 x 2.2mm | |
| RARP51125 | 125 x 2.5mm | |
| RARP51160 | 160 x 3.2mm | |
| RARP51200 | 200 x 4.0mm | |
| RARP51250 | 250 x 4.9mm | |
| RARP51315 | 315 x 6.2mm | |

Our extensive range of Rainwater fittings can be found on page 138

PVC IRRIGATION PIPE

Imperial PVC Pipe

Class D Pressure Pipe

Plain Ends, 6m Lengths



| CODE | SIZE | BAR | LENGTH | PRICE LENGTH |
|--------|--------|-----|--------|--------------|
| PCD125 | 1 1/4" | 12 | 6.0 | |
| PCD150 | 1 1/2" | 12 | 6.0 | |
| PCD200 | 2" | 9 | 6.0 | |
| PCD300 | 3" | 12 | 6.0 | |

PVC IRRIGATION PIPE

Metric PVC Pipe

10 bar

Solvent Weld,

5m Lengths

Suitable for water supply in all irrigation systems both above and below ground. Socketed for solvent cement join.



| CODE | O.D. x Wall Thickness | PRICE PER LENGTH |
|---------|-----------------------|------------------|
| P160016 | 16 x 1.0mm | |
| P100020 | 20 x 1.0mm | |
| P100025 | 25 x 1.25mm | |
| P100032 | 32 x 1.8mm | |
| P100040 | 40 x 2.0mm | |
| P100050 | 50 x 2.4mm | |
| P100063 | 63 x 2.4mm | |
| P100075 | 75 x 2.9mm | |
| P100090 | 90 x 3.5mm | |
| P100110 | 110 x 4.2mm | |
| P100125 | 125 x 4.8mm | |
| P100160 | 160 x 6.2mm | |

PVC Sprayline

Solvent Weld,

Ø 32 x 1.8mm

10 bar



| CODE | LENGTH | SPACING | DRILLING | PRICE LENGTH |
|-------|--------|---------|----------|--------------|
| PS511 | 5.04m | 100cm | M11 | |
| PS311 | 4.54m | 150cm | M11 | |
| PS538 | 5.04m | 100cm | ¾WW | |
| PS338 | 4.54m | 150cm | ¾WW | |

Adhesives & Cleaners



| CODE | DESCRIPTION | SIZE | PRICE |
|-------------|--------------------|---------|-------|
| SEA28100250 | SABA 2810 | 250ml | |
| SEA28101000 | | 1 Litre | |
| SEAS30250 | SABA S3 | 250ml | |
| SEAS31000 | | 1 Litre | |
| SEAWD0250 | Weld-On Wet 'R Dry | 250ml | |
| SEACF0250 | Cleaning Fluid | 250ml | |
| SEACF0650 | | 650ml | |

PIPE CLAMPS & CLIPS

Pipe Clamp

| CODE | Ø mm | PRICE |
|----------|------|-------|
| VD525016 | 16 | |
| VD525020 | 20 | |
| VD525025 | 25 | |
| VD525032 | 32 | |
| VD525040 | 40 | |
| VD525050 | 50 | |
| VD525063 | 63 | |
| VD525075 | 75 | |
| VD525090 | 90 | |
| VD525110 | 110 | |
| VD525125 | 125 | |
| VD525160 | 160 | |



With clip only from 40mm and up

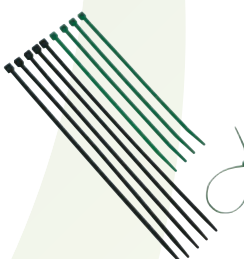


Pipe Clamp Spacing Block

| CODE | Ø mm | PRICE |
|----------|------|-------|
| VD524016 | 16 | |
| VD524020 | 20 | |
| VD524025 | 25 | |
| VD524032 | 32 | |
| VD524040 | 40 | |
| VD524050 | 50 | |
| VD524063 | 63 | |
| VD524075 | 75 | |
| VD524090 | 90 | |
| VD524110 | 110 | |
| VD524160 | 160 | |

Cable Ties (BS 5750)

Many uses from supporting pipe to sealing bags. Colour is black, UV stabilised - other colours available on request as well as releasable ties too.



| CODE | SIZE | QUANTITY | PRICE |
|----------|-------------|----------|-------|
| CT10025B | 4" x 3/32" | 100 | |
| CT16048B | 6" x 3/16" | 100 | |
| CT20048B | 8" x 3/16" | 100 | |
| CT30048B | 12" x 3/16" | 100 | |
| CT37076B | 15" x 5/16" | 100 | |
| CT53048B | 21" x 3/16" | 100 | |

Galv. Wire Hooks

Use at every 1m of pipe for sprayline support. Other sizes available.



| CODE | SIZE | PRICE |
|------|------|-------|
| H16 | 16cm | |
| H20 | 20cm | |
| H24 | 24cm | |
| H28 | 28cm | |
| H40 | 40cm | |
| H60 | 60cm | |

Tylene Clip

Plastic clip that supports pipe by fastening to the straining wire. Used in tunnels and glasshouses where there is little headroom. Size fits outside diameter of pipe.



| CODE | SIZE | PRICE |
|------|------|-------|
| HT16 | 16mm | |
| HT20 | 20mm | |
| HT25 | 25mm | |
| HT32 | 32mm | |

METRIC PVC FITTINGS

The majority of our fittings are designed for a maximum service life of 50 years with a pressure rating of PN16 (16 bar at 20°C). For gluing we recommend that cleaning fluid is applied beforehand:

- Fittings of 40mm or less - SABA 914 glue
- Fittings of 50mm or more - SABA S3 glue

Socket [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD390010 | 10 | 16 | |
| VD390012 | 12 | 16 | |
| VD390016 | 16 | 16 | |
| VD390020 | 20 | 16 | |
| VD390025 | 25 | 16 | |
| VD390032 | 32 | 16 | |
| VD390040 | 40 | 16 | |
| VD390050 | 50 | 16 | |
| VD390063 | 63 | 16 | |
| VD390075 | 75 | 16 | |
| VD390090 | 90 | 16 | |
| VD390110 | 110 | 16 | |
| VD390125 | 125 | 16 | |
| VD390160 | 160 | 16 | |

Conversion Socket [Plain]

Metric to Imperial

| CODE | Ø mm | Ø | BAR | PRICE |
|----------|-------|-----|-----|-------|
| VD394020 | 20mm | ½" | 16 | |
| VD394025 | 25mm | ¾" | 16 | |
| VD394032 | 32mm | 1" | 16 | |
| VD394040 | 40mm | 1¼" | 16 | |
| VD394050 | 50mm | 1½" | 16 | |
| VD394063 | 63mm | 2" | 16 | |
| VD394090 | 90mm | 3" | 16 | |
| VD394110 | 110mm | 4" | 16 | |

Reducing Socket [Plain]

| CODE | Ø mm | Ø mm | BAR | PRICE |
|----------|---------|------|-----|-------|
| VD392025 | 25/20 | 12 | 16 | |
| VD392041 | 40/32 | 20 | 16 | |
| VD392052 | 50/40 | 32 | 16 | |
| VD392064 | 63/50 | 32 | 16 | |
| VD392065 | 63/50 | 40 | 16 | |
| VD392076 | 75/63 | 40 | 16 | |
| VD392077 | 75/63 | 50 | 16 | |
| VD392092 | 90/75 | 63 | 16 | |
| VD392112 | 110/90 | 75 | 16 | |
| VD392125 | 125/110 | 63 | 16 | |
| VD393161 | 160/140 | 110 | 16 | |

Socket [BSP(Fm)]

| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| VD326010 | ¼" | 16 | |
| VD326015 | ⅜" | 10 | |
| VD326020 | ½" | 10 | |
| VD326025 | ¾" | 10 | |
| VD326030 | 1" | 10 | |
| VD326035 | 1¼" | 10 | |
| VD326040 | 1½" | 10 | |
| VD326045 | 2" | 10 | |

Socket [Plain x BSP(Fm)]

| CODE | Ø mm | BSP(Fm) | BAR | PRICE |
|----------|------|---------|-----|-------|
| VD325020 | 20 | ½" | 10 | |
| VD325026 | 25 | ½" | 16 | |
| VD325030 | 25 | ¾" | 10 | |
| VD325036 | 32 | ½" | 16 | |
| VD325041 | 32 | ¾" | 16 | |
| VD325045 | 32 | 1" | 10 | |
| VD325051 | 40 | 1" | 16 | |
| VD325055 | 40 | 1¼" | 10 | |
| VD325061 | 50 | 1¼" | 16 | |
| VD325065 | 50 | 1½" | 10 | |
| VD325069 | 63 | 1½" | 16 | |
| VD325070 | 63 | 2" | 10 | |
| VD325081 | 75 | 2½" | 10 | |
| VD325091 | 90 | 3" | 10 | |
| VD325101 | 110 | 4" | 10 | |

Nipple [BSP(M)]

| CODE | BSP(M) | BSP(M) | BAR | PRICE |
|----------|--------|--------|-----|-------|
| VD335035 | ¼" | ¼" | 16 | |
| VD335040 | ⅜" | ¼" | 16 | |
| VD335045 | ⅜" | ⅜" | 16 | |
| VD335050 | ½" | ⅜" | 16 | |
| VD335055 | ½" | ½" | 16 | |
| VD335060 | ¾" | ½" | 16 | |
| VD335065 | ¾" | ¾" | 16 | |
| VD335070 | 1" | ¾" | 16 | |
| VD335075 | 1" | 1" | 16 | |
| VD335080 | 1¼" | 1" | 16 | |
| VD335085 | 1¼" | 1¼" | 16 | |
| VD335090 | 1½" | 1¼" | 16 | |
| VD335095 | 1½" | 1½" | 16 | |
| VD335100 | 2" | 1½" | 16 | |
| VD335105 | 2" | 2" | 16 | |
| VD150030 | 3" | 3" | 16 | |

METRIC PVC FITTINGS



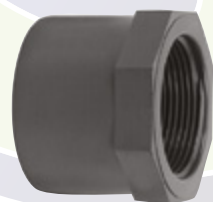
Hex Ad. [Plain x BSP(M)]

| CODE | Ø mm | BSP(M) | BAR | PRICE |
|----------|--------|--------|-----|-------|
| VD315040 | 16 | ½" | 16 | |
| VD315050 | 20 | ½" | 16 | |
| VD315055 | 20 | ¾" | 16 | |
| VD315060 | 25/32 | ½" | 16 | |
| VD315065 | 25/32 | ¾" | 16 | |
| VD315070 | 25/32 | 1" | 16 | |
| VD315075 | 32/40 | ½" | 16 | |
| VD315080 | 32/40 | ¾" | 16 | |
| VD315085 | 32/40 | 1" | 16 | |
| VD315090 | 32/40 | 1¼" | 16 | |
| VD315095 | 40/50 | 1" | 16 | |
| VD315100 | 40/50 | 1¼" | 16 | |
| VD315105 | 40/50 | 1½" | 16 | |
| VD315110 | 50/63 | 1" | 16 | |
| VD315115 | 50/63 | 1¼" | 16 | |
| VD315120 | 50/63 | 1½" | 16 | |
| VD315125 | 50/63 | 2" | 16 | |
| VD315130 | 63/75 | 1¼" | 16 | |
| VD315135 | 63/75 | 1½" | 16 | |
| VD315140 | 63/75 | 2" | 16 | |
| VD315150 | 75/90 | 2" | 16 | |
| VD315160 | 75/90 | 3" | 16 | |
| VD315170 | 90/110 | 3" | 16 | |
| VD315175 | 90/110 | 4" | 16 | |
| VD315180 | 110 | 3" | 16 | |
| VD315185 | 110 | 4" | 16 | |



Reducing Ring [Plain]

| CODE | Ø mm | Ø mm | BAR | PRICE |
|----------|------|------|-----|-------|
| VD305020 | 20 | 16 | 16 | |
| VD305025 | 25 | 16 | 16 | |
| VD305026 | 25 | 20 | 16 | |
| VD305032 | 32 | 16 | 16 | |
| VD305033 | 32 | 20 | 16 | |
| VD305034 | 32 | 25 | 16 | |
| VD305041 | 40 | 20 | 16 | |
| VD305042 | 40 | 25 | 16 | |
| VD305043 | 40 | 32 | 16 | |
| VD305051 | 50 | 25 | 16 | |
| VD305052 | 50 | 32 | 16 | |
| VD305053 | 50 | 40 | 16 | |
| VD305064 | 63 | 32 | 16 | |
| VD305065 | 63 | 40 | 16 | |
| VD305066 | 63 | 50 | 16 | |
| VD305075 | 75 | 32 | 16 | |
| VD305076 | 75 | 40 | 16 | |
| VD305077 | 75 | 50 | 16 | |
| VD305078 | 75 | 63 | 16 | |
| VD305090 | 90 | 50 | 16 | |
| VD305091 | 90 | 63 | 16 | |
| VD305092 | 90 | 75 | 16 | |
| VD305112 | 110 | 75 | 16 | |
| VD305113 | 110 | 90 | 16 | |
| VD305127 | 125 | 110 | 16 | |
| VD305162 | 160 | 125 | 16 | |



Reducing Bush [Plain x BSP(Fm)]

| CODE | Ø mm | BSP(Fm) | BAR | PRICE |
|----------|------|---------|-----|-------|
| VD310020 | 20 | ¼" | 16 | |
| VD310026 | 25 | ½" | 16 | |
| VD310032 | 32 | ½" | 16 | |
| VD310033 | 32 | ¾" | 16 | |
| VD310040 | 40 | ¾" | 16 | |
| VD310041 | 40 | 1" | 16 | |
| VD310050 | 50 | 1" | 16 | |
| VD310051 | 50 | 1¼" | 16 | |
| VD310062 | 63 | 1" | 16 | |
| VD310063 | 63 | 1¼" | 16 | |
| VD310064 | 63 | 1½" | 16 | |
| VD310075 | 75 | 1½" | 16 | |
| VD310076 | 75 | 2" | 16 | |
| VD310112 | 110 | 3" | 16 | |



Bend 90° [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|------|-------|
| VD220025 | 25 | 16 | |
| VD105032 | 32 | 10 | |
| VD105040 | 40 | 10 | |
| VD105050 | 50 | 10 | |
| VD105063 | 63 | 10 | |
| VD105075 | 75 | 10 | |
| VD105090 | 90 | 16 | |
| VD105110 | 110 | 12.5 | |
| VD105160 | 160 | 12.5 | |



Bend 45° [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|------|-------|
| VD115032 | 32 | 10 | |
| VD115040 | 40 | 10 | |
| VD115050 | 50 | 10 | |
| VD115063 | 63 | 10 | |
| VD115075 | 75 | 10 | |
| VD116090 | 90 | 16 | |
| VD115110 | 110 | 12.5 | |
| VD115125 | 125 | 12.5 | |
| VD115160 | 160 | 12.5 | |

METRIC PVC FITTINGS



Elbow 90° [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD225012 | 12 | 16 | |
| VD225016 | 16 | 16 | |
| VD225020 | 20 | 16 | |
| VD225025 | 25 | 16 | |
| VD225032 | 32 | 16 | |
| VD225041 | 40 | 10 | |
| VD225051 | 50 | 10 | |
| VD225064 | 63 | 10 | |
| VD225075 | 75 | 16 | |
| VD225090 | 90 | 16 | |
| VD225110 | 110 | 16 | |
| VD225160 | 160 | 16 | |



Elbow 45° [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD230012 | 12 | 16 | |
| VD230016 | 16 | 16 | |
| VD230020 | 20 | 16 | |
| VD230025 | 25 | 16 | |
| VD230032 | 32 | 16 | |
| VD230040 | 40 | 16 | |
| VD230050 | 50 | 16 | |
| VD230063 | 63 | 16 | |
| VD230075 | 75 | 16 | |
| VD230090 | 90 | 16 | |
| VD230110 | 110 | 16 | |
| VD230160 | 160 | 16 | |



Reducing Elbow 90° [Plain]

| CODE | Ø mm | Ø mm | BAR | PRICE |
|----------|------|-------|-----|-------|
| VD226011 | 40 | 32/40 | 10 | |
| VD226021 | 50 | 32/40 | 10 | |
| VD226031 | 50 | 40/50 | 10 | |



Elbow 90° [Plain x BSP(M)]

| CODE | Ø mm | BSP(M) | BAR | PRICE |
|----------|------|--------|-----|-------|
| VD229010 | 20 | ¾" | 16 | |
| VD229020 | 25 | 1" | 16 | |
| VD229030 | 32 | ¾" | 10 | |
| VD229040 | 32 | 1" | 10 | |
| VD229051 | 32 | 1¼" | 10 | |
| VD229061 | 40 | 1¼" | 10 | |
| VD229071 | 40 | 1½" | 10 | |
| VD229081 | 50 | 1¼" | 10 | |
| VD229091 | 50 | 1½" | 10 | |



S-Bend [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD110032 | 32 | 10 | |
| VD110050 | 50 | 10 | |



Elbow 90° [Plain x BSP(Fm)]

| CODE | Ø mm | BSP(Fm) | BAR | PRICE |
|----------|------|---------|-----|-------|
| VD235020 | 20 | ½" | 10 | |
| VD235025 | 25 | ¾" | 10 | |
| VD235032 | 32 | 1" | 10 | |
| VD235040 | 40 | 1¼" | 10 | |
| VD235050 | 50 | 1½" | 10 | |
| VD235063 | 63 | 2" | 10 | |



Tee [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD201016 | 16 | 16 | |
| VD201020 | 20 | 16 | |
| VD201025 | 25 | 16 | |
| VD201033 | 32 | 10 | |
| VD201041 | 40 | 10 | |
| VD201051 | 50 | 10 | |
| VD201064 | 63 | 10 | |
| VD201075 | 75 | 16 | |
| VD201090 | 90 | 16 | |
| VD201110 | 110 | 16 | |
| VD201125 | 125 | 16 | |
| VD201160 | 160 | 16 | |



Tee 45° [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD208032 | 32 | 16 | |
| VD208040 | 40 | 16 | |
| VD208050 | 50 | 16 | |
| VD208063 | 63 | 10 | |
| VD208075 | 75 | 10 | |



Cross [Plain]

| CODE | Ø mm | Ø mm | BAR | PRICE |
|----------|------|------|-----|-------|
| VD250020 | 20 | | 16 | |
| VD250025 | 25 | | 16 | |
| VD250032 | 32 | | 16 | |
| VD250039 | 40 | 32 | 16 | |
| VD250040 | 40 | | 16 | |
| VD250049 | 50 | 32 | 16 | |
| VD250050 | 50 | | 16 | |
| VD250063 | 63 | | 16 | |
| VD250075 | 75 | | 10 | |
| VD250090 | 90 | | 10 | |
| VD250110 | 110 | | 10 | |

METRIC PVC FITTINGS



Reducing Tee [Plain]

| CODE | Ø mm | Ø mm | BAR | PRICE |
|----------|------|------|-----|-------|
| VD203010 | 25 | 20 | 16 | |
| VD203015 | 32 | 20 | 16 | |
| VD203020 | 32 | 25 | 16 | |
| VD203025 | 40 | 25 | 16 | |
| VD203031 | 40 | 32 | 10 | |
| VD203035 | 50 | 25 | 16 | |
| VD203041 | 50 | 32 | 10 | |
| VD203046 | 50 | 40 | 10 | |
| VD203055 | 63 | 32 | 16 | |
| VD203060 | 63 | 40 | 16 | |
| VD203065 | 63 | 50 | 16 | |
| VD203070 | 75 | 32 | 16 | |
| VD203075 | 75 | 40 | 16 | |
| VD203080 | 75 | 50 | 16 | |
| VD203085 | 75 | 63 | 16 | |
| VD203090 | 90 | 32 | 16 | |
| VD203095 | 90 | 50 | 16 | |
| VD203097 | 90 | 63 | 16 | |
| VD203100 | 90 | 75 | 16 | |
| VD203105 | 110 | 32 | 16 | |
| VD203112 | 110 | 75 | 16 | |
| VD203115 | 110 | 90 | 16 | |
| VD203154 | 160 | 90 | 16 | |



Tee [Plain x BSP(Fm)]

| CODE | Ø mm | BSP(Fm) | BAR | PRICE |
|----------|------|---------|-----|-------|
| VD207020 | 20 | ½" | 10 | |
| VD207025 | 25 | ¾" | 10 | |
| VD207032 | 32 | 1" | 10 | |
| VD207040 | 40 | 1¼" | 10 | |
| VD207050 | 50 | 1½" | 10 | |
| VD207063 | 63 | 2" | 10 | |



Cap [BSP(Fm)] *supplied with washer*

| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| VD340010 | ⅜" | 10 | |
| VD340020 | ½" | 10 | |
| VD340030 | ¾" | 10 | |
| VD340040 | 1" | 10 | |
| VD340050 | 1¼" | 10 | |
| VD340060 | 1½" | 10 | |
| VD340072 | 2" | 10 | |
| VD340092 | 3" | 10 | |
| VD340102 | 4" | 6 | |



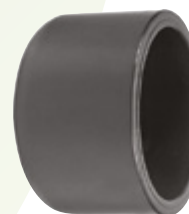
Cap Washer [EPDM Rubber]

| CODE | Ø (external) | PRICE |
|----------|--------------|-------|
| VD805010 | ½" | |
| VD805015 | ¾" | |
| VD805020 | 1" | |
| VD805025 | 1¼" | |
| VD805030 | 1½" | |
| VD805035 | 2" | |



Tee [Plain x BSP(M)]

| CODE | Ø mm | BSP(M) | BAR | PRICE |
|----------|------|--------|-----|-------|
| VD205015 | 20 | ¾" | 16 | |
| VD205020 | 25 | ¾" | 16 | |
| VD205025 | 25 | 1" | 16 | |
| VD205030 | 32 | ¾" | 16 | |
| VD205035 | 32 | 1" | 16 | |
| VD205046 | 32 | 1¼" | 10 | |
| VD205060 | 40 | 1" | 16 | |
| VD205066 | 40 | 1¼" | 10 | |
| VD205071 | 40 | 1½" | 10 | |
| VD205075 | 50 | 1" | 16 | |
| VD205081 | 50 | 1¼" | 10 | |
| VD205086 | 50 | 1½" | 10 | |
| VD205090 | 63 | 1" | 16 | |
| VD205095 | 63 | 1¼" | 16 | |
| VD205100 | 63 | 1½" | 16 | |
| VD205105 | 63 | 2" | 16 | |
| VD205110 | 75 | 1¼" | 16 | |
| VD205120 | 75 | 2" | 16 | |



Cap [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD355016 | 16 | 16 | |
| VD355020 | 20 | 16 | |
| VD355025 | 25 | 16 | |
| VD355032 | 32 | 16 | |
| VD355040 | 40 | 16 | |
| VD355050 | 50 | 16 | |
| VD355063 | 63 | 16 | |
| VD355075 | 75 | 16 | |
| VD355090 | 90 | 16 | |
| VD355110 | 110 | 16 | |
| VD355125 | 125 | 16 | |
| VD355160 | 160 | 16 | |



Tee [BSP(M) x Plain]

| CODE | BSP(M) | Ø mm | BAR | PRICE |
|----------|--------|------|-----|-------|
| VD205041 | 1" | 32 | 10 | |
| VD205051 | 1¼" | 32 | 10 | |
| VD205067 | 1¼" | 40 | 10 | |

METRIC PVC FITTINGS



Plug [BSP(M)]

| CODE | BSP(M) | BAR | PRICE |
|----------|--------|-----|-------|
| VD345025 | 1/4" | 16 | |
| VD345030 | 3/8" | 16 | |
| VD345040 | 1/2" | 16 | |
| VD345045 | 3/4" | 16 | |
| VD345050 | 1" | 16 | |
| VD345055 | 1 1/4" | 16 | |
| VD345060 | 1 1/2" | 16 | |
| VD345065 | 2" | 16 | |



End Set [Plain x BSP]

| CODE | Ø mm | BSP | BAR | PRICE |
|----------|-------|--------|-----|-------|
| VD377020 | 20 | 1/2" | 10 | |
| VD377025 | 25/32 | 3/4" | 10 | |
| VD377032 | 32/40 | 1" | 10 | |
| VD377035 | 32/40 | 1 1/4" | 10 | |
| VD377040 | 40/50 | 1 1/4" | 10 | |



Drain Valve

| CODE | Ø mm | BAR | PRICE |
|----------|---------------------|-----|-------|
| VD380020 | unit only 1 1/4"(F) | 6 | |
| VD380025 | unit + elbow 32 | 6 | |

NOTE: Used to drain excess water from spraylines after watering to stop spray nozzles from dripping onto crop. We do not recommend Drain Valves to be used with Anti-drip Nozzles.

Filter 32

| CODE | Ø mm | PRICE |
|----------|-------------------|-------|
| VD530032 | 30(d1) x 23mm(d2) | |

3/3 Union [Socketed Fm Type A]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD375020 | 32 | 7.5 | |

NOTE: When used with the above Filter - please use an extra O-Ring seal.

2/3 Union [Socket x BSP(Fm)]

| CODE | Ø mm | BSP(Fm) | BAR | PRICE |
|----------|------|---------|-----|-------|
| VD375030 | 32 | 1 1/4" | 7.5 | |

Union [Plain x BSP(Fm)]

| CODE | Ø mm | BSP(M) | BAR | PRICE |
|----------|------|--------|-----|-------|
| VD365025 | 25 | 3/4" | 10 | |
| VD365032 | 32 | 1" | 10 | |
| VD365040 | 40 | 1 1/4" | 10 | |
| VD365050 | 50 | 1 1/2" | 10 | |
| VD365063 | 63 | 2" | 10 | |
| VD365090 | 90 | 3" | 10 | |



Union [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD360012 | 12 | 16 | |
| VD360016 | 16 | 16 | |
| VD360020 | 20 | 16 | |
| VD360025 | 25 | 16 | |
| VD360032 | 32 | 16 | |
| VD360040 | 40 | 16 | |
| VD360050 | 50 | 16 | |
| VD360063 | 63 | 16 | |
| VD360075 | 75 | 10 | |
| VD360090 | 90 | 10 | |
| VD360110 | 110 | 10 | |



Union [Plain x BSP(M)]

| CODE | Ø mm | BSP(M) | BAR | PRICE |
|----------|------|--------|-----|-------|
| VD370025 | 25 | 3/4" | 16 | |
| VD370032 | 32 | 1" | 16 | |
| VD370040 | 40 | 1 1/4" | 16 | |
| VD370050 | 50 | 1 1/2" | 16 | |
| VD370063 | 63 | 2" | 16 | |



Tank Outlet [Plain x BSP(M)]

| CODE | Ø mm | BSP(M) | PRICE |
|----------|-----------|--------|-------|
| VD516020 | 20/25 | 3/4" | |
| VD516021 | 20/3/4" | 3/4" | |
| VD516025 | 25/32 | 1" | |
| VD516026 | 25/1" | 1" | |
| VD516034 | 32/40 | 1 1/4" | |
| VD516041 | 40/50 | 1 3/4" | |
| VD516042 | 40/1 1/2" | 1 3/4" | |
| VD516048 | 50/63 | 2" | |
| VD516049 | 50/2" | 2" | |
| VD516065 | 63/75 | 2 1/2" | |
| VD516075 | 75/90 | 3" | |



O-Ring for Threaded Union

| CODE | Ø mm (I.D. x thickness) | PRICE |
|----------|-------------------------|-------|
| VD806020 | 20mm (20.22 x 3.53) | |
| VD806025 | 25mm (28.17 x 3.53) | |
| VD806032 | 32mm (32.92 x 3.53) | |
| VD806040 | 40mm (40.64 x 5.33) | |
| VD806050 | 50mm (46.99 x 5.33) | |
| VD806063 | 63mm (59.69 x 5.33) | |
| VD806075 | 75mm (78.74 x 5.33) | |
| VD806090 | 90mm (97.79 x 5.33) | |



METRIC PVC FITTINGS

IBC Adaptors [Female thread x Female thread]

IBC off-load adaptors used for converting IBC Buttress Thread to BSP which are designed to be quick, secure, easy to maintain and compatible with the vast majority of products transported in IBC's.

Moulded in food grade glass coupled polypropylene; seals included as standard. All bagged and labelled for easy identification and cleanliness.



| CODE | DESCRIPTION | PICTURE | PRICE |
|----------------|---|--|-------|
| IBCAD200FS1008 | 2"BSP(F) x S100X8(F) Buttress G/P/P c/w Seals |  | |
| IBCAD125FS606 | 1 1/4"BSP(F) x S60X6(F) Buttress G/P/P c/w Seals |  | |
| IBCAD150FS606 | 1 1/2"BSP(F) x S60X6(F) Buttress G/P/P c/w Seals | | |
| IBCAD200FS606 | 2"BSP(F) x S60X6(F) Buttress G/P/P c/w Seals | | |

Full Face Rubber Flange Gaskets PN16



| CODE | DIAMETER | HOLES | PRICE |
|-----------|----------------|-------|-------|
| FPGR1504H | 50mm (1 1/2") | 4 | |
| FPGR2004H | 63mm (2") | 4 | |
| FPGR2504H | 75mm (2 1/2") | 4 | |
| FPGR3008H | 90mm (3") | 8 | |
| FPGR4008H | 110mm (4") | 8 | |
| FPGR6008H | 160/180mm (6") | 8 | |
| FPGR8008H | 200/225mm (8") | 8 | |



PVC Backing Flange

| CODE | Ø mm | NxD | BAR | PRICE |
|----------|------|------|-----|-------|
| VD372032 | 32 | 4x16 | | |
| VD372040 | 40 | 4x18 | | |
| VD372050 | 50 | 4x18 | | |
| VD372063 | 63 | 4x18 | | |
| VD372075 | 75 | 4x18 | | |
| VD372090 | 90 | 8x18 | | |
| VD372110 | 110 | 8x18 | | |
| VD372125 | 125 | 8x18 | | |
| VD372160 | 160 | 8x22 | 10 | |
| VD372200 | 200 | 8x22 | 10 | |
| VD372250 | 250 | 8x22 | 10 | |



PVC Flange Adaptor

| CODE | Ø mm | PRICE |
|----------|------|-------|
| VD372033 | 32 | |
| VD372041 | 40 | |
| VD372051 | 50 | |
| VD372064 | 63 | |
| VD372076 | 75 | |
| VD372091 | 90 | |
| VD372111 | 110 | |
| VD372126 | 125 | |
| VD372161 | 160 | |
| VD372201 | 200 | |
| VD372251 | 250 | |

Flange Nuts, Bolts & Washers

| CODE | SIZE | PRICE |
|------------|------------------|-------|
| FIXM16B045 | M16 x 45mm Bolt | |
| FIXM16B060 | M16 x 60mm Bolt | |
| FIXM16B070 | M16 x 70mm Bolt | |
| FIXM16B080 | M16 x 80mm Bolt | |
| FIXM16B090 | M16 x 90mm Bolt | |
| FIXM16B100 | M16 x 100mm Bolt | |
| FIXM16B110 | M16 x 110mm Bolt | |
| FIXM16B120 | M16 x 120mm Bolt | |
| FIXM16N | M16 Nut | |
| FIXM16W | M16 Washer | |



Gasket for Flange

| CODE | Ø mm | PRICE |
|----------|------|-------|
| VD804032 | 32 | |
| VD804040 | 40 | |
| VD804050 | 50 | |
| VD804063 | 63 | |
| VD804075 | 75 | |
| VD804090 | 90 | |
| VD804110 | 110 | |
| VD804125 | 125 | |
| VD804160 | 160 | |
| VD804200 | 200 | |
| VD804250 | 250 | |



METRIC PVC VALVES



PVC Single Union Valve [Plain]

| CODE | Ø mm | PRICE |
|----------|------|-------|
| VD605020 | 20 | |
| VD605025 | 25 | |
| VD605032 | 32 | |
| VD605040 | 40 | |
| VD605050 | 50 | |
| VD605063 | 63 | |
| VD605075 | 75 | |
| VD605090 | 90 | |
| VD605110 | 110 | |



Imp. Dbl Union Valve [Plain]

| CODE | DIAMETER | BAR | PRICE |
|----------|----------|-----|-------|
| VD613020 | 1/2" | 16 | |
| VD613025 | 3/4" | 16 | |
| VD613032 | 1" | 16 | |
| VD613040 | 1 1/4" | 16 | |
| VD613050 | 1 1/2" | 16 | |
| VD613063 | 2" | 16 | |
| VD613090 | 3" | 10 | |
| VD613110 | 4" | 10 | |



PVC Double Union Valve [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD615016 | 16 | 16 | |
| VD615020 | 20 | 16 | |
| VD615025 | 25 | 16 | |
| VD615032 | 32 | 16 | |
| VD615040 | 40 | 16 | |
| VD615050 | 50 | 16 | |
| VD615063 | 63 | 16 | |
| VD615075 | 75 | 10 | |
| VD615090 | 90 | 10 | |
| VD615110 | 110 | 10 | |



PVC Check Valve [Plain]

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| VD660025 | 25 | 16 | |
| VD660032 | 32 | 16 | |
| VD660040 | 40 | 16 | |
| VD660050 | 50 | 16 | |
| VD660063 | 63 | 16 | |
| VD660075 | 75 | 10 | |
| VD660090 | 90 | 10 | |
| VD660110 | 110 | 10 | |



PVC Butterfly Valve including Flanges & Fasteners 16 bar

| CODE | Ø mm | PRICE |
|----------|------|-------|
| VD678075 | 75 | |
| VD678090 | 90 | |
| VD678110 | 110 | |
| VD678160 | 160 | |



PVC Non Return Valve

| CODE | Ø mm | Nom. I.D. | PRICE |
|----------|------|-----------|-------|
| VD422016 | 16 | 1/2" | |
| VD422020 | 20 | 5/8" | |
| VD422025 | 25 | 3/4" | |



PVC Valve Seal Kits EPDM

| CODE | Ø mm | PRICE |
|----------|------|-------|
| VD640020 | 20 | |
| VD640025 | 25 | |
| VD640032 | 32 | |
| VD640040 | 40 | |
| VD640050 | 50 | |
| VD640063 | 63 | |
| VD640075 | 75 | |
| VD640090 | 90 | |



Flushing Valve [Barb]

| CODE | Ø mm | Nom. I.D. | PRICE |
|----------|------|-----------|-------|
| NK374016 | 16 | 1/2" | |



Ball Valve [BSP(FmxM)]

| CODE | BSP(Fm) | BSP(M) | PRICE |
|----------|---------|--------|-------|
| NK370901 | 3/4" | 3/4" | |

IMPERIAL PVC FITTINGS



Socket [Plain]

| CODE | DIAMETER | BAR | PRICE |
|----------|----------|-----|-------|
| VD391020 | ½" | 16 | |
| VD391025 | ¾" | 16 | |
| VD391032 | 1" | 16 | |
| VD391040 | 1¼" | 16 | |
| VD391050 | 1½" | 16 | |
| VD391063 | 2" | 16 | |
| VD391075 | 2½" | 16 | |
| VD391090 | 3" | 16 | |
| VD391110 | 4" | 16 | |



Tee [Plain]

| CODE | DIAMETER | BAR | PRICE |
|----------|----------|-----|-------|
| VD204020 | ½" | 16 | |
| VD204025 | ¾" | 16 | |
| VD204032 | 1" | 16 | |
| VD204040 | 1¼" | 16 | |
| VD204050 | 1½" | 16 | |
| VD204063 | 2" | 16 | |
| VD204090 | 3" | 16 | |
| VD204110 | 4" | 16 | |



Socket [Plain x BSP(Fm)]

| CODE | Ø | BSP(Fm) | BAR | PRICE |
|----------|-----|---------|-----|-------|
| VD324021 | ½" | ½" | 16 | |
| VD324030 | ¾" | ½" | 16 | |
| VD324031 | ¾" | ¾" | 16 | |
| VD324044 | 1" | ½" | 16 | |
| VD324045 | 1" | ¾" | 16 | |
| VD324046 | 1" | 1" | 16 | |
| VD324054 | 1¼" | ¾" | 16 | |
| VD324055 | 1¼" | 1" | 16 | |
| VD324056 | 1¼" | 1¼" | 16 | |
| VD324064 | 1½" | 1" | 16 | |
| VD324065 | 1½" | 1¼" | 16 | |
| VD324066 | 1½" | 1½" | 16 | |
| VD324069 | 2" | 1¼" | 16 | |
| VD324070 | 2" | 1½" | 16 | |
| VD324071 | 2" | 2" | 16 | |



Elbow 90° [Plain]

| CODE | DIAMETER | BAR | PRICE |
|----------|----------|-----|-------|
| VD227020 | ½" | 16 | |
| VD227025 | ¾" | 16 | |
| VD227032 | 1" | 16 | |
| VD227040 | 1¼" | 16 | |
| VD227050 | 1½" | 16 | |
| VD227063 | 2" | 16 | |
| VD227090 | 3" | 16 | |
| VD227110 | 4" | 16 | |



Elbow 45° [Plain]

| CODE | DIAMETER | BAR | PRICE |
|----------|----------|-----|-------|
| VD231020 | ½" | 16 | |
| VD231025 | ¾" | 16 | |
| VD231032 | 1" | 16 | |
| VD231040 | 1¼" | 16 | |
| VD231050 | 1½" | 16 | |
| VD231063 | 2" | 16 | |
| VD231090 | 3" | 16 | |
| VD231110 | 4" | 16 | |



Hex Ad. [Plain x BSP(M)]

| CODE | Ø | BSP(M) | BAR | PRICE |
|----------|--------|--------|-----|-------|
| VD316050 | ½" | ½" | 16 | |
| VD316055 | ½" | ¾" | 16 | |
| VD316065 | ¾" | ¾" | 16 | |
| VD316070 | ¾" | 1" | 16 | |
| VD316085 | 1" | 1" | 16 | |
| VD316090 | 1" | 1¼" | 16 | |
| VD316100 | 1¼" | 1¼" | 16 | |
| VD316105 | 1¼" | 1½" | 16 | |
| VD316120 | 1½"/63 | 1½" | 16 | |
| VD316125 | 1½"/63 | 2" | 16 | |
| VD316135 | 2"/75 | 1½" | 16 | |
| VD316140 | 2"/75 | 2" | 16 | |



Cap [Plain]

| CODE | DIAMETER | BAR | PRICE |
|----------|----------|-----|-------|
| VD356020 | ½" | 16 | |
| VD356025 | ¾" | 16 | |
| VD356032 | 1" | 16 | |
| VD356040 | 1¼" | 16 | |
| VD356050 | 1½" | 16 | |
| VD356063 | 2" | 16 | |
| VD356090 | 3" | 16 | |
| VD356110 | 4" | 16 | |



Cross [Plain]

| CODE | DIAMETER | BAR | PRICE |
|----------|----------|-----|-------|
| VD251050 | 1½" | 10 | |
| VD250075 | 2½"/75 | 10 | |

IMPERIAL PVC FITTINGS



Reducing Bush [Plain]

| CODE | Ø | Ø | BAR | PRICE |
|----------|-----|-----|-----|-------|
| VD306020 | ½" | ¾" | 16 | |
| VD306026 | ¾" | 1" | 16 | |
| VD306033 | 1" | 1½" | 16 | |
| VD306034 | 1" | ¾" | 16 | |
| VD306042 | 1¼" | ¾" | 16 | |
| VD306043 | 1¼" | 1" | 16 | |
| VD306051 | 1½" | ¾" | 16 | |
| VD306052 | 1½" | 1" | 16 | |
| VD306053 | 1½" | 1¼" | 16 | |
| VD306064 | 2" | 1" | 16 | |
| VD306065 | 2" | 1¼" | 16 | |
| VD306066 | 2" | 1½" | 16 | |
| VD306078 | 2½" | 2" | 16 | |
| VD306090 | 3" | 1½" | 16 | |
| VD306091 | 3" | 2" | 16 | |
| VD306092 | 3" | 2½" | 16 | |
| VD306111 | 4" | 2" | 16 | |
| VD306113 | 4" | 3" | 16 | |



Pipe Clamp with Clip

| CODE | DIAMETER | PRICE |
|----------|----------|-------|
| VD523020 | ½" | |
| VD523025 | ¾" | |
| VD523032 | 1" | |
| VD523040 | 1¼" | |
| VD523050 | 1½" | |
| VD523063 | 2" | |
| VD525075 | 2½"/75 | |
| VD525090 | 3"/90 | |



Plain/Threaded Nipple

| CODE | DIA. | BSP(M) | PRICE |
|----------|------|--------|-------|
| NK809411 | ½" | ½" | |
| NK809422 | ¾" | ¾" | |
| NK809433 | 1" | 1" | |
| NK809444 | 1¼" | 1¼" | |
| NK809455 | 1½" | 1½" | |
| NK809466 | 2" | 2" | |
| NK809499 | 3" | 3" | |



Union [Plain]

| CODE | DIAMETER | BAR | PRICE |
|----------|----------|-----|-------|
| VD361020 | ½" | 16 | |
| VD361025 | ¾" | 16 | |
| VD361032 | 1" | 16 | |
| VD361040 | 1¼" | 16 | |
| VD361050 | 1½" | 16 | |
| VD361063 | 2" | 16 | |
| VD361090 | 3" | 10 | |
| VD361110 | 4" | 10 | |



Union [Plain x BSP(M)]

| CODE | Ø | BSP(M) | BAR | PRICE |
|----------|-----|--------|-----|-------|
| VD371020 | ½" | ½" | 16 | |
| VD371025 | ¾" | ¾" | 16 | |
| VD371032 | 1" | 1" | 16 | |
| VD371040 | 1¼" | 1¼" | 16 | |
| VD371050 | 1½" | 1½" | 16 | |
| VD371063 | 2" | 2" | 16 | |
| VD371090 | 3" | 3" | 10 | |



Union [Plain x BSP(Fm)]

| CODE | Ø | BSP(Fm) | BAR | PRICE |
|----------|-----|---------|-----|-------|
| VD366020 | ½" | ½" | 10 | |
| VD366025 | ¾" | ¾" | 10 | |
| VD366032 | 1" | 1" | 10 | |
| VD366040 | 1¼" | 1¼" | 10 | |
| VD366050 | 1½" | 1½" | 10 | |
| VD366063 | 2" | 2" | 10 | |
| VD366090 | 3" | 3" | 10 | |

Imperial PVC Pipe Class D Pressure Pipe Plain Ends, 6m Lengths



| CODE | SIZE | BAR | LENGTH | PRICE LENGTH |
|--------|------|-----|--------|--------------|
| PCD125 | 1¼" | 12 | 6.0 | |
| PCD150 | 1½" | 12 | 6.0 | |
| PCD200 | 2" | 9 | 6.0 | |
| PCD300 | 3" | 12 | 6.0 | |
| PCD400 | 4" | 9 | 6.0 | |

ACETAL BARBED FITTINGS

Adaptor [BSP(M)]



| CODE | Ø mm | BSP(M) | BAR | PRICE |
|--------------|------|--------|-----|-------|
| BARHA12050-A | 12 | ½" | 7.5 | |
| BARHA12075-A | 12 | ¾" | 7.5 | |
| BARHA16050-A | 16 | ½" | 7.5 | |
| BARHA16075-A | 16 | ¾" | 7.5 | |
| BARHA20050-A | 20 | ½" | 7.5 | |
| BARHA20075-A | 20 | ¾" | 7.5 | |
| BARHA25050-A | 25 | ½" | 7.5 | |
| BARHA25075-A | 25 | ¾" | 4 | |
| BARHA25100 | 25 | 1" | 4 | |
| BARHA32100 | 32 | 1" | 4 | |

Adaptor [BSP(Fm)]



| CODE | Ø mm | BSP(F) | BAR | PRICE |
|--------------|------|--------|-----|-------|
| BARHF16075-A | 16 | ¾" | 7.5 | |
| BARHF20075-A | 20 | ¾" | 7.5 | |

Elbow 90°



| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| BARE12-A | 12 | 7.5 | |
| BARE16-A | 16 | 7.5 | |
| BARE20-A | 20 | 7.5 | |
| BARE25-A | 25 | 7.5 | |
| BARE32 | 32 | 4 | |

Elbow 90° [BSP(M)]



| CODE | Ø mm | BSP(M) | BAR | PRICE |
|--------------|------|--------|-----|-------|
| BARE12075M-A | 12 | ¾" | 7.5 | |
| BARE16050M-A | 16 | ½" | 7.5 | |
| BARE16075M-A | 16 | ¾" | 7.5 | |
| BARE20050M-A | 20 | ½" | 7.5 | |
| BARE20075M-A | 20 | ¾" | 4 | |
| BARE25050M-A | 25 | ½" | 4 | |
| BARE25075M-A | 25 | ¾" | 4 | |
| BARE32100M | 32 | 1" | 4 | |

Tee 90°



| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| BART12-A | 12 | 7.5 | |
| BART16-A | 16 | 7.5 | |
| BART20-A | 20 | 7.5 | |
| BART25-A | 25 | 4 | |
| BART32 | 32 | 4 | |

Reducing/Enlarging Tee 90°

| CODE | Ø mm | BAR | PRICE |
|------------|----------|-----|-------|
| BART1612-A | 16x12x16 | 7.5 | |
| BART1620 | 16x20x16 | 4 | |
| BART2012-A | 20x12x20 | 7.5 | |
| BART2016-A | 20x16x20 | 7.5 | |
| BART2516 | 25x16x25 | 4 | |
| BART2520-A | 25x20x25 | 7.5 | |

Tee 90° [BSP(M)]



| CODE | Ø mm x BSP(M) | BAR | PRICE |
|--------------|---------------|-----|-------|
| BART12050M-A | 12 x ½" x 12 | 7.5 | |
| BART12075M-A | 12 x ¾" x 12 | 4 | |
| BART16050M | 16 x ½" x 16 | 4 | |
| BART16075M | 16 x ¾" x 16 | 4 | |
| BART20050M-A | 20 x ½" x 20 | 4 | |
| BART20075M-A | 20 x ¾" x 20 | 7.5 | |
| BART25075M-A | 25 x ¾" x 25 | 4 | |

Joiner



| CODE | Ø mm | Ø mm | BAR | PRICE |
|----------|------|------|-----|-------|
| BARJ12-A | 12 | 12 | 7.5 | |
| BARJ16-A | 16 | 16 | 7.5 | |
| BARJ20-A | 20 | 20 | 7.5 | |
| BARJ25-A | 25 | 25 | 7.5 | |
| BARJ32 | 32 | 32 | 4 | |

Reducing Joiner

| CODE | Ø mm | Ø mm | BAR | PRICE |
|------------|------|------|-----|-------|
| BARJ1612-A | 16 | 12 | 7.5 | |
| BARJ2012-A | 20 | 12 | 7.5 | |
| BARJ2016-A | 20 | 16 | 7.5 | |
| BARJ2516 | 25 | 16 | 4 | |
| BARJ2520-A | 25 | 20 | 4 | |

ACETAL BARBED FITTINGS



Barbed Y [3/4" BSP]

| CODE | OUTLETS | Ø mm | BSP | PRICE |
|-------------|---------|------|----------|-------|
| BARY216075M | 2 | 16 | 3/4" (M) | |
| BARY220075M | 2 | 20 | 3/4" (M) | |
| BARY316075M | 3 | 16 | 3/4" (M) | |
| BARY320075M | 3 | 20 | 3/4" (M) | |

PVC Dripline Start Connector

- Flexible leakfree joint
- Minimal flow restriction
- Long life working with chemicals and to exposure outdoors



| CODE | Ø mm | BAR | PRICE |
|----------|--------------|-----|-------|
| BARG16-A | 16 | 7.5 | |
| BARG20-A | 20 | 7.5 | |
| BARGG | Grommet Only | - | |

Ground Pipe Stake 16/20mm

| CODE | DESCRIPTION | PRICE |
|----------|-----------------------|-------|
| NK209716 | For 16/20mm LDPE Pipe | |



End Plug

| CODE | Ø mm | BAR | PRICE |
|----------|------|-----|-------|
| BARP12-A | 12 | 7.5 | |
| BARP16-A | 16 | 7.5 | |
| BARP20-A | 20 | 7.5 | |

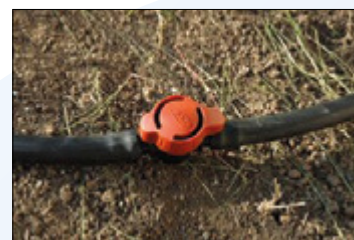
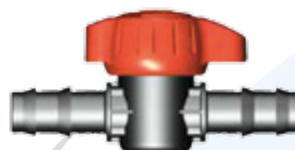


Pipe End Clamp

| CODE | SIZE | PRICE |
|----------|------|-------|
| NK209316 | 16mm | |
| NK209320 | 20mm | |

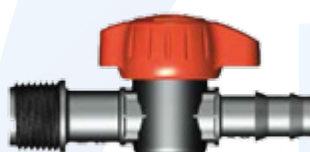


Acetal In-Line Valve [Barb x Barb]



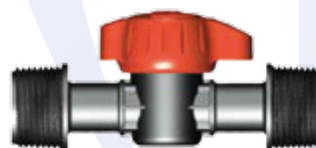
| CODE | Ø mm | Ø mm | PRICE |
|--------|------|------|-------|
| PLV016 | 16 | 16 | |
| PLV020 | 20 | 20 | |

Acetal In-Line Valve [Barb x BSP(M)]



| CODE | Ø mm | BSP(M) | PRICE |
|------------|------|--------|-------|
| PLV016050M | 16 | 1/2" | |
| PLV016075M | 16 | 3/4" | |
| PLV020050M | 20 | 1/2" | |
| PLV020075M | 20 | 3/4" | |
| PLV025075M | 25 | 3/4" | |

Acetal In-Line Valve [BSP(M)]



| CODE | BSP(M) | BSP | PRICE |
|---------|--------|----------|-------|
| PLV050M | 1/2" | 1/2" (M) | |
| PLV075M | 3/4" | 3/4" (M) | |

Streamline Valves



| CODE | SIZE | PRICE |
|------------|-----------------------|-------|
| PLVSTR075M | Streamline x 3/4" (M) | |
| PLVSTR16 | Streamline x 16mm | |

TEFEN FITTINGS

Material: Nylon 66
 Colour: Blue
 Working Pressure: Up to 14 BAR (200 psi)
 Temperature: -20°C - 110°C (subject to application)

Plug



| CODE | BSP (M) | PRICE |
|----------|---------|-------|
| NK22TTP1 | 1/8" | |
| NK22TTP2 | 1/4" | |
| NK22TTP3 | 3/8" | |
| NK22TTP4 | 1/2" | |

Nipple



| CODE | BSP (M) | PRICE |
|----------|-------------|-------|
| NK22TTN2 | 1/4" x 1/4" | |
| NK22TTN3 | 3/8" x 3/8" | |
| NK22TTN4 | 1/2" x 1/2" | |

Hose Connector



| CODE | SIZE | PRICE |
|-------------|-------|-------|
| NK22TBC0505 | 5 mm | |
| NK22TBC0606 | 6 mm | |
| NK22TBC0808 | 8 mm | |
| NK22TBC1010 | 10 mm | |

Hose Reducer



| CODE | SIZE | PRICE |
|-------------|------------|-------|
| NK22TBR0604 | 6 x 4 mm | |
| NK22TBR0605 | 6 x 5 mm | |
| NK22TBR0805 | 8 x 5 mm | |
| NK22TBR0806 | 8 x 6 mm | |
| NK22TBR1008 | 10 x 8 mm | |
| NK22TBR1208 | 12 x 8 mm | |
| NK22TBR1210 | 12 x 10 mm | |

Hose Tee



| CODE | SIZE | PRICE |
|-------------|-------|-------|
| NK22TBT0404 | 4 mm | |
| NK22TBT0505 | 5 mm | |
| NK22TBT0606 | 6 mm | |
| NK22TBT0808 | 8 mm | |
| NK22TBT1010 | 10 mm | |

Union Y Hose Conn.



| CODE | SIZE | PRICE |
|-------------|-------|-------|
| NK22TBY0404 | 4 mm | |
| NK22TBY0606 | 6 mm | |
| NK22TBY0808 | 8 mm | |
| NK22TBY1010 | 10 mm | |

Female Coupling



| CODE | BSP (Fm) | PRICE |
|----------|----------|-------|
| NK22TTC1 | 1/8" | |
| NK22TTC2 | 1/4" | |
| NK22TTC3 | 3/8" | |
| NK22TTC4 | 1/2" | |

Bushing



| CODE | BSP (M x Fm) | PRICE |
|-----------|--------------|-------|
| NK22TTB21 | 1/4" x 1/8" | |
| NK22TTB32 | 3/8" x 1/4" | |
| NK22TTB42 | 1/2" x 1/4" | |
| NK22TTB43 | 1/2" x 3/8" | |
| NK22TTB62 | 1/4" x 3/4" | |
| NK22TTB63 | 3/8" x 3/4" | |
| NK22TTB64 | 1/2" x 3/4" | |

Hose Elbow



| CODE | SIZE | PRICE |
|-------------|-------|-------|
| NK22TBE0404 | 4 mm | |
| NK22TBE0505 | 5 mm | |
| NK22TBE0606 | 6 mm | |
| NK22TBE0808 | 8 mm | |
| NK22TBE1010 | 10 mm | |

Hose Connector BSP(M)



| CODE | SIZE | PRICE |
|-----------|--------------|-------|
| NK22BM041 | 4 mm x 1/8" | |
| NK22BM042 | 4 mm x 1/4" | |
| NK22BM051 | 5 mm x 1/8" | |
| NK22BM052 | 5 mm x 1/4" | |
| NK22BM061 | 6 mm x 1/8" | |
| NK22BM062 | 6 mm x 1/4" | |
| NK22BM064 | 6 mm x 1/2" | |
| NK22BM081 | 8 mm x 1/8" | |
| NK22BM082 | 8 mm x 1/4" | |
| NK22BM084 | 8 mm x 1/2" | |
| NK22BM102 | 10 mm x 1/4" | |
| NK22BM103 | 10 mm x 3/8" | |
| NK22BM104 | 10 mm x 1/2" | |

Hose Elbow BSP(M)



| CODE | SIZE | PRICE |
|-----------|--------------|-------|
| NK22BG041 | 4 mm x 1/8" | |
| NK22BG051 | 5 mm x 1/8" | |
| NK22BG052 | 5 mm x 1/4" | |
| NK22BG061 | 6 mm x 1/8" | |
| NK22BG062 | 6 mm x 1/4" | |
| NK22BG081 | 8 mm x 1/8" | |
| NK22BG082 | 8 mm x 1/4" | |
| NK22BG083 | 8 mm x 3/8" | |
| NK22BG084 | 8 mm x 1/2" | |
| NK22BG102 | 10 mm x 1/4" | |
| NK22BG103 | 10 mm x 3/8" | |
| NK22BG104 | 10 mm x 1/2" | |

HDPE Pipe



Colour: Black (other colours to order)
 Max. Working Pressure: 16 BAR (235 psi)
 Pipe sizes are OD, use 4mm fitting for 6mm pipe

| CODE | SIZE O.D. | PRICE |
|-----------|-----------|-------|
| NK22TPIP2 | 1/4" | |
| NK22TPIP6 | 6 mm | |
| NK22TPIP8 | 8 mm | |

NUT LOCK FITTINGS

Coupling



| CODE | DESCRIPTION | PRICE |
|----------|------------------|-------|
| MANNC016 | 16 x 16 Coupling | |
| MANNC020 | 20 x 20 Coupling | |
| MANNC025 | 25 x 25 Coupling | |

Pipe End



| CODE | DESCRIPTION | PRICE |
|----------|---------------|-------|
| MANNPE16 | 16mm Pipe End | |
| MANNPE20 | 20mm Pipe End | |
| MANNPE25 | 25mm Pipe End | |

Adaptor BSP(M)



| CODE | DESCRIPTION | PRICE |
|-------------|----------------------------|-------|
| MANNA16075M | 16mm x 3/4" BSP(M) Adaptor | |
| MANNA20075M | 20mm x 3/4" BSP(M) Adaptor | |
| MANNA25100M | 25mm x 1" BSP(M) Adaptor | |

Elbow BSP(M)



| CODE | DESCRIPTION | PRICE |
|-------------|--------------------------|-------|
| MANNE16050M | 16mm x 1/2" BSP(M) Elbow | |
| MANNE16075M | 16mm x 3/4" BSP(M) Elbow | |
| MANNE20050M | 20mm x 1/2" BSP(M) Elbow | |
| MANNE20075M | 20mm x 3/4" BSP(M) Elbow | |

Adaptor BSP(F)



| CODE | DESCRIPTION | PRICE |
|-------------|----------------------------|-------|
| MANNA16075F | 16mm x 3/4" BSP(F) Adaptor | |
| MANNA20075F | 20mm x 3/4" BSP(F) Adaptor | |
| MANNA25100F | 25mm x 1" BSP(F) Adaptor | |

Valve



| CODE | DESCRIPTION | PRICE |
|---------|-------------|-------|
| MANNV16 | 16mm Valve | |
| MANNV20 | 20mm Valve | |

Tee



| CODE | DESCRIPTION | PRICE |
|---------|-------------|-------|
| MANNT16 | 16mm Tee | |
| MANNT20 | 20mm Tee | |
| MANNT25 | 25mm Tee | |

Valve BSP(M)



| CODE | DESCRIPTION | PRICE |
|-------------|--------------------------|-------|
| MANNV16050M | 16mm x 1/2" BSP(M) Valve | |
| MANNV16075M | 16mm x 3/4" BSP(M) Valve | |
| MANNV20075M | 20mm x 3/4" BSP(M) Valve | |

Elbow



| CODE | DESCRIPTION | PRICE |
|---------|-------------|-------|
| MANNE16 | 16mm Elbow | |
| MANNE20 | 20mm Elbow | |
| MANNE25 | 25mm Elbow | |

Nut



Grip



| CODE | SIZE | PRICE |
|---------|------|-------|
| MANNN16 | 16mm | |
| MANNN20 | 20mm | |
| MANNN25 | 25mm | |

| CODE | SIZE | PRICE |
|---------|------|-------|
| MANNG16 | 16mm | |
| MANNG20 | 20mm | |
| MANNG25 | 25mm | |

MANIFOLD SYSTEM FITTINGS



Nipple with 'O' Ring

| CODE | BSP | BAR | PRICE |
|---------|-----------|-----|-------|
| MANNIP1 | 1" x 1" | 10 | |
| MANNIP2 | 1" x 3/4" | 10 | |



Swivel Manifold [MxFm]

| CODE | BSP(MxFm) | BAR | PRICE |
|---------|-------------|-----|-------|
| MANSMA2 | 1" 3 outlet | 10 | |
| MANSMA3 | 1" 4 outlet | 10 | |
| MANSMA4 | 1" 5 outlet | 10 | |



Swivel Adaptor [MxFm]

| CODE | BSP(M) | BSP(Fm) | BAR | PRICE |
|---------|--------|---------|-----|-------|
| MANSAD3 | 1" | 1" | 10 | |



Swivel Coupling [BSP(Fm)]

| CODE | BSP(Fm) | BAR | PRICE |
|---------|---------|-----|-------|
| MANSCO1 | 1" | 10 | |



Swivel Cross

| CODE | SIZE | BAR | PRICE |
|---------|------------------|-----|-------|
| MANSCR1 | 1"(3xFm) x 1"(M) | 10 | |



Swivel Elbow [BSP(Fm)]

| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| MANSEL2F | 1" x 1" | 10 | |



Swivel Elbow [BSP(FmxM)]

| CODE | BSP(Fm) | BSP(M) | BAR | PRICE |
|-----------|---------|--------|-----|-------|
| MANSEL2FM | 1" | 1" | 10 | |



Swivel Tee [BSP(FmxM)]

| CODE | SIZE | BAR | PRICE |
|---------|------------------|-----|-------|
| MANSTE1 | 1"(2xFm) x 1"(M) | 10 | |

HANSEN FITTINGS

HANSEN
Best Installed Value



High Quality Glass Reinforced Nylon Fittings

- Manufactured from a raw material approved for use with potable drinking water.
- WRAS approved.
- Sizes up to 2" (50mm) diameter rated to 16 bar pressure, larger sizes 10 bar.
- Precision heavy duty tapered (barrel) threads give a strong reliable seal.

Socket [BSP(Fm)]

| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| HANSS050 | ½" | 16 | |
| HANSS075 | ¾" | 16 | |
| HANSS100 | 1" | 16 | |
| HANSS125 | 1¼" | 16 | |
| HANSS150 | 1½" | 16 | |
| HANSS200 | 2" | 16 | |
| HANSS300 | 3" | 10 | |
| HANSS400 | 4" | 10 | |

Tee [BSP(Fm)]

| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| HANST050 | ½" | 16 | |
| HANST075 | ¾" | 16 | |
| HANST100 | 1" | 16 | |
| HANST125 | 1¼" | 16 | |
| HANST150 | 1½" | 16 | |
| HANST200 | 2" | 16 | |
| HANST300 | 3" | 10 | |
| HANST400 | 4" | 10 | |

Cap [BSP(Fm)]

| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| HANSC050 | ½" | 16 | |
| HANSC075 | ¾" | 16 | |
| HANSC100 | 1" | 16 | |
| HANSC125 | 1¼" | 16 | |
| HANSC150 | 1½" | 16 | |
| HANSC200 | 2" | 16 | |
| HANSC300 | 3" | 10 | |
| HANSC400 | 4" | 10 | |

Plug [BSP(M)]

| CODE | BSP(M) | BAR | PRICE |
|----------|--------|-----|-------|
| HANSP050 | ½" | 16 | |
| HANSP075 | ¾" | 16 | |
| HANSP100 | 1" | 16 | |
| HANSP125 | 1¼" | 16 | |
| HANSP150 | 1½" | 16 | |
| HANSP200 | 2" | 16 | |
| HANSP300 | 3" | 10 | |
| HANSP400 | 4" | 10 | |

Hose Adaptor [BSP(M)]

| CODE | Ø mm | BSP(M) | PRICE |
|------------|------|--------|-------|
| HANSMHT050 | 15 | ½" | |
| HANSMHT075 | 20 | ¾" | |
| HANSMHT100 | 25 | 1" | |
| HANSMHT125 | 32 | 1¼" | |
| HANSMHT150 | 40 | 1½" | |
| HANSMHT200 | 50 | 2" | |
| HANSMHT300 | 75 | 3" | |

Hose Adaptor [BSP(Fm)]

| CODE | Ø mm | BSP(Fm) | PRICE |
|-----------|------|---------|-------|
| HANSNT050 | 15 | ½" | |
| HANSNT075 | 20 | ¾" | |
| HANSNT100 | 25 | 1" | |
| HANSNT125 | 32 | 1¼" | |
| HANSNT150 | 40 | 1½" | |
| HANSNT200 | 50 | 2" | |
| HANSNT300 | 75 | 3" | |

Elbow [BSP(Fm)]

| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| HANSE050 | ½" | 16 | |
| HANSE075 | ¾" | 16 | |
| HANSE100 | 1" | 16 | |
| HANSE125 | 1¼" | 16 | |
| HANSE150 | 1½" | 16 | |
| HANSE200 | 2" | 16 | |
| HANSE300 | 3" | 10 | |
| HANSE400 | 4" | 10 | |

Elbow [BSP(MxFm)]

| CODE | BSP(MxFm) | BAR | PRICE |
|------------|-----------|-----|-------|
| HANSMFE050 | ½" | 16 | |
| HANSMFE075 | ¾" | 16 | |
| HANSMFE100 | 1" | 16 | |
| HANSMFE125 | 1¼" | 16 | |
| HANSMFE150 | 1½" | 16 | |
| HANSMFE200 | 2" | 16 | |

Barrel Union [BSP(Fm)]

| CODE | BSP(Fm) | BAR | PRICE |
|-----------|---------|-----|-------|
| HANSBU050 | ½" | 16 | |
| HANSBU075 | ¾" | 16 | |
| HANSBU100 | 1" | 16 | |
| HANSBU125 | 1¼" | 16 | |
| HANSBU150 | 1½" | 16 | |
| HANSBU200 | 2" | 16 | |

Hex Nipple [BSP(M)]

| CODE | BSP(M) | BAR | PRICE |
|-----------|--------|-----|-------|
| HANSHN050 | ½" | 16 | |
| HANSHN075 | ¾" | 16 | |
| HANSHN100 | 1" | 16 | |
| HANSHN125 | 1¼" | 16 | |
| HANSHN150 | 1½" | 16 | |
| HANSHN200 | 2" | 16 | |
| HANSHN300 | 3" | 10 | |
| HANSHN400 | 4" | 10 | |

HANSEN FITTINGS



Reducing Socket [BSP(Fm)]



| CODE | BSP(Fm) | BSP(Fm) | BAR | PRICE |
|--------------|---------|---------|-----|-------|
| HANSRS075050 | ¾" | ½" | 16 | |
| HANSRS100075 | 1" | ¾" | 16 | |
| HANSRS125100 | 1¼" | 1" | 16 | |
| HANSRS150100 | 1½" | 1" | 16 | |
| HANSRS150125 | 1½" | 1¼" | 16 | |
| HANSRS200100 | 2" | 1" | 16 | |
| HANSRS200150 | 2" | 1½" | 16 | |
| HANSRS300200 | 3" | 2" | 10 | |
| HANSRS400300 | 4" | 3" | 10 | |

Reducing Bush [BSP(MxFm)]



| CODE | BSP(M) | BSP(Fm) | BAR | PRICE |
|--------------|--------|---------|-----|-------|
| HANSRB050025 | ½" | ¼" | 16 | |
| HANSRB075050 | ¾" | ½" | 16 | |
| HANSRB100050 | 1" | ½" | 16 | |
| HANSRB100075 | 1" | ¾" | 16 | |
| HANSRB125100 | 1¼" | 1" | 16 | |
| HANSRB150075 | 1½" | ¾" | 16 | |
| HANSRB150100 | 1½" | 1" | 16 | |
| HANSRB150125 | 1½" | 1¼" | 16 | |
| HANSRB200100 | 2" | 1" | 16 | |
| HANSRB200150 | 2" | 1½" | 16 | |
| HANSRB300200 | 3" | 2" | 10 | |
| HANSRB400300 | 4" | 3" | 10 | |

Reducing Nipple [BSP(M)]



| CODE | BSP(M) | BSP(M) | BAR | PRICE |
|---------------|--------|--------|-----|-------|
| HANSRHN075050 | ¾" | ½" | 16 | |
| HANSRHN100050 | 1" | ½" | 16 | |
| HANSRHN100075 | 1" | ¾" | 16 | |
| HANSRHN125100 | 1¼" | 1" | 16 | |
| HANSRHN150100 | 1½" | 1" | 16 | |
| HANSRHN150125 | 1½" | 1¼" | 16 | |
| HANSRHN200100 | 2" | 1" | 16 | |
| HANSRHN200150 | 2" | 1½" | 16 | |
| HANSRHN300200 | 3" | 2" | 10 | |
| HANSRHN400300 | 4" | 3" | 10 | |

Tank Outlet [BSP(MxFm)] (with two washers)



| CODE | BSP(M) | BSP(Fm) | BAR | PRICE |
|------------|--------|---------|-----|-------|
| HANSFTF050 | ½" | ½" | 16 | |
| HANSFTF075 | ¾" | ¾" | 16 | |
| HANSFTF100 | 1" | 1" | 16 | |
| HANSFTF125 | 1¼" | 1¼" | 16 | |
| HANSFTF150 | 1½" | 1½" | 16 | |
| HANSFTF200 | 2" | 2" | 16 | |
| HANSFTF300 | 3" | 3" | 10 | |
| HANSFTF400 | 4" | 4" | 10 | |

Lever Ball Valve [BSP(Fm)]

Body/Handle: GF Reinforced Nylon
 Ball: Polypropylene
 Ball Seat: Acetal
 O Rings: Nitrile Rubber
 Max. Temperature: 60°C



| CODE | BSP(Fm) | BAR | PRICE |
|-----------|---------|-----|-------|
| HANHBV050 | ½" | 16 | |
| HANHBV075 | ¾" | 16 | |
| HANHBV100 | 1" | 16 | |
| HANHBV125 | 1¼" | 16 | |
| HANHBV150 | 1½" | 16 | |
| HANHBV200 | 2" | 16 | |

Check Valve [BSP(Fm)]



| CODE | BSP(Fm) | BAR | PRICE |
|-----------|---------|-----|-------|
| HANHCV100 | 1" | 16 | |
| HANHCV125 | 1¼" | 16 | |
| HANHCV150 | 1½" | 16 | |
| HANHCV200 | 2" | 16 | |

Foot Valve [BSP(Fm)]




| CODE | BSP(Fm) | BAR | PRICE |
|-----------|---------|-----|-------|
| HANHFV100 | 1" | 16 | |
| HANHFV125 | 1¼" | 16 | |
| HANHFV150 | 1½" | 16 | |
| HANHFV200 | 2" | 16 | |


PVC RAINWATER PIPE & FITTINGS


PVC Rainwater Pipe
Class SN2
With Rubber
Sealing Ring,
5m Lengths





| CODE | O.D. x Wall Thickness | PRICE PER M |
|-----------|-----------------------|-------------|
| RARP51110 | 110 x 2.2mm | |
| RARP51125 | 125 x 2.5mm | |
| RARP51160 | 160 x 3.2mm | |
| RARP51200 | 200 x 4.0mm | |
| RARP51250 | 250 x 4.9mm | |
| RARP51315 | 315 x 6.2mm | |


| CODE | SIZE | PRICE |
|---|-------------|-------|
| Bend (Rubber Ring) 15° Fx F | | |
|  | RARB15110FF | 110mm |
| | RARB15125FF | 125mm |
| | RARB15160FF | 160mm |
| | RARB15250FF | 250mm |


| | | |
|---|-------------|-------|
| Bend (Rubber Ring) 45° Fx F | | |
|  | RARB45110FF | 110mm |
| | RARB45125FF | 125mm |
| | RARB45160FF | 160mm |
| | RARB45200FF | 200mm |
| | RARB45250FF | 250mm |
| | RARB45315FF | 315mm |


| | | |
|--|-------------|-------|
| Bend (Rubber Ring) 88° Fx F | | |
|  | RARB90110FF | 110mm |
| | RARB90125FF | 125mm |
| | RARB90160FF | 160mm |
| | RARB90200FF | 200mm |
| | RARB90250FF | 250mm |
| | RARB90315FF | 315mm |

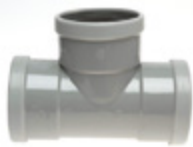
| | | |
|--|-----------|-------|
| Socket (Rubber Ring) Fx F | | |
|  | RARS110FF | 110mm |
| | RARS125FF | 125mm |
| | RARS160FF | 160mm |
| | RARS200FF | 200mm |
| | RARS250FF | 250mm |
| | RARS315FF | 315mm |
| | RARS400FF | 400mm |

| | | |
|--|---------------|-------------|
| Reducing Bush Excentric (Rubber Ring) Mx F | | |
|  | RARSR125110MF | 125 x 110mm |
| | RARSR160110MF | 160 x 110mm |
| | RARSR160125MF | 160 x 125mm |
| | RARSR200125MF | 200 x 125mm |
| | RARSR200160MF | 200 x 160mm |
| | RARSR250200MF | 250 x 200mm |
| | RARSR315200MF | 315 x 200mm |
| | RARSR400250MF | 400 x 250mm |
| | RARSR400315MF | 400 x 315mm |

| CODE | SIZE | PRICE |
|---|---------|-------|
| Solvent Cap | | |
|  | RAGC110 | 110mm |
| | RAGC125 | 125mm |
| | RAGC160 | 160mm |
| | RAGC200 | 200mm |
| | RAGC250 | 250mm |
| | RAGC315 | 315mm |
| | RAGC400 | 400mm |

| | | |
|--|--------------|-------|
| Tee (Rubber Ring) 45° 3x F | | |
|  | RART45110FFF | 110mm |
| | RART45125FFF | 125mm |
| | RART45160FFF | 160mm |
| | RART45200FFF | 200mm |
| | RART45250FFF | 250mm |
| | RART45315FFF | 315mm |

| | | |
|--|--------------|-------|
| Tee (Rubber Ring) 88° 3x F | | |
|  | RART90110FFF | 110mm |
| | RART90125FFF | 125mm |
| | RART90160FFF | 160mm |
| | RART90200FFF | 200mm |
| | RART90250FFF | 250mm |
| | RART90315FFF | 315mm |
| | RART90400FFF | 400mm |

| | | |
|--|------------------|-------------|
| Reducing Tee (Rubber Ring) 90° 3x F | | |
|  | RARTR90125110FFF | 125 x 110mm |
| | RARTR90160110FFF | 160 x 110mm |
| | RARTR90160125FFF | 160 x 125mm |
| | RARTR90200110FFF | 200 x 110mm |
| | RARTR90200125FFF | 200 x 125mm |
| | RARTR90200160FFF | 200 x 160mm |
| | RARTR90250125FFF | 250 x 125mm |
| | RARTR90250160FFF | 250 x 160mm |
| | RARTR90250200FFF | 250 x 200mm |
| | RARTR90315200FFF | 315 x 200mm |

GALVANISED METAL THREADED FITTINGS



Bend 90° [BSP(MxFm)]

| CODE | SIZE | PRICE |
|------------|------|-------|
| METGB050MF | ½" | |
| METGB075MF | ¾" | |
| METGB100MF | 1" | |
| METGB150MF | 1½" | |
| METGB200MF | 2" | |



Elbow 45° [BSP(Fm)]

| CODE | SIZE | PRICE |
|-----------|------|-------|
| METGE4100 | 1" | |
| METGE4200 | 2" | |
| METGE4300 | 3" | |



Bend 90° [BSP(Fm)]

| CODE | SIZE | PRICE |
|----------|------|-------|
| METGB050 | ½" | |
| METGB075 | ¾" | |
| METGB100 | 1" | |
| METGB125 | 1¼" | |
| METGB150 | 1½" | |
| METGB200 | 2" | |



Elbow 45° [BSP(MxFm)]

| CODE | SIZE | PRICE |
|-------------|------|-------|
| METGE4050MF | ½" | |
| METGE4100MF | 1" | |



Elbow 90° [BSP(Fm)]

| CODE | SIZE | PRICE |
|-----------|------|-------|
| METGE9025 | ¼" | |
| METGE9050 | ½" | |
| METGE9075 | ¾" | |
| METGE9100 | 1" | |
| METGE9125 | 1¼" | |
| METGE9150 | 1½" | |
| METGE9200 | 2" | |
| METGE9300 | 3" | |
| METGE9400 | 4" | |



Nipple [BSP(M)]

| CODE | SIZE | PRICE |
|----------|------|-------|
| METGN025 | ¼" | |
| METGN038 | ⅜" | |
| METGN050 | ½" | |
| METGN075 | ¾" | |
| METGN100 | 1" | |
| METGN125 | 1¼" | |
| METGN150 | 1½" | |
| METGN200 | 2" | |
| METGN250 | 2½" | |
| METGN300 | 3" | |
| METGN400 | 4" | |



Elbow 90° [BSP(MxFm)]

| CODE | SIZE | PRICE |
|-------------|------|-------|
| METGE9025MF | ¼" | |
| METGE9038MF | ⅜" | |
| METGE9050MF | ½" | |
| METGE9075MF | ¾" | |
| METGE9100MF | 1" | |
| METGE9125MF | 1¼" | |
| METGE9150MF | 1½" | |
| METGE9200MF | 2" | |
| METGE9300MF | 3" | |



Reducing Nipple [BSP(M)]

| CODE | SIZE | PRICE |
|--------------|-----------|-------|
| METGRN038025 | ⅜" x ¼" | |
| METGRN050025 | ½" x ¼" | |
| METGRN050038 | ½" x ⅜" | |
| METGRN075050 | ¾" x ½" | |
| METGRN100050 | 1" x ½" | |
| METGRN100075 | 1" x ¾" | |
| METGRN125075 | 1¼" x ¾" | |
| METGRN125100 | 1¼" x 1" | |
| METGRN150075 | 1½" x ¾" | |
| METGRN150100 | 1½" x 1" | |
| METGRN150125 | 1½" x 1¼" | |
| METGRN200100 | 2" x 1" | |
| METGRN200125 | 2" x 1¼" | |
| METGRN200150 | 2" x 1½" | |
| METGRN250200 | 2½" x 2" | |
| METGRN300200 | 3" x 2" | |
| METGRN300250 | 3" x 2½" | |
| METGRN400300 | 4" x 3" | |



GALVANISED METAL THREADED FITTINGS



Cross [BSP(Fm)]

| CODE | SIZE | PRICE |
|----------|------|-------|
| METGX050 | ½" | |
| METGX075 | ¾" | |
| METGX100 | 1" | |
| METGX125 | 1¼" | |
| METGX150 | 1½" | |
| METGX200 | 2" | |



Reducing Bush [BSP(MxFm)]

| CODE | SIZE | PRICE |
|--------------|-----------|-------|
| METGRB038025 | ⅜" x ¼" | |
| METGRB050025 | ½" x ¼" | |
| METGRB050038 | ½" x ⅜" | |
| METGRB075025 | ¾" x ¼" | |
| METGRB075038 | ¾" x ⅜" | |
| METGRB075050 | ¾" x ½" | |
| METGRB100038 | 1" x ⅜" | |
| METGRB100050 | 1" x ½" | |
| METGRB100075 | 1" x ¾" | |
| METGRB125050 | 1¼" x ½" | |
| METGRB125075 | 1¼" x ¾" | |
| METGRB125100 | 1¼" x 1" | |
| METGRB150050 | 1½" x ½" | |
| METGRB150075 | 1½" x ¾" | |
| METGRB150100 | 1½" x 1" | |
| METGRB150125 | 1½" x 1¼" | |
| METGRB200050 | 2" x ½" | |
| METGRB200100 | 2" x 1" | |
| METGRB200125 | 2" x 1¼" | |
| METGRB200150 | 2" x 1½" | |
| METGRB250200 | 2½" x 2" | |
| METGRB300150 | 3" x 1½" | |
| METGRB300200 | 3" x 2" | |
| METGRB300250 | 3" x 2½" | |
| METGRB400200 | 4" x 2" | |
| METGRB400300 | 4" x 3" | |



Plug [BSP(M)]

| CODE | SIZE | PRICE |
|----------|------|-------|
| METGP025 | ¼" | |
| METGP038 | ⅜" | |
| METGP050 | ½" | |
| METGP075 | ¾" | |
| METGP100 | 1" | |
| METGP125 | 1¼" | |
| METGP150 | 1½" | |
| METGP200 | 2" | |



Socket [BSP(Fm)]

| CODE | SIZE | PRICE |
|----------|------|-------|
| METGS025 | ¼" | |
| METGS038 | ⅜" | |
| METGS050 | ½" | |
| METGS075 | ¾" | |
| METGS100 | 1" | |
| METGS125 | 1¼" | |
| METGS150 | 1½" | |
| METGS200 | 2" | |
| METGS300 | 3" | |
| METGS400 | 4" | |



Reducing Socket [BSP(Fm)]

| CODE | SIZE | PRICE |
|--------------|-----------|-------|
| METGRS050025 | ½" x ¼" | |
| METGRS075050 | ¾" x ½" | |
| METGRS100050 | 1" x ½" | |
| METGRS100075 | 1" x ¾" | |
| METGRS125100 | 1¼" x 1" | |
| METGRS150075 | 1½" x ¾" | |
| METGRS150100 | 1½" x 1" | |
| METGRS150125 | 1½" x 1¼" | |
| METGRS200100 | 2" x 1" | |
| METGRS200125 | 2" x 1¼" | |
| METGRS200150 | 2" x 1½" | |
| METGRS300150 | 3" x 1½" | |
| METGRS300200 | 3" x 2" | |
| METGRS400300 | 4" x 3" | |



Cap [BSP(Fm)]

| CODE | SIZE | PRICE |
|----------|------|-------|
| METGC025 | ¼" | |
| METGC050 | ½" | |
| METGC075 | ¾" | |
| METGC100 | 1" | |
| METGC125 | 1¼" | |
| METGC150 | 1½" | |
| METGC200 | 2" | |
| METGC300 | 3" | |



Backnut [BSP(Fm)]

| CODE | SIZE | PRICE |
|-----------|------|-------|
| METGBN075 | ¾" | |
| METGBN100 | 1" | |
| METGBN150 | 1½" | |
| METGBN200 | 2" | |

GALVANISED METAL THREADED FITTINGS



Tee 90° [BSP(Fm)]

| CODE | SIZE | PRICE |
|----------|------|-------|
| METGT025 | ¼" | |
| METGT038 | ⅜" | |
| METGT050 | ½" | |
| METGT075 | ¾" | |
| METGT100 | 1" | |
| METGT125 | 1¼" | |
| METGT150 | 1½" | |
| METGT200 | 2" | |
| METGT250 | 2½" | |
| METGT300 | 3" | |
| METGT400 | 4" | |



Union [BSP(Fm)]

| CODE | SIZE | PRICE |
|----------|------|-------|
| METGU050 | ½" | |
| METGU075 | ¾" | |
| METGU100 | 1" | |
| METGU125 | 1¼" | |
| METGU150 | 1½" | |
| METGU200 | 2" | |
| METGU300 | 3" | |



Reducing Tee 90° [BSP(Fm)]

| CODE | SIZE | PRICE |
|--------------|----------|-------|
| METGRT075050 | ¾" x ½" | |
| METGRT100050 | 1" x ½" | |
| METGRT100075 | 1" x ¾" | |
| METGRT150075 | 1½" x ¾" | |
| METGRT150100 | 1½" x 1" | |
| METGRT150200 | 1½" x 2" | |
| METGRT200050 | 2" x ½" | |
| METGRT200100 | 2" x 1" | |
| METGRT200150 | 2" x 1½" | |
| METGRT300150 | 3" x 1½" | |
| METGRT300200 | 3" x 2" | |



Union [BSP(MxFm)]

| CODE | SIZE | PRICE |
|------------|------|-------|
| METGU050MF | ½" | |
| METGU075MF | ¾" | |
| METGU100MF | 1" | |
| METGU125MF | 1¼" | |
| METGU150MF | 1½" | |
| METGU200MF | 2" | |
| METGU300MF | 3" | |

EPDM Rubber Lined Pipe Fixings

- EPDM rubber insulation for sound reduction compliant with DIN 4109
- M6 multifunction screw c/w retaining washer
- Electro zinc plated



| CODE | PIPE DIAMETER | TAPPED | PRICE |
|----------|---------------|------------|--------|
| METPC075 | ¾" | 25-30 mm | M8/M10 |
| METPC100 | 1" | 32-37 mm | M8/M10 |
| METPC125 | 1¼" | 40-45 mm | M8/M10 |
| METPC150 | 1½" | 48-53 mm | M8/M10 |
| METPC200 | 2" | 59-63 mm | M8/M10 |
| METPC250 | 2½" | 75-80 mm | M8/M10 |
| METPC300 | 3" | 89-91 mm | M8/M10 |
| METPC400 | 4" | 108-116 mm | M8/M10 |
| METPC600 | 6" | 165-168 mm | M8/M10 |



Pipe Clip Back Plate 10mm

| CODE | THREADED | PRICE |
|-----------|----------|-------|
| METPCBP10 | M10 | |

Threaded Rod

| CODE | LENGTH | THR. | PRICE |
|----------|--------|------|-------|
| METSBM10 | 1m | M10 | |
| METSBM16 | 1m | M16 | |

Heldite

Necessary to prevent drips. Works with diesel, oil and water on all materials; steel, copper, plastic etc.



P.T.F.E.

Can be used on all materials; steel, copper, plastic etc.

We recommend all external threads be wrapped twice round with PTFE tape then painted with thin coating of Heldite jointing compound.

We can also supply plain steel and galvanised threaded pipe as required. Please ask for prices.



| CODE | DESCRIPTION | SIZE | PRICE |
|---------|-------------|-----------------|-------|
| SEAH250 | Heldite | 250ml | |
| PTFE | PTFE Tape | ½" x 12m x 0.75 | |

CAM & GROOVE POLYPROPYLENE QUICK COUPLINGS

Female Coupler
Polyprop



Male Coupler
Polyprop



Hose Coupler
Polyprop



Hose Tail
Polyprop



| CODE | BSP | BAR | PRICE |
|-----------|-----|-----|-------|
| CAMD12PP | ½" | 16 | |
| CAMD34PP | ¾" | 16 | |
| CAMD1PP | 1" | 16 | |
| CAMD114PP | 1¼" | 16 | |
| CAMD112PP | 1½" | 16 | |
| CAMD2PP | 2" | 16 | |
| CAMD3PP | 3" | 10 | |
| CAMD4PP | 4" | 10 | |

| CODE | BSP | BAR | PRICE |
|-----------|-----|-----|-------|
| CAMB12PP | ½" | 16 | |
| CAMB34PP | ¾" | 16 | |
| CAMB1PP | 1" | 16 | |
| CAMB114PP | 1¼" | 16 | |
| CAMB112PP | 1½" | 16 | |
| CAMB2PP | 2" | 16 | |
| CAMB3PP | 3" | 8 | |

| CODE | I.D. | BAR | PRICE |
|-----------|------|-----|-------|
| CAMC12PP | ½" | 16 | |
| CAMC34PP | ¾" | 16 | |
| CAMC1PP | 1" | 16 | |
| CAMC114PP | 1¼" | 16 | |
| CAMC112PP | 1½" | 16 | |
| CAMC2PP | 2" | 16 | |
| CAMC3PP | 3" | 10 | |
| CAMC4PP | 4" | 10 | |

| CODE | HOSE O.D. | PRICE |
|-----------|-----------|-------|
| CAME12PP | ½" | |
| CAME34PP | ¾" | |
| CAME1PP | 1" | |
| CAME114PP | 1¼" | |
| CAME112PP | 1½" | |
| CAME2PP | 2" | |
| CAME3PP | 3" | |
| CAME4PP | 4" | |

Female Plug
Polyprop



Male Plug
Polyprop



Dust Plug
Polyprop



Lever Stop
Polyprop



| CODE | BSP | BAR | PRICE |
|-----------|-----|-----|-------|
| CAMA12PP | ½" | 16 | |
| CAMA34PP | ¾" | 16 | |
| CAMA1PP | 1" | 16 | |
| CAMA114PP | 1¼" | 16 | |
| CAMA112PP | 1½" | 16 | |
| CAMA2PP | 2" | 16 | |
| CAMA3PP | 3" | 8 | |
| CAMA4PP | 4" | 8 | |

| CODE | BSP | BAR | PRICE |
|-----------|-----|-----|-------|
| CAMF12PP | ½" | 16 | |
| CAMF34PP | ¾" | 16 | |
| CAMF1PP | 1" | 16 | |
| CAMF114PP | 1¼" | 16 | |
| CAMF112PP | 1½" | 16 | |
| CAMF2PP | 2" | 16 | |
| CAMF3PP | 3" | 10 | |
| CAMF4PP | 4" | 10 | |

| CODE | SIZE | BAR | PRICE |
|------------|------|-----|-------|
| CAMDP34PP | ¾" | 16 | |
| CAMDP1PP | 1" | 16 | |
| CAMDP114PP | 1¼" | 16 | |
| CAMDP112PP | 1½" | 16 | |
| CAMDP2PP | 2" | 16 | |
| CAMDP3PP | 3" | 10 | |

| CODE | SIZE | PRICE |
|------------|------|-------|
| CAMDC34PP | ¾" | |
| CAMDC1PP | 1" | |
| CAMDC114PP | 1¼" | |
| CAMDC112PP | 1½" | |
| CAMDC2PP | 2" | |
| CAMDC3PP | 3" | |

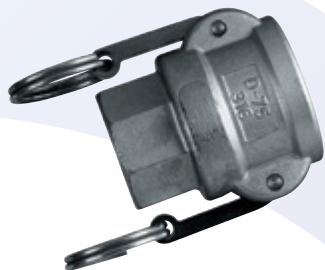
Cam & Groove Seals
Viton / EPDM / Buna



| TO SUIT COUPLING | VITON | PRICE | EPDM | PRICE | BUNA | PRICE |
|------------------|-------------|-------|------------|-------|------------|-------|
| ½" | CAMVITON12 | | CAMEPDM12 | | CAMBUNA12 | |
| ¾" | CAMVITON34 | | CAMEPDM34 | | CAMBUNA34 | |
| 1" | CAMVITON1 | | CAMEPDM1 | | CAMBUNA1 | |
| 1¼" | CAMVITON114 | | CAMEPDM114 | | CAMBUNA114 | |
| 1½" | CAMVITON112 | | CAMEPDM112 | | CAMBUNA112 | |
| 2" | CAMVITON2 | | CAMEPDM2 | | CAMBUNA2 | |
| 3" | CAMVITON3 | | CAMEPDM3 | | CAMBUNA3 | |
| 4" | | | CAMEPDM4 | | CAMBUNA4 | |

CAM & GROOVE ALUMINIUM QUICK COUPLINGS

Female Coupler
Aluminium



| CODE | BSP | BAR | PRICE |
|-----------|-----|-----|-------|
| CAMD12AU | ½" | 16 | |
| CAMD34AU | ¾" | 16 | |
| CAMD1AU | 1" | 16 | |
| CAMD114AU | 1¼" | 16 | |
| CAMD112AU | 1½" | 10 | |
| CAMD2AU | 2" | 10 | |
| CAMD3AU | 3" | 8 | |
| CAMD4AU | 4" | 8 | |

Hose Coupler
Aluminium



| CODE | I.D. | BAR | PRICE |
|-----------|------|-----|-------|
| CAMC12AU | ½" | 16 | |
| CAMC34AU | ¾" | 16 | |
| CAMC1AU | 1" | 16 | |
| CAMC114AU | 1¼" | 16 | |
| CAMC112AU | 1½" | 10 | |
| CAMC2AU | 2" | 10 | |
| CAMC3AU | 3" | 8 | |
| CAMC4AU | 4" | 8 | |

Male Coupler
Aluminium



| CODE | BSP | BAR | PRICE |
|-----------|-----|-----|-------|
| CAMB12AU | ½" | 16 | |
| CAMB34AU | ¾" | 16 | |
| CAMB1AU | 1" | 16 | |
| CAMB114AU | 1¼" | 16 | |
| CAMB112AU | 1½" | 10 | |
| CAMB2AU | 2" | 10 | |
| CAMB3AU | 3" | 8 | |
| CAMB4AU | 4" | 8 | |

Hose Tail
Aluminium



| CODE | HOSE O.D. | PRICE |
|-----------|-----------|-------|
| CAME12AU | ½" | |
| CAME34AU | ¾" | |
| CAME1AU | 1" | |
| CAME114AU | 1¼" | |
| CAME112AU | 1½" | |
| CAME2AU | 2" | |
| CAME3AU | 3" | |
| CAME4AU | 4" | |

Female Plug
Aluminium



| CODE | BSP | BAR | PRICE |
|-----------|-----|-----|-------|
| CAMA12AU | ½" | 16 | |
| CAMA34AU | ¾" | 16 | |
| CAMA1AU | 1" | 16 | |
| CAMA114AU | 1¼" | 16 | |
| CAMA112AU | 1½" | 10 | |
| CAMA2AU | 2" | 10 | |
| CAMA3AU | 3" | 8 | |
| CAMA4AU | 4" | 8 | |

Dust Plug
Aluminium



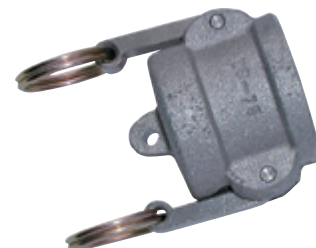
| CODE | SIZE | BAR | PRICE |
|------------|------|-----|-------|
| CAMDP12AU | ½" | 16 | |
| CAMDP34AU | ¾" | 16 | |
| CAMDP1AU | 1" | 16 | |
| CAMDP114AU | 1¼" | 16 | |
| CAMDP112AU | 1½" | 16 | |
| CAMDP2AU | 2" | 16 | |
| CAMDP3AU | 3" | 8 | |
| CAMDP4AU | 4" | 5 | |

Male Plug
Aluminium



| CODE | BSP | BAR | PRICE |
|-----------|-----|-----|-------|
| CAMF12AU | ½" | 16 | |
| CAMF34AU | ¾" | 16 | |
| CAMF1AU | 1" | 16 | |
| CAMF114AU | 1¼" | 16 | |
| CAMF112AU | 1½" | 10 | |
| CAMF2AU | 2" | 10 | |
| CAMF3AU | 3" | 8 | |
| CAMF4AU | 4" | 8 | |

Lever Stop
Aluminium



| CODE | SIZE | PRICE |
|------------|------|-------|
| CAMDC34AU | ¾" | |
| CAMDC1AU | 1" | |
| CAMDC114AU | 1¼" | |
| CAMDC112AU | 1½" | |
| CAMDC2AU | 2" | |
| CAMDC3AU | 3" | |
| CAMDC4AU | 4" | |

NOTES

½" SIZES ARE ONLY SUPPLIED WITH ONE LOCKING ARM

ALL ½" POLYPROPYLENE COUPLINGS AND PLUGS ARE ¾" BODY SIZE

CAM & GROOVE QUICK COUPLINGS ALSO AVAILABLE IN BRASS OR STAINLESS STEEL

NPT THREADED COUPLINGS ALSO AVAILABLE

POLYPROP FITTINGS ARE NOT COMPATIBLE WITH ALUMINIUM FITTINGS

COMPRESSION FITTINGS 16 Bar

Adaptor [BSP(M)]



| CODE | SIZE | PRICE |
|--------------|----------|-------|
| ALP1616050M | 16 x ½" | |
| ALP1616075M | 16 x ¾" | |
| ALP1620050M | 20 x ½" | |
| ALP1620075M | 20 x ¾" | |
| ALP1620100M | 20 x 1" | |
| ALP1625050M | 25 x ½" | |
| ALP1625075M | 25 x ¾" | |
| ALP1625100M | 25 x 1" | |
| ALP1632075M | 32 x ¾" | |
| ALP1632100M | 32 x 1" | |
| ALP1632125M | 32 x 1¼" | |
| ALP1640100M | 40 x 1" | |
| ALP1640125M | 40 x 1¼" | |
| ALP1640150M | 40 x 1½" | |
| ALP1640200M | 40 x 2" | |
| ALP1650125M | 50 x 1¼" | |
| ALP1650150M | 50 x 1½" | |
| ALP1650200M | 50 x 2" | |
| ALP1663125M | 63 x 1¼" | |
| ALP1663150M | 63 x 1½" | |
| ALP1663200M | 63 x 2" | |
| ALP1675250M | 75 x 2½" | |
| ALP1675300M | 75 x 3" | |
| ALP1690200M | 90 x 2" | |
| ALP1690300M | 90 x 3" | |
| ALP16110300M | 110 x 3" | |

Adaptor [BSP(Fm)]



| CODE | SIZE | PRICE |
|--------------|----------|-------|
| ALP1616050F | 16 x ½" | |
| ALP1616075F | 16 x ¾" | |
| ALP1620050F | 20 x ½" | |
| ALP1620075F | 20 x ¾" | |
| ALP1625050F | 25 x ½" | |
| ALP1625075F | 25 x ¾" | |
| ALP1625100F | 25 x 1" | |
| ALP1632075F | 32 x ¾" | |
| ALP1632100F | 32 x 1" | |
| ALP1632125F | 32 x 1¼" | |
| ALP1640100F | 40 x 1" | |
| ALP1640125F | 40 x 1¼" | |
| ALP1640150F | 40 x 1½" | |
| ALP1650125F | 50 x 1¼" | |
| ALP1650150F | 50 x 1½" | |
| ALP1650200F | 50 x 2" | |
| ALP1663150F | 63 x 1½" | |
| ALP1663200F | 63 x 2" | |
| ALP1675200F | 75 x 2" | |
| ALP1675300F | 75 x 3" | |
| ALP1690200F | 90 x 2" | |
| ALP1690300F | 90 x 3" | |
| ALP16110300F | 110 x 3" | |

Coupling



| CODE | SIZE | PRICE |
|-------------|-----------|-------|
| ALP16COU20 | 20 x 20 | |
| ALP16COU25 | 25 x 25 | |
| ALP16COU32 | 32 x 32 | |
| ALP16COU40 | 40 x 40 | |
| ALP16COU50 | 50 x 50 | |
| ALP16COU63 | 63 x 63 | |
| ALP16COU75 | 75 x 75 | |
| ALP16COU90 | 90 x 90 | |
| ALP16COU110 | 110 x 110 | |

Repair Coupling



| CODE | SIZE | PRICE |
|-------------|-----------|-------|
| ALP16RCO40 | 40 x 40 | |
| ALP16RCO50 | 50 x 50 | |
| ALP16RCO63 | 63 x 63 | |
| ALP16RCO75 | 75 x 75 | |
| ALP16RCO90 | 90 x 90 | |
| ALP16RCO110 | 110 x 110 | |

Equal Tee 90°



| CODE | SIZE | PRICE |
|-------------|------|-------|
| ALP16TEE16 | 16 | |
| ALP16TEE20 | 20 | |
| ALP16TEE25 | 25 | |
| ALP16TEE32 | 32 | |
| ALP16TEE40 | 40 | |
| ALP16TEE50 | 50 | |
| ALP16TEE63 | 63 | |
| ALP16TEE75 | 75 | |
| ALP16TEE90 | 90 | |
| ALP16TEE110 | 110 | |

Reducing Coupling



| CODE | SIZE | PRICE |
|--------------|---------|-------|
| ALP16CRE2016 | 20 x 16 | |
| ALP16CRE2520 | 25 x 20 | |
| ALP16CRE3225 | 32 x 25 | |
| ALP16CRE4025 | 40 x 25 | |
| ALP16CRE4032 | 40 x 32 | |
| ALP16CRE5032 | 50 x 32 | |
| ALP16CRE5040 | 50 x 40 | |
| ALP16CRE6332 | 63 x 32 | |
| ALP16CRE6340 | 63 x 40 | |
| ALP16CRE6350 | 63 x 50 | |
| ALP16CRE7563 | 75 x 63 | |
| ALP16CRE9063 | 90 x 63 | |
| ALP16CRE9075 | 90 x 75 | |

Elbow 90°



| CODE | SIZE | PRICE |
|-------------|------|-------|
| ALP16ELB16 | 16 | |
| ALP16ELB20 | 20 | |
| ALP16ELB25 | 25 | |
| ALP16ELB32 | 32 | |
| ALP16ELB40 | 40 | |
| ALP16ELB50 | 50 | |
| ALP16ELB63 | 63 | |
| ALP16ELB75 | 75 | |
| ALP16ELB90 | 90 | |
| ALP16ELB110 | 110 | |

COMPRESSION FITTINGS 16 Bar

Elbow 90° [BSP(M)]



| CODE | SIZE | PRICE |
|----------------|-------------|-------|
| ALP16ELB16050M | 16 x 1/2" | |
| ALP16ELB20050M | 20 x 1/2" | |
| ALP16ELB20075M | 20 x 3/4" | |
| ALP16ELB25050M | 25 x 1/2" | |
| ALP16ELB25075M | 25 x 3/4" | |
| ALP16ELB25100M | 25 x 1" | |
| ALP16ELB32075M | 32 x 3/4" | |
| ALP16ELB32100M | 32 x 1" | |
| ALP16ELB40100M | 40 x 1" | |
| ALP16ELB40125M | 40 x 1 1/4" | |
| ALP16ELB40150M | 40 x 1 1/2" | |
| ALP16ELB50150M | 50 x 1 1/2" | |
| ALP16ELB50200M | 50 x 2" | |
| ALP16ELB63150M | 63 x 1 1/2" | |
| ALP16ELB63200M | 63 x 2" | |

Reducing Tee 90°



| CODE | SIZE | PRICE |
|--------------|---------|-------|
| ALP16TRE2016 | 20 x 16 | |
| ALP16TRE2520 | 25 x 20 | |
| ALP16TRE3225 | 32 x 25 | |
| ALP16TRE4032 | 40 x 32 | |
| ALP16TRE5040 | 50 x 40 | |
| ALP16TRE6350 | 63 x 50 | |
| ALP16TRE7563 | 75 x 63 | |

Tee 90° Threaded Branch [BSP(Fm)]



| CODE | SIZE | PRICE |
|----------------|-------------|-------|
| ALP16TEE16050F | 16 x 1/2" | |
| ALP16TEE16075F | 16 x 3/4" | |
| ALP16TEE20050F | 20 x 1/2" | |
| ALP16TEE20075F | 20 x 3/4" | |
| ALP16TEE25050F | 25 x 1/2" | |
| ALP16TEE25075F | 25 x 3/4" | |
| ALP16TEE25100F | 25 x 1" | |
| ALP16TEE32075F | 32 x 3/4" | |
| ALP16TEE32100F | 32 x 1" | |
| ALP16TEE40100F | 40 x 1" | |
| ALP16TEE40150F | 40 x 1 1/2" | |
| ALP16TEE50125F | 50 x 1 1/4" | |
| ALP16TEE50150F | 50 x 1 1/2" | |
| ALP16TEE50200F | 50 x 2" | |
| ALP16TEE63150F | 63 x 1 1/2" | |
| ALP16TEE63200F | 63 x 2" | |

Tee 90° Threaded Branch [BSP(M)]



| CODE | SIZE | PRICE |
|----------------|-------------|-------|
| ALP16TEE20050M | 20 x 1/2" | |
| ALP16TEE20075M | 20 x 3/4" | |
| ALP16TEE25050M | 25 x 1/2" | |
| ALP16TEE25075M | 25 x 3/4" | |
| ALP16TEE25100M | 25 x 1" | |
| ALP16TEE32100M | 32 x 1" | |
| ALP16TEE32125M | 32 x 1 1/4" | |
| ALP16TEE40100M | 40 x 1" | |
| ALP16TEE40125M | 40 x 1 1/4" | |
| ALP16TEE50150M | 50 x 1 1/2" | |
| ALP16TEE63200M | 63 x 2" | |

Elbow 90° [BSP(Fm)]



| CODE | SIZE | PRICE |
|----------------|-------------|-------|
| ALP16ELB20050F | 20 x 1/2" | |
| ALP16ELB20075F | 20 x 3/4" | |
| ALP16ELB25050F | 25 x 1/2" | |
| ALP16ELB25075F | 25 x 3/4" | |
| ALP16ELB25100F | 25 x 1" | |
| ALP16ELB32050F | 32 x 1/2" | |
| ALP16ELB32075F | 32 x 3/4" | |
| ALP16ELB32100F | 32 x 1" | |
| ALP16ELB32125F | 32 x 1 1/4" | |
| ALP16ELB40100F | 40 x 1" | |
| ALP16ELB40125F | 40 x 1 1/4" | |
| ALP16ELB40150F | 40 x 1 1/2" | |
| ALP16ELB50150F | 50 x 1 1/2" | |
| ALP16ELB50200F | 50 x 2" | |
| ALP16ELB63150F | 63 x 1 1/2" | |
| ALP16ELB63200F | 63 x 2" | |
| ALP16ELB75250F | 75 x 2 1/2" | |
| ALP16ELB75300F | 75 x 3" | |
| ALP16ELB90300F | 90 x 3" | |

Flanged Adaptor



| CODE | SIZE | PRICE |
|----------------|-------------|-------|
| ALP16FLA50150 | 50 x 1 1/2" | |
| ALP16FLA63200 | 63 x 2" | |
| ALP16FLA75300 | 75 x 3" | |
| ALP16FLA90300 | 90 x 3" | |
| ALP16FLA110400 | 110 x 4" | |

End Cap



| CODE | SIZE | PRICE |
|------------|------|-------|
| ALP16CAP20 | 20 | |
| ALP16CAP25 | 25 | |
| ALP16CAP32 | 32 | |
| ALP16CAP40 | 40 | |
| ALP16CAP50 | 50 | |
| ALP16CAP63 | 63 | |
| ALP16CAP75 | 75 | |
| ALP16CAP90 | 90 | |

Wall Plate Elbow



| CODE | SIZE | PRICE |
|---------------|-----------|-------|
| ALP16WPE20050 | 20 x 1/2" | |
| ALP16WPE25075 | 25 x 3/4" | |



PLASSON COMPRESSION FITTINGS 16 Bar

| CODE | | DESCRIPTION | 16mm | 20mm | 25mm | 32mm | 40mm | 50mm | 63mm | 75mm | 90mm | 110mm |
|---------|---|-------------------------|------------------|----------------|------------------------|--------------------------|------------------------|------------------------|----------------------------|----------------|--------------------|------------|
| PLA7010 |  | Coupling | | | | | | | | | | |
| PLA7110 |  | Reducing Coupling to mm | - | | | | | | | | | |
| | | | | 16 | 16, 20 | 20, 25 | 25, 32 | 25, 32, 40 | 25, 32, 40, 50 | 50, 63 | 63, 75 | 90 |
| PLA7610 |  | Repair Slip Coupling | - | | | | | | | | | |
| PLA7020 |  | Adaptor to BSP(M) | | | | | | | | | | |
| | | | 3/8", 1/2", 3/4" | 1/2", 3/4", 1" | 1/2", 3/4", 1" | 3/4", 1", 1 1/4", 1 1/2" | 1", 1 1/4", 1 1/2", 2" | 1", 1 1/4", 1 1/2", 2" | 1 1/4", 1 1/2", 2", 2 1/2" | 2", 2 1/2", 3" | 2", 2 1/2", 3", 4" | 2", 3", 4" |
| PLA7030 |  | Adaptor to BSP(Fm) | | | | | | | | | | |
| | | | 1/2", 3/4" | 1/2", 3/4", 1" | 3/4", 1" | 3/4", 1", 1 1/4" | 1", 1 1/4", 1 1/2" | 1 1/4", 1 1/2", 2" | 2" | 2", 2 1/2" | 2", 3", 4" | 3", 4" |
| PLA7050 |  | Elbow 90° | | | | | | | | | | |
| PLA7510 |  | Reducing Elbow 90° | - | - | | - | - | - | - | - | - | - |
| | | | | | 20 | | | | | | | |
| PLA7850 |  | Elbow 90° to BSP(M) | - | | | | | | | | | |
| | | | | 1/2", 3/4" | 1/2", 3/4", 1" | 1" | 1", 1 1/4", 1 1/2" | 1", 1 1/4", 1 1/2" | 1 1/4", 1 1/2", 2" | | 3" | 4" |
| PLA7150 |  | Elbow 90° to BSP(Fm) | | | | | | | | | | |
| | | | 1/2" | 1/2", 3/4" | 1/2", 3/4", 1" | 3/4", 1", 1 1/4" | 1", 1 1/4", 1 1/2", 2" | 1", 1 1/4", 1 1/2", 2" | 1 1/4", 1 1/2", 2" | 2", 2 1/2", 3" | - | - |
| PLA7460 |  | Elbow 45° | - | - | - | | | | | | | |
| PLA7450 |  | Elbow 45° to BSP(M) | - | | - | - | - | - | - | - | - | - |
| | | | | 1/2", 3/4" | | | | | | | | |
| PLA7040 |  | Tee 90° | | | | | | | | | | |
| PLA7340 |  | Reducing Tee 90° to mm | - | | | | | | | | - | - |
| | | | | 16 | 20 | 25 | 25, 32 | 25, 32, 40 | 32, 40, 50 | 63 | | |
| PLA7740 |  | Enlarging Tee 90° to mm | - | - | | - | - | - | - | - | - | - |
| | | | | | 32 | | | | | | | |
| PLA7840 |  | Tee 90° to BSP(M) | - | | | | | | | - | - | - |
| | | | | 1/2", 3/4" | 1/2", 3/4" | 1" | 1 1/4", 1 1/2" | 1 1/4", 1 1/2" | 1 1/4", 1 1/2", 2" | | | |
| PLA7140 |  | Tee 90° to BSP(Fm) | | | | | | | | | | |
| | | | 1/2", 3/4" | 1/2", 3/4" | 1/2", 3/4", 1", 1 1/4" | 3/4", 1", 1 1/4", 1 1/2" | 1", 1 1/4", 1 1/2", 2" | 1 1/4", 2" | 1 1/4", 1 1/2", 2" | 2", 2 1/2", 3" | 3" | 4" |
| PLA7640 |  | Tee 45° | - | - | - | - | - | - | | | | |
| PLA7120 |  | End Plug | | | | | | | | | | |

Water Fittings Approved by the UK Water Industry

Plasson Compression Adaptors & Universal Fittings [WRAS]



| CODE | | DESCRIPTION | 20mm | 25mm | 32mm | 40mm | 50mm | 63mm | 75mm | 110mm |
|----------|--|---|------------|------------------|--------|------|----------------|------------|------|------------|
| PLA7786 | | Low Density Class C Adaptor BS 1972 (Light Blue) | 3/8", 1/2" | 3/4" | 1" | | 1 1/4", 1 1/2" | 2" | - | - |
| PLA7788 | | High Density Class C Adaptor BS 3284 (Dark Blue) | 1/2" | 3/4" | 1" | | 1 1/4", 1 1/2" | 2" | - | - |
| PLA7787 | | Low Density Class D Adaptor BS1972 (Light Green) | 1/2" | 3/4" | 1" | | 1 1/4", 1 1/2" | | - | - |
| PLA7789 | | High Density Class D Adaptor BS 3284 (Dark Green) | 3/8", 1/2" | 3/4" | 1" | | 1 1/4", 1 1/2" | 2" | - | - |
| PLA1001c | | PE x Copper/PB/PEX | 15 | 15, 22 | 28 | - | - | - | - | - |
| PLA7950 | | Pipe Liner | | | | | | | - | - |
| PLA7129 | | Blanking Plug | | | | | | | - | - |
| PLA7930 | | Reducing Set to mm | - | 20 | 20, 25 | 32 | 25, 32, 40 | 25, 32, 50 | 63 | 63, 75, 90 |
| PLA7418 | | Metric to Imperial Coupling | 3/8", 1/2" | 3/8", 1/2", 3/4" | 1" | | 1 1/4", 1 1/2" | 1 1/2", 2" | - | - |
| PLA7478 | | Metric to Imperial Elbow 90° | 1/2" | 1/2", 3/4" | 1" | - | - | - | - | - |

REPAIR COUPLERS



Flo-Span

| CODE | DIAMETER | PRICE |
|-------------|----------|-------|
| EVIF08RCFLO | 1" | |
| EVIF09RCFLO | 1 1/4" | |
| EVIF10RCFLO | 1 1/2" | |
| EVIF11RCFLO | 2" | |
| EVIF13RCFLO | 3" | |
| EVIF14RCFLO | 4" | |



Compression PVC

| CODE | DIAMETER | PRICE |
|-------------|----------|-------|
| EVIF08RCCOM | 1" | |
| EVIF09RCCOM | 1 1/4" | |
| EVIF10RCCOM | 1 1/2" | |
| EVIF11RCCOM | 2" | |
| EVIF13RCCOM | 3" | |
| EVIF14RCCOM | 4" | |

Viking Johnson MaxiFit Coupling

MaxiFit universal pipe couplings are designed to accommodate plain ended pipes with different outside diameters. One fitting is able to connect to a wide variety of pipe materials including steel, ductile iron, PVC, cast iron, GRP and asbestos cement pipes amongst others.

UNIQUE GASKET

With distinctive circumferential ribs providing a "slide easy" fit for maximum sealing on scored, corroded or pitted pipe.

EXCELLENT CORROSION & DAMAGE PROTECTION

Coated in black Rilsan Nylon 11 which is WRAS listed and has excellent resistance to impact, abrasion, weathering and chemicals. It also has good thermal stability and flexibility to accommodate for rough site handling.

SIMPLE INSTALLATION

Captive, non-rotating bolt heads require just a torque wrench to install.

FLEXIBLE FIT

Flared end to the sleeve forms a deep gasket chamber to give maximum possible pipe adjustment.



| CODE | SIZE | PRICE |
|----------|------------------|-------|
| VJMXC200 | 2" (57-74mm) | |
| VJMXC250 | 2 1/2" (63-85mm) | |
| VJMXC300 | 3" (85-107mm) | |
| VJMXC400 | 4" (107-132mm) | |
| VJMXC600 | 6" (158-184mm) | |

PLASSON COMPRESSION ADAPTORS, UNIVERSAL FITTINGS & VALVES 16 Bar



Plasson Valves



PLA3407 Stop Tap Above & Below Ground BS5433 Type

| SIZE | PRICE |
|------|-------|
| 20mm | |
| 25mm | |
| 32mm | |



PLA3405 Stop Tap Above Ground BS1010/2 Type

| BSP(Fm) | PRICE |
|---------|-------|
| 3/4" | |
| 1" | |



PLA1379 Compression Ball Valve (PVC)

| FROM MDPE | TO BSP(Fm) | PRICE |
|-----------|------------|-------|
| 20mm | 1/2" | |
| 25mm | 3/4" | |
| 32mm | 1" | |
| 40mm | 1 1/4" | |
| 50mm | 1 1/2" | |
| 63mm | 2" | |



PLA9056 Bib Tap Hose Union with Double Check Valve

| BSP(M) | PRICE |
|--------|-------|
| 1/2" | |
| 3/4" | |



PLA9050 Universal Stop Tap DZR BS 5433/1010 Type

| SIZE | PRICE |
|------|-------|
| 20mm | |
| 25mm | |
| 32mm | |



PLA9053 Below Ground Gun Metal Stop Tap BS 5433 (BSP(Fm))

| BSP(Fm) | PRICE |
|---------|-------|
| 1/2" | |
| 3/4" | |
| 1" | |
| 1 1/2" | |
| 2" | |



PLA3039 Quick Coupling Valve (Nitrile Rubber O-Ring)

| SIZE | PRICE |
|------|-------|
| 3/4" | |
| 1" | |



PLA3139 Key for Quick Coupling Valve (3039)

| SIZE | PRICE |
|------|-------|
| 3/4" | |

Plasson Wall Plate Elbows



PLA7750 Plastic

| SIZE | BSP(Fm) | PRICE |
|------|---------|-------|
| 20mm | 1/2" | |
| 25mm | 3/4" | |



PLA9055 DZR

| SIZE | BSP(Fm) | PRICE |
|------|---------|-------|
| 20mm | 1/2" | |
| 25mm | 3/4" | |

Plasson Accessories



PLA7990 Wrench

| SIZE | PRICE |
|------------------------|-------|
| Plastic 16-40mm | |
| Metal 40-75mm | |
| Metal 63-125mm | |



PLA60125/6 Pipe Shears

| SIZE | PRICE |
|----------------------|-------|
| 60125 20-32mm | |
| 60126 20-63mm | |



PLA7992 Universal Strap Wrench

| SIZE | PRICE |
|---------|-------|
| 20-90mm | |

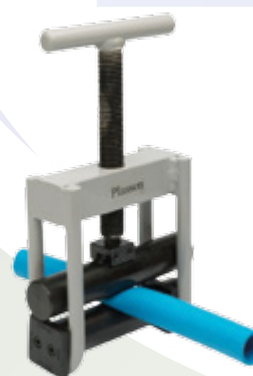


PLA7960 Chamfer Tool

| SIZE | PRICE |
|---------|-------|
| 20-63mm | |

Plasson Squeeze Off Tool

Body material Steel



| CODE | DESCRIPTION | PRICE |
|-------------|--------------------------------|-------|
| PLA60123032 | Squeeze Off Tool 16-32mm | |
| PLA60123A | Large Squeeze Off Tool 32-63mm | |

PVC SADDLES

Saddles 10 Bar (above ground only)



| CODE | Ø mm | BSP(Fm) | PRICE |
|-------------|------|---------|-------|
| PLG10025050 | 25 | ½" | |
| PLG10025075 | 25 | ¾" | |
| PLG10032050 | 32 | ½" | |
| PLG10032075 | 32 | ¾" | |
| PLG10040050 | 40 | ½" | |
| PLG10040075 | 40 | ¾" | |
| PLG10040100 | 40 | 1" | |
| PLG10050050 | 50 | ½" | |
| PLG10050075 | 50 | ¾" | |
| PLG10050100 | 50 | 1" | |
| PLG10063050 | 63 | ½" | |
| PLG10063075 | 63 | ¾" | |
| PLG10063100 | 63 | 1" | |
| PLG10075050 | 75 | ½" | |
| PLG10075075 | 75 | ¾" | |
| PLG10075100 | 75 | 1" | |
| PLG10075125 | 75 | 1¼" | |
| PLG10075150 | 75 | 1½" | |
| PLG10090075 | 90 | ¾" | |
| PLG10090100 | 90 | 1" | |
| PLG10090125 | 90 | 1¼" | |
| PLG10090150 | 90 | 1½" | |
| PLG10090200 | 90 | 2" | |
| PLG10110150 | 110 | 1½" | |
| PLG10110200 | 110 | 2" | |
| PLG10110300 | 110 | 3" | |
| PLG10125100 | 125 | 1" | |

Twist Punch

This product is the most efficient tool for making holes for saddles. It can be used after the saddle has been installed.



| CODE | DESCRIPTION | PRICE |
|----------|-------------------------|-------|
| NK883015 | Twist Punch - 15mm hole | |

Plasson Saddles 16 Bar

With Reinforcing Ring, Stainless Bolts
Can be used below ground.



| CODE | Ø mm | BSP(Fm) | PRICE |
|----------------|------|---------|-------|
| PLA16076020050 | 20 | ½" | |
| PLA16076025050 | 25 | ½" | |
| PLA16076025075 | 25 | ¾" | |
| PLA16076032050 | 32 | ½" | |
| PLA16076032075 | 32 | ¾" | |
| PLA16076032100 | 32 | 1" | |
| PLA16076040050 | 40 | ½" | |
| PLA16076040075 | 40 | ¾" | |
| PLA16076040100 | 40 | 1" | |
| PLA16076050050 | 50 | ½" | |
| PLA16076050075 | 50 | ¾" | |
| PLA16076050100 | 50 | 1" | |
| PLA16076050125 | 50 | 1¼" | |
| PLA16076063050 | 63 | ½" | |
| PLA16076063075 | 63 | ¾" | |
| PLA16076063100 | 63 | 1" | |
| PLA16076063125 | 63 | 1¼" | |
| PLA16076063150 | 63 | 1½" | |
| PLA16076075050 | 75 | ½" | |
| PLA16076075075 | 75 | ¾" | |
| PLA16076075100 | 75 | 1" | |
| PLA16076075125 | 75 | 1¼" | |
| PLA16076075150 | 75 | 1½" | |
| PLA16076075200 | 75 | 2" | |
| PLA16076090050 | 90 | ½" | |
| PLA16076090075 | 90 | ¾" | |
| PLA16076090100 | 90 | 1" | |
| PLA16076090125 | 90 | 1¼" | |
| PLA16076090150 | 90 | 1½" | |
| PLA16076090200 | 90 | 2" | |
| PLA16076110050 | 110 | ½" | |
| PLA16076110075 | 110 | ¾" | |
| PLA16076110100 | 110 | 1" | |
| PLA16076110125 | 110 | 1¼" | |
| PLA16076110150 | 110 | 1½" | |
| PLA16076110200 | 110 | 2" | |
| PLA16076125075 | 125 | ¾" | |
| PLA16076125100 | 125 | 1" | |
| PLA16076125125 | 125 | 1¼" | |
| PLA16076125150 | 125 | 1½" | |
| PLA16076125200 | 125 | 2" | |
| PLA16076160100 | 160 | 1" | |
| PLA16076160125 | 160 | 1¼" | |
| PLA16076160150 | 160 | 1½" | |
| PLA16076160200 | 160 | 2" | |

METAL VALVES



Gate Valve - Heavy Duty

| CODE | BSP(Fm) | BAR | PRICE |
|---------|---------|-----|-------|
| VAGV050 | ½" | 20 | |
| VAGV075 | ¾" | 20 | |
| VAGV100 | 1" | 20 | |
| VAGV125 | 1¼" | 20 | |
| VAGV150 | 1½" | 20 | |
| VAGV200 | 2" | 20 | |
| VAGV250 | 2½" | 20 | |
| VAGV300 | 3" | 20 | |
| VAGV400 | 4" | 20 | |



Light Model Brass Ball Valve

| CODE | BSP(Fm) | BAR | PRICE |
|---------|---------|-----|-------|
| VABV025 | ¼" | 25 | |
| VABV038 | ⅜" | 25 | |
| VABV050 | ½" | 25 | |
| VABV075 | ¾" | 25 | |
| VABV100 | 1" | 25 | |
| VABV125 | 1¼" | 25 | |
| VABV150 | 1½" | 25 | |
| VABV200 | 2" | 25 | |
| VABV300 | 3" | 16 | |
| VABV400 | 4" | 16 | |



Hose Pour Tap

| CODE | BSP(M) | BAR | PRICE |
|--------|--------|-----|-------|
| HPT050 | ½" | 15 | |
| HPT075 | ¾" | 15 | |
| HPT100 | 1" | 12 | |

Can Strainer

A definitive must for dirty water delivery and general ditch or pond work. Mild zinc plated. For use with self priming pumps such as Alcon etc.



| CODE | SIZE | PRICE |
|-------|------|-------|
| CS100 | 1" | |
| CS150 | 1½" | |
| CS200 | 2" | |
| CS300 | 3" | |
| CS400 | 4" | |



Pipe Interrupter

WRAS approved for the prevention of siphonage and backflow.

| CODE | BSP(M) | PRICE |
|-----------|--------|-------|
| NK28A2519 | ¾" | |



Install horizontally only

Swing Check Valve (H)

| CODE | BSP(Fm) | BAR | PRICE |
|--------|---------|-----|-------|
| NVS050 | ½" | 12 | |
| NVS075 | ¾" | 12 | |
| NVS100 | 1" | 12 | |
| NVS125 | 1¼" | 10 | |
| NVS150 | 1½" | 10 | |
| NVS200 | 2" | 10 | |
| NVS250 | 2½" | 8 | |
| NVS300 | 3" | 8 | |
| NVS400 | 4" | 8 | |



Check Valve (V)

| CODE | BSP(Fm) | BAR | PRICE |
|-------|---------|-----|-------|
| NV038 | ⅜" | 40 | |
| NV050 | ½" | 40 | |
| NV075 | ¾" | 40 | |
| NV100 | 1" | 30 | |
| NV125 | 1¼" | 30 | |
| NV150 | 1½" | 25 | |
| NV200 | 2" | 25 | |
| NV300 | 3" | 16 | |
| NV400 | 4" | 16 | |



Foot Valve

| CODE | BSP(Fm) | BAR | PRICE |
|-------|---------|-----|-------|
| FV050 | ½" | 40 | |
| FV075 | ¾" | 40 | |
| FV100 | 1" | 30 | |
| FV125 | 1¼" | 30 | |
| FV150 | 1½" | 25 | |
| FV200 | 2" | 25 | |
| FV300 | 3" | 16 | |
| FV400 | 4" | 16 | |

Double Check Valve

WRAS approved double check valves are designed to prevent the contamination of water supplies by back siphonage and backflow.



| CODE | BSP(Fm) | PRICE |
|--------|---------|-------|
| NVD050 | ½" | |
| NVD075 | ¾" | |
| NVD100 | 1" | |



Brass Inline Filter

| CODE | BSP(Fm) | BAR | PRICE |
|---------|---------|-----|-------|
| FSI050B | ½" | 20 | |
| FSI100B | 1" | 20 | |
| FSI125B | 1¼" | 20 | |
| FSI150B | 1½" | 20 | |

METAL VALVES



Brass Hose Union Bib Tap

Max. Pressure: 15 bar

| CODE | BSP(Fm) | PRICE |
|---------|---------|-------|
| HPTU050 | 1/2" | |
| HPTU075 | 3/4" | |



Pressure Relief Valve

Adjustable from 2-9 bar.

Materials: Up to 1 1/4" Brass; 1 1/2" and above Bronze

| CODE | BSP(Fm) | PRICE |
|--------|---------|-------|
| PRV075 | 3/4" | |
| PRV100 | 1" | |
| PRV125 | 1 1/4" | |
| PRV150 | 1 1/2" | |
| PRV200 | 2" | |



Mini Ball Valves 8 bar

Body: polished chrome finish; Seal material: PTFE
Operating temperature: -15°C to +100°C. 2 x Fm

| CODE | BSP(Fm) | BSP(Fm) | PRICE |
|-----------|---------|---------|-------|
| VABVM025F | 1/4" | 1/4" | |
| VABVM038F | 3/8" | 3/8" | |
| VABVM050F | 1/2" | 1/2" | |
| VABVM075F | 3/4" | 3/4" | |



Body: polished chrome finish; Seal material: PTFE
Operating temperature: -15°C to +100°C. M x Fm

| CODE | BSP(M) | BSP(Fm) | PRICE |
|------------|--------|---------|-------|
| VABVM025MF | 1/4" | 1/4" | |
| VABVM038MF | 3/8" | 3/8" | |
| VABVM050MF | 1/2" | 1/2" | |
| VABVM075MF | 3/4" | 3/4" | |

WRAS VALVES

The Water Regulations Advisory Scheme is a conformance mark that demonstrates that an item complies with high standards set out by water regulations in the UK.



Water Fittings Approved by the UK Water Industry

Bronze Gate Valve

PN20, Bronze Gate Valve,
Handwheel operated - BS EN 12288

End Connections:
BS EN 10266 Taper (ISO7 Rc)

Temperature rating (Water, Oil, Gas): 100°C



| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| VAGVW050 | 1/2" | 20 | |
| VAGVW075 | 3/4" | 20 | |
| VAGVW100 | 1" | 20 | |
| VAGVW125 | 1 1/4" | 20 | |
| VAGVW150 | 1 1/2" | 20 | |
| VAGVW200 | 2" | 20 | |
| VAGVW300 | 3" | 20 | |

Nickel Plated Brass Ball Valve

PN40, Full Bore Nickel Plated Brass Ball Valve, lever operated - FxF

End Connections:
BS EN 10266 Parallel (ISO 228/1)

Temperature rating: 70°C



| CODE | BSP(Fm) | BAR | PRICE |
|----------|---------|-----|-------|
| VABVW050 | 1/2" | 40 | |
| VABVW075 | 3/4" | 40 | |
| VABVW100 | 1" | 40 | |
| VABVW125 | 1 1/4" | 40 | |
| VABVW150 | 1 1/2" | 40 | |
| VABVW200 | 2" | 40 | |

SOLENOID VALVES

Features: normally closed design with minimal head loss. Slow opening and closing prevents water-hammer.

Standard Accessories:

Flow control stem for manual shut-off of valve and non-bleed manual override for opening of valve in the event of electrical failure.

Electrical Data:

Standard solenoid 2-way operated;
Voltage 24 Volt AC & DC
Electrical Consumption: 3 Watts
Coil: epoxy coated, water resistant plunger

Specifications:

Max. recommended working press: 10 bar
Recommended min. pressure: 0.7 bar
Max. recommended working temp: 80°C



Bermad 200 Series Globe Valve

| CODE | BSP(Fm) | V | BAR | PRICE |
|----------|---------|--------|-----|-------|
| VASB050A | ½" | 24V AC | 10 | |
| VASB050D | ½" | 24V DC | 10 | |
| VASB075A | ¾" | 24V AC | 10 | |
| VASB075D | ¾" | 24V DC | 10 | |
| VASB100A | 1" | 24V AC | 10 | |
| VASB100D | 1" | 24V DC | 10 | |
| VASB150A | 1½" | 24V AC | 10 | |
| VASB150D | 1½" | 24V DC | 10 | |
| VASB200A | 2" | 24V AC | 10 | |
| VASB200D | 2" | 24V DC | 10 | |

Angle Valve

| CODE | BSP(Fm) | V | BAR | PRICE |
|-----------|---------|--------|-----|-------|
| VASBA150A | 1½" | 24V AC | 10 | |
| VASBA200A | 2" | 24V AC | 10 | |



Normally Open 3-Way Sol. Valve

| CODE | BSP(Fm) | V | BAR | PRICE |
|-----------|---------|--------|-----|-------|
| VASB150NO | 1½" | 24V AC | 10 | |
| VASB200NO | 2" | 24V AC | 10 | |



Normally Closed 3-Way Sol. Valve

| CODE | BSP(Fm) | V | BAR | PRICE |
|-----------|---------|--------|-----|-------|
| VASB150NC | 1½" | 24V AC | 10 | |
| VASB200NC | 2" | 24V AC | 10 | |

Bermad Diaphragms & Coils

| CODE | DESCRIPTION | PRICE |
|------------|------------------------|-------|
| VASBD01 | ¾"-1" Diaphragm | |
| VASBD02 | 1½"-2" Diaphragm | |
| VASBC12DC | 12V DC Coil | |
| VASBC24DC | 24V DC Coil | |
| VASBC120AC | 120V AC Coil | |
| VASBC24AC | 24V AC Coil | |
| VASBCL20DC | 6-20V DC Latching Coil | |



Bermad 200 Series Top Pilot

The BERMAD Top Pilot Pressure Reducing Control valves offer top performance, compact design and intuitive plug-and-play operation.

Specifications:

Working pressure: 0.5 - 10 bar
Setting range: 0.8 - 6 bar

3-Way option for low quality water.



Pressure Regulating Valve 2-Way

| CODE | BSP(Fm) | BAR | PRICE |
|----------------|---------|-----------|-------|
| VASB2TPPR2W150 | 1½" | 0.8 - 6.0 | |
| VASB2TPPR2W200 | 2" | 0.8 - 6.0 | |

Pressure Regulating Valve 3-Way

| CODE | BSP(Fm) | BAR | PRICE |
|----------------|---------|-----------|-------|
| VASB2TPPR3W150 | 1½" | 0.8 - 6.0 | |
| VASB2TPPR3W200 | 2" | 0.8 - 6.0 | |



Pressure Regulating Solenoid Valve 2-Way

| CODE | BSP(Fm) | V | BAR | PRICE |
|--------------|---------|--------|-----------|-------|
| VABPRS2W150A | 1½" | 24V AC | 0.8 - 6.0 | |
| VABPRS2W150D | 1½" | 9V DC | 0.8 - 6.0 | |
| VABPRS2W200A | 2" | 24V AC | 0.8 - 6.0 | |
| VABPRS2W200D | 2" | 9V DC | 0.8 - 6.0 | |



Pressure Regulating Solenoid Valve 3-Way

| CODE | BSP(Fm) | V | BAR | PRICE |
|--------------|---------|--------|-----------|-------|
| VABPRS3W150A | 1½" | 24V AC | 0.8 - 6.0 | |
| VABPRS3W150D | 1½" | 9V DC | 0.8 - 6.0 | |
| VABPRS3W200A | 2" | 24V AC | 0.8 - 6.0 | |
| VABPRS3W200D | 2" | 9V DC | 0.8 - 6.0 | |



SOLENOID VALVES

Bermad 100 Series High Performance Solenoid Valves

Consider using when high flow & low pressure loss is required and when:

- Reinforced plastic valves are recommended for:
- High chemical and cavitation resistance
- Light weight valves which are frequently moved in crop rotation
- Ease of installation of large projects

Solenoid Valve 2-Way



| CODE | BSP(Fm) | V | FLOW | BAR | PRICE |
|-------------|---------|--------|-----------|----------|-------|
| VASBH2W200A | 2" | 24V AC | 11-36m³/h | 0.5 - 10 | |
| VASBH2W300A | 3" | 24V AC | 25-82m³/h | 0.5 - 10 | |

Solenoid Valve 3-Way

| CODE | BSP(Fm) | V | FLOW | BAR | PRICE |
|-------------|---------|--------|------------|----------|-------|
| VASBH3W200A | 2" | 24V AC | 11-36m³/h | 0.5 - 10 | |
| VASBH3W300A | 3" | 24V AC | 25-82m³/h | 0.5 - 10 | |
| VASBH3W3LA | 3" L | 24V AC | 44-146m³/h | 0.5 - 10 | |

Pressure Regulating Valve



| CODE | BSP(Fm) | FLOW | BAR | PRICE |
|--------------|---------|------------|----------|-------|
| VASBHPPRV200 | 2" | 11-36m³/h | 0.5 - 10 | |
| VASBHPPRV300 | 3" | 25-82m³/h | 0.5 - 10 | |
| VASBHPPRV3L | 3" L | 44-146m³/h | 0.5 - 10 | |

Pressure Regulating Solenoid Valve



| CODE | BSP(Fm) | V | FLOW | BAR | PRICE |
|----------------|---------|--------|------------|----------|-------|
| VASBHPPRSV200A | 2" | 24V AC | 11-36m³/h | 0.5 - 10 | |
| VASBHPPRSV300A | 3" | 24V AC | 25-82m³/h | 0.5 - 10 | |
| VASBHPPRSV3LA | 3" L | 24V AC | 44-146m³/h | 0.5 - 10 | |

Bermad 100 Series Top Pilot Pressure Regulating Valves



Pressure Regulating Valve

| CODE | BSP(Fm) | V | BAR | PRICE |
|---------------|---------|--------|-----------|-------|
| VASBHPTPRV300 | 3" | 24V AC | 0.8 - 6.0 | |

Pressure Regulating Solenoid Valve 3-Way



| CODE | BSP(Fm) | V | BAR | PRICE |
|------------------|---------|--------|-----------|-------|
| VASBHPTPRSV3W300 | 3" | 24V AC | 0.8 - 6.0 | |

Dual Pressure Regulating Solenoid Valve



| CODE | BSP(Fm) | V | BAR | PRICE |
|----------------|---------|--------|-----|-------|
| VASBHDPRSV300A | 3" | 24V AC | 10 | |

Bermad 400 Series Metal Solenoid Valves

The Bermad 400 Series cast iron valves have been designed for the control of all types of irrigation and waterworks systems where long term reliability is essential.

Specifications:

Max Working Temperature
Body & cover material

80°C
Polyester
coated cast
iron



| CODE | DESCRIPTION | BAR | PRICE |
|-----------|--|-----|-------|
| VASBM300A | 3" Metal Solenoid Valve 24V AC | 10 | |
| VASBM300 | 3" Pressure Regulator | 10 | |
| VASBM300A | 3" Pressure Reg. Solenoid Valve 24V AC | 10 | |
| VASBM400A | 4" Metal Solenoid Valve 24V AC | 10 | |

PRESSURE REDUCING

Adjustable Direct Acting Pressure Reducer - 3/4" (MxF)

Actuated by a pressure responsive diaphragm, which seeks to reach equilibrium between hydraulic and set spring force. It reduces higher upstream pressure to lower constant downstream pressure regardless of fluctuating demand or varying upstream pressure. Max. inlet pressure must not exceed 9 bar (125psi) and the max. working temperature must not exceed 80°C.



| CODE | SPRING | ADJ RANGE | FLOW | BAR | PRICE |
|---------|--------|-------------|-----------------|---------|-------|
| PRA075W | White | 0.8-2.5 bar | 0.5 - 5.0 m³/hr | 0.7 - 9 | |
| PRA075R | Red | 2.0-4.0 bar | | | |

3/4" (FxF) PRV

| CODE | SPRING | ADJ RANGE | FLOW | BAR | PRICE |
|---------|--------|-------------|-----------------|---------|-------|
| PRA075Y | Yellow | 0.8-2.5 bar | 0.5 - 5.0 m³/hr | 0.7 - 9 | |

3/4" (MxF) PRV Low Flow



| CODE | SPRING | ADJ RANGE | FLOW | BAR | PRICE |
|-----------|--------|-------------|------------------|---------|-------|
| PRA075WLF | White | 0.8-2.5 bar | 0.01 - 3.0 m³/hr | 0.7 - 9 | |

1" (FxF) PRV



| CODE | SPRING | ADJ RANGE | FLOW | BAR | PRICE |
|---------|---------|-------------|------------------|---------|-------|
| PRA100W | White | 0.5-1.2 bar | 0.45 - 7.0 m³/hr | 0.7 - 9 | |
| PRA100R | Red | 1.0-2.0 bar | | | |
| PRA100B | Black | 1.5-3.5 bar | | | |
| PRA100N | Natural | 3.0-5.5 bar | | | |

1 1/2" (FxF) PRV



| CODE | SPRING | ADJ RANGE | FLOW | BAR | PRICE |
|---------|---------|-------------|-------------------|---------|-------|
| PRA150W | White | 0.5-1.2 bar | 0.45 - 18.0 m³/hr | 0.7 - 9 | |
| PRA150R | Red | 1.0-2.0 bar | | | |
| PRA150B | Black | 1.5-3.5 bar | | | |
| PRA150N | Natural | 3.0-5.5 bar | | | |

HUNTER CONTROLLERS

Hunter PRO-C Modular Controller

- Base controller has 4 stations
- Purchase expansion modules to increase up to 15 stations maximum
- 3 programs, 4 starts per program
- Max. station run time 6 hours
- Seasonal (global) adjustment
- Compatible with Solar-Sync
- Delay between stations
- Non-water days
- Pump/master valve output 0.28 amps
- To make 16 stations, use a 9 station module and a 3 station module



| CODE | DESCRIPTION | PRICE |
|------------|--------------------------------------|-------|
| NHUPROC40 | Pro-C 4 Station Controller - Outdoor | |
| NHUPROCSM3 | Pro-C 3 Station Module | |
| NHUPROCSM9 | Pro-C 9 Station Module | |

Hunter PRO C Hydrowise Controller

- Wi-Fi enabled for fast and simple internet connection
- Full-colour touch screen
- Built-in milliamp sensor for detection of wiring problems
- Utilizes Pro-C modules to create station counts between 4-16
- Pulse meter compatible for flow monitoring and alerts
- One sensor port
- Roam Remote compatible
- Includes 1.5m lead



| CODE | DESCRIPTION | PRICE |
|------------|-----------------------------------|-------|
| NHUPROCH | 4 Station Base Controller Outdoor | |
| NHUPROCSM3 | Pro-C 3 Station Module | |
| NHUPROCSM9 | Pro-C 9 Station Module | |

ROAM Radio Remote

- Turn stations / programs on & off from up to 300 metres from the controller
- Operates with X-CORE, PRO-C, PCC, I-CORE and ACC controllers
- 128 programmable addresses so one ROAM transmitter can be used on multiple sites
- 2 year warranty
- Connect to controller via Smart-Port



| CODE | DESCRIPTION | PRICE |
|--------------|---|-------|
| NHUHCROAMKIT | Kit: Transmitter, Receiver and Smart-Port in case | |
| NHUHCROAMWH | Smart-Port Harness alone 1.8m | |

HUNTER CONTROLLERS FOR TURF & LANDSCAPE

Hunter NODE Bluetooth Controllers

- Number of stations: 1, 2 & 4
- Bluetooth range of 15m from smartphone
- 1 smartphone manages an unlimited number of controllers
- Active station LEDs and battery-life LED indicator for battery replacement
- 3 programs with 8 start times each and 1 second to 12-hour run times
- Manual push-button operation, for quick operation without a smartphone
- Delay between stations for slow-closing valves or pump recharge
- Add soil probe for moisture sensing
- Cycle and soak prevents water waste and runoff in areas with elevation changes and tight soils
- Monthly and global seasonal adjustment for quicker schedule adjustments without changes in run times
- Secure password protection prevents unauthorised schedule changes



| CODE | DESCRIPTION | PRICE |
|-------------|--|-------|
| NHUNODEBT1 | 1 Station BT Controller c/w 9V Coil | |
| NHUNODEBT1V | 1 Station BT Controller c/w 1" PGV Valve | |
| NHUNODEBT2 | 2 Station BT Controller w/o Coil | |
| NHUNODEBT4 | 4 Station BT Controller w/o Coil | |
| NHUVS9VDC | Hunter 9V DC Latching Coil | |

Hunter ICC2 Modular Controller

- 8 station base controller
- 8 to 38 stations (plastic)
- 8 to 54 stations (metal)
- 4 independent programs
- 8 starts per program
- 2 simultaneous program operation
- 5 year warranty



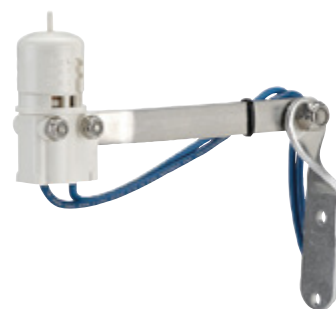
| CODE | DESCRIPTION | PRICE |
|--------------|--|-------|
| NHUICC2CON8 | ICC2 8 Station Controller - Plastic Base | |
| NHUICC2CON8M | ICC2 8 Station Controller - Metal Base | |
| NHUICC2MOD4 | 4 Station Plug-in Module | |
| NHUICC2MOD8 | 8 Station Plug-in Module | |
| NHUICC2MOD22 | 22 Station Plug-in Module | |

Hunter Accessories

Mini-Clik® Rain Sensor

Hunter Mini-Clik® Rain Sensor is world renowned for rain shut-off.

Adjusts for rainfall of 3 - 25mm.
Includes 7.6 metres of wire, aluminium mount



| CODE | DESCRIPTION | PRICE |
|---------|------------------------|-------|
| NHUMCRS | Mini-Clik® Rain Sensor | |

Wireless Rain-Clik® Rain Sensor

- Rain-Clik shuts the system off as soon as it starts to rain
- Wireless Rain-Clik uses a transmitter and receiver to eliminate the need for cables



| CODE | DESCRIPTION | PRICE |
|----------|---------------------------------------|-------|
| NHUMCWRS | Wireless Rain-Clik® Sensor & Receiver | |

Soil-Clik®

- Soil Moisture level & status at a glance
- Shuts down controller when moisture has been reached
- Sensor probe can be located up to 300m from controller
- Connects to Hunter sensor inputs



| CODE | DESCRIPTION | PRICE |
|-------|----------------------------|-------|
| NHUSC | Soil-Clik® Moisture Sensor | |

Hunter XC Hybrid Controller

- Controller can be battery or AC powered
- When the mains are off, the controller will automatically use battery power
- 3 programs, 4 starts per program
- Max. station run time 4 hours
- Operates 9V DC latching coils only
- Rain sensor connection and sensor bypass
- Global seasonal adjustment
- Delay between stations



| CODE | DESCRIPTION | PRICE |
|-----------|-----------------------------------|-------|
| NHUXC06 | XC Hybrid - 6 Station Controller | |
| NHUXC12 | XC Hybrid - 12 Station Controller | |
| NHUVS9VDC | Hunter 9V DC Latching Coil | |

RESIDENTIAL CONTROLLERS

Galconette LCD Controller

Features:

- Easy to install and simple to use
- Works with one 9V battery
- Watering time from one minute to 12 hours
- Up to four start times per day
- Working pressure from 1 to 10 bar
- ¾" BSP connections
- Weather resistant
- Built-in filter



| CODE | DESCRIPTION | PRICE |
|-----------|-------------------|-------|
| VASGT9001 | Galconette LCD ¾" | |

GALCON-IQ Controller

Features:

- Easy to install and simple to use
- Works with one 9V battery
- Watering time from one minute to 12 hours
- Up to four start times per day
- Working pressure from 1 to 10 bar
- ¾" BSP connections
- Weather resistant
- Rotating screen shields buttons and screen
- Built-in filter



| CODE | DESCRIPTION | PRICE |
|--------|-------------|-------|
| VASGIQ | GALCON-IQ | |

Jewel BT

Features:

- Program and manual operation from smartphone or tablet
- Intuitive and easy programming
- Download Galcon App
- Works with one 9V battery
- Completely waterproof (IP68)
- Working pressure 1-10 bar
- Flow rate 50-1200 l/hr
- ¾" + 1" BSP connection
- Range 5-30 metres
- Irrigation duration from 1 min to 12 hrs
- Weekly and cyclical programming



| CODE | DESCRIPTION | PRICE |
|-------------|--------------------|-------|
| VASGTJ075BT | Galcon Jewel BT ¾" | |
| VASGTJ100BT | Galcon Jewel BT 1" | |

BLUETOOTH CONTROLLERS

Galconette BT

Features:

- Program and manual operation from smartphone or tablet
- Intuitive and easy programming
- Download Galcon App
- Works with one 9V battery
- Weather resistant
- Working pressure 1-10 bar
- Flow rate 50-1200 l/hr
- ¾" BSP connection
- Range 5-30 metres



| CODE | DESCRIPTION | PRICE |
|-------------|------------------|-------|
| VASGT9001BT | Galconette BT ¾" | |

CARSON VALVE BOXES

6" Round Valve Box

Base 191mm
Top 156mm
Height 227mm

| CODE | ITEM | PRICE |
|---------|-----------|-------|
| VB06RBL | Box | |
| VB06RLO | Spare Lid | |



10" Round Valve Box

Base 292mm
Top 254mm
Height 260mm

| CODE | ITEM | PRICE |
|---------|-----------|-------|
| VB10RBL | Box | |
| VB10RLO | Spare Lid | |



Standard Valve Box

Base 406x533mm
Top 305x432mm
Height 311mm

| CODE | ITEM | PRICE |
|-------|-----------|-------|
| VBSBL | Box | |
| VBSEX | Extension | |
| VBSLO | Spare Lid | |



Jumbo Valve Box

Base 487x654mm
Top 375x544mm
Height 305mm

| CODE | ITEM | PRICE |
|-------|-----------|-------|
| VBJBL | Box | |
| VBJEX | Extension | |
| VBJLO | Spare Lid | |



HERON CONTROLLERS & CONTROL CABLE

HERON Multi-Wire Controller (Mi)

A versatile irrigation controller for horticulture, landscape and agriculture

- A superb range of software features enable you to customise the controller to match the exact needs of each installation
- Create irrigation programs, running any valve in any order
- Run up to 6 valves in parallel
- Option to operate your controller from a PC or a mobile phone
- Integrate with sensors and dosing systems
- Unique lightning surge suppression feature utilising optical technology built-in to all controllers
- Battery powered versions available in two sizes for 8 or 16 valves
- Model sizes are available for 4, 8, 12 or 16 valves
- The Mi-144 irrigation controller runs 16 valves as standard but can be upgraded to support 144 valves using expansion boxes and additional output cards.



Heron Multi-Wire Controllers - Fixed

| CODE | DESCRIPTION | PRICE |
|-------------|--------------------------------|-------|
| HCMIFIX004A | Mi-4 4 Station Controller AC | |
| HCMIFIX008A | Mi-8 8 Station Controller AC | |
| HCMIFIX012A | Mi-12 12 Station Controller AC | |
| HCMIFIX016A | Mi-16 16 Station Controller AC | |

Heron Multi-Wire Controller - Expandable

| CODE | DESCRIPTION | PRICE |
|--------------|--|-------|
| HCM1144016A | Mi-144 16 Stations as standard Controller AC | |
| HCM1ADD8ACC | Mi 8 Valve Expansion Card | |
| HCM1ADD16ACC | Mi 16 Valve Expansion Card | |
| HCM1ADDBOX | Output Box (Required for cards) | |

Heron Sensors and Weather Stations

| CODE | DESCRIPTION | PRICE |
|--------------|---|-------|
| HCM1WST2TRG | Weather Station 2 (Rain and Temperature) | |
| HCM1LIGSENE | Digital Output Light Sensor | |
| HCM1HUMSENE | Digital Output Humidity Sensor | |
| HCM1RAINSEN | Digital Output Rain Gauge | |
| HCM1RAININGB | Digital Output Raining Sensor | |
| HCM1TMPSCR | Digital Indoor Temperature Sensor (Basic) | |
| HCM1TMPASP | Digital Indoor Temperature Sensor (Aspirated) | |
| HCM1LEAFSEN | Leaf Sensor (Leaf Interface Req'd) | |
| HCM1LEAFINT | Single Wet Leaf Interface Unit | |

3 Year Warranty on all Heron Controllers

PC Operation

Mobile Phone Operation

from 4 to 144 Valves

Low Voltage Cable

Stocked in 100m reels, however 500m reels also available on request.



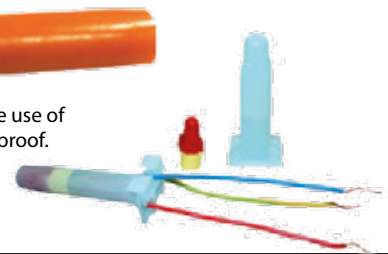
| CODE | DESCRIPTION | REEL | PRICE |
|---------|-----------------|------|-------|
| LVC0802 | 2-core x 0.8mm | 100m | |
| LVC0803 | 3-core x 0.8mm | 100m | |
| LVC0804 | 4-core x 0.8mm | 100m | |
| LVC0806 | 6-core x 0.8mm | 100m | |
| LVC0808 | 8-core x 0.8mm | 100m | |
| LVC0810 | 10-core x 0.8mm | 100m | |
| LVC0812 | 12-core x 0.8mm | 100m | |
| LVC0814 | 14-core x 0.8mm | 100m | |
| LVC0816 | 16-core x 0.8mm | 100m | |
| LVC0820 | 20-core x 0.8mm | 100m | |
| LVC0824 | 24-core x 0.8mm | 100m | |
| LVC2502 | 2-core x 2.5mm | 100m | |
| LVC2503 | 3-core x 2.5mm | 100m | |

Cable Jointing Accessories

GREASE FILLED CONNECTORS can accommodate wires from 0.1mm to 3.0mm in different combinations within the same connector. Ideal for protecting control cables in greenhouses.



DBR/Y-6 connectors permit the use of 3 wires sized 4.0mm² and are waterproof.



| CODE | DESCRIPTION | PRICE |
|-------------|--|-------|
| ELE118 | Grease Filled Connectors (Medium Orange) | |
| NTOLUKDBRY6 | DBR/Y-6 Direct Burial Connector | |

Mist Control Unit

This is a simple control system designed to automatically provide the optimum mist condition for the rooting of cuttings. Consisting of a Mist Control Unit linked to an Electronic Leaf moisture sensor, the unit operates automatically by changes of moisture on the Electronic Leaf. The unit can be adjusted to give mist burst of durations from around 3 to 10 seconds, the option of a manual override provides for a continuous mist if desired. Although a commercial controller this unit will appeal to the keen enthusiast market due to its cost and ease of operation.



ELECTRONIC LEAF

Positioned amongst the cuttings this unit is a moisture sensor which determines the frequency of misting. Moisture on the surface of the detector carries a current between its two electrodes. When the water has evaporated the circuit is broken, sending a signal the Mist Control Unit, causing misting to commence.

| CODE | DESCRIPTION | PRICE |
|--------|-------------------------|-------|
| CPSM | Mist Control Unit 240v | |
| WDL076 | 2.5m (7'6") Leaf Sensor | |
| WDL150 | 5m (15') Leaf Sensor | |
| WDL300 | 10m (30') Leaf Sensor | |

MP ROTATOR SPRINKLER

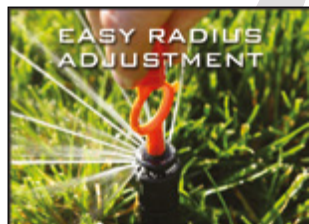


The Ideal 2.5m-10.7m Solution

Maintain Matched Precipitation - Any Arc, Any Radius.

All MP Rotator® sprinklers can be combined on the same zone for greater design and installation flexibility.

The MP Rotator can be adjusted with just a screwdriver and your hand, but the MPR Tool makes adjustment even easier!



Water Conservation

MP Rotators are more efficient than sprays because they apply water more slowly and evenly. In fact, you use 30% less water even though you run MP Rotators about twice as long as sprays.

Lower System Cost

The good news about applying water more slowly and evenly is that MP Rotators lower your system costs. You can run more heads off your water meter and reduce the number of zones required. In many cases, you can use smaller pipe.

Revitalise Old Systems

With so many models to choose from, the MP Rotator has the perfect solution for rejuvenating an older spray system without requiring a new point of connection, new lateral lines, or new valves. Some models even make it possible to eliminate existing heads, saving additional labour and material costs. Even better, independent water audits have shown potential water savings of up to 30% when systems are retrofitted with MP Rotators.



Superior Efficiency

Multiple rotating streams provide excellent uniformity

Matched Precipitation

Automatic matched precipitation even after arc and radius adjustment

Minimal Runoff

Low precipitation rate reduces runoff on slopes and tight soils

Superior Dirt Tolerance

"Double-pop" flushes on start-up and shut-down

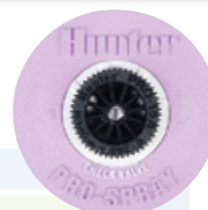
Simple and quick adjustments

Easy arc adjustment, easy radius adjustment up to 25%, no nozzle to change



Standard Pro-Spray Body

- 1/2" BSP(Fm) inlet on all models
- Compatible with female threaded nozzles
- Recommended pressure range 1 - 7 bar
- Check-valve: check to 3m elevation
- Pressure activated wiper seal



| CODE | DESCRIPTION |
|-----------|---------------------------|
| NHUSP4PRO | 4" Pop-up |
| NHUSP6PRO | 6" Pop-up |
| NHUSPCV | Check Valve for Pro-Spray |

PRS-40 Pressure Regulated Body

- Pro-Spray Body with built-in 40 psi (2.8 bar) pressure regulator to control the flow rate
- Designed for use with the MP Rotator (see page 162)
- Check-valve: check to 3m elevation
- 5 year warranty
- Heavy duty spring
- Pressure-activated wiper seal
- Grey coloured top denotes PRS-40

| CODE | DESCRIPTION |
|---------------|--|
| NHUPRS40-4PCV | 2.8 bar reg. 4" Pop-up c/w Check Valve |
| NHUPRS40-6PCV | 2.8 bar reg. 6" Pop-up c/w Check Valve |



MP Rotator Accessories

PRS Pressure Regulated Shrub-Head



















Revitalise old systems with the easy to install Hunter PRS Shrub Head.

PRS30 body with built-in 2.1 bar regulation.
PRS40 body with built-in 2.8 bar regulation.

See picture left for typical installation on PVC riser.



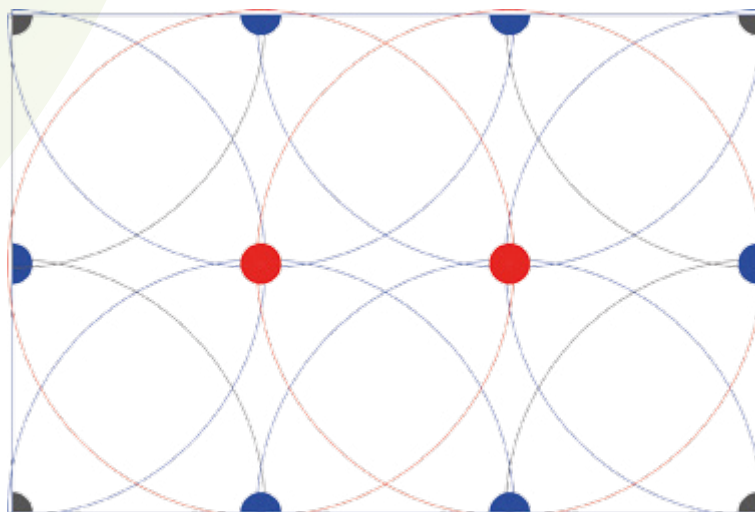
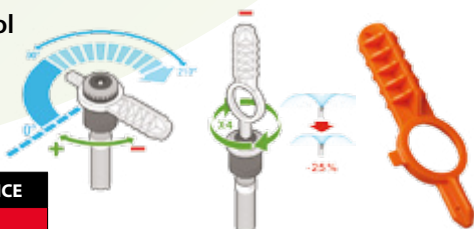
| CODE | DESCRIPTION | PRESSURE REG. | PRICE |
|-------------|------------------|---------------|-------|
| NHUPRS30-00 | PRS30 Shrub-Head | 2.1 bar | |
| NHUPRS40-00 | PRS40 Shrub-Head | 2.8 bar | |

| MODEL | ADJUSTABLE RADIUS | ADJUSTABLE ARC | | |
|---|---|---|--|--|
| <p><i>All models of the MP Rotator allow for easy radius adjustment of up to 25% while maintaining automatic matched precipitation.</i></p> | |  90° to 210° |  210° to 270° |  360° |
| MP1000 |  | MP1000-90-210 Maroon  Flow: 0.8-1.86 l/min @ 2.8 bar | MP1000-210-270 Light Blue  Flow: 1.86-2.39 l/min @ 2.8 bar | MP1000-360 Olive  Flow: 3.18 l/min @ 2.8 bar |
| MP2000 |  | MP2000-90-210 Black  Flow: 1.63-3.26 l/min @ 2.8 bar | MP2000-210-270 Green  Flow: 3.26-4.17 l/min @ 2.8 bar | MP2000-360 Red  Flow: 5.61 l/min @ 2.8 bar |
| MP3000 |  | MP3000-90-210 Blue  Flow: 3.26-8.03 l/min @ 2.8 bar | MP3000-210-270 Yellow  Flow: 8.03-10.35 l/min @ 2.8 bar | MP3000-360 Grey  Flow: 13.8 l/min @ 2.8 bar |
| MP3500 |  | MP3500-90-210 Light Brown  Flow: 4.84-12.45 l/min @ 2.8 bar | | MPC Turquoise  Flow: 0.70-1.70 l/min @ 2.8 bar |

Example of MP Rotators in nursery stock beds

Sprinkler arcs can be selected to contain the application of water within the nursery stock bed.

MP Adjustment Tool



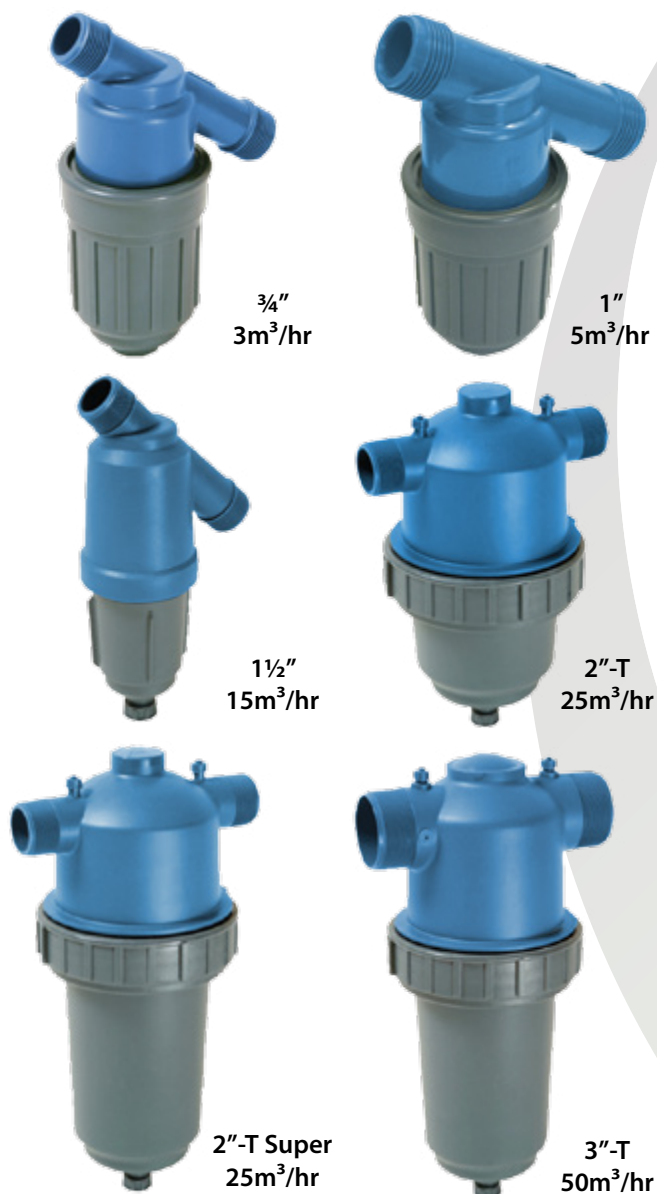
| CODE | PRICE |
|----------|-------|
| NHUMPADJ | |

 MP ROTATOR SET TO 90°
  MP ROTATOR SET TO 180°
  MP ROTATOR SET TO 360°

AMIAD MANUAL FILTERS

Amiad Tagline Filters

- Easy maintenance; No tools required for extracting the elements from the filter housing for rinsing
- High quality, excellent mechanical strength and corrosion resistance
- Low pressure loss
- Interchangeable filter elements for wide range of flow rates, various filtration degrees and irrigation applications
- Screen cylinders or Disc elements
- Max. working pressure: 8 Bar (120 psi)
- Max. working temperature: 60°C



Tagline Filter c/w 130MM Screen Element

| CODE | BSP(M) | Max. FLOW | PRICE |
|------------|------------|-----------------------|-------|
| PFTAG075 | 3/4" | 660 gph (3 m³/hr) | |
| PFTAG100 | 1" | 1,100 gph (5 m³/hr) | |
| PFTAG150 | 1 1/2" | 3,300 gph (15 m³/hr) | |
| PFTAG200T | 2"-T | 5,500 gph (25 m³/hr) | |
| PFTAG200TS | 2"-T Super | 5,500 gph (25 m³/hr) | |
| PFTAG300T | 3"-T | 11,000 gph (50 m³/hr) | |

Plastic Filters

- All-purpose plastic filters from 3/4" to 3", with interchangeable filtration degrees from 3500 to 22 micron.
- High particle retention: Large filter area, allows long intervals between cleaning. 'Super' feature allows for even longer intervals between cleaning, and highly recommended for use with poor water quality
- Non-corrosive and durable: Engineered plastics; no metal parts in contact with water
- Semi-automatic cleaning systems available by adding Scanaway assembly as shown on the next page.

Max. Pressure: 10 bar



Plastic Filter c/w 100MM Screen Element

| CODE | BSP(M) | Max. FLOW | PRICE |
|----------|--------------|-----------------------|-------|
| PF075E | 3/4" | 660 gph (3 m³/hr) | |
| PF100E | 1" Super | 1,540 gph (7 m³/hr) | |
| PF150E | 1 1/2" Super | 3,300 gph (15 m³/hr) | |
| PF200TE | 2"-T | 5,500 gph (25 m³/hr) | |
| PF200TSE | 2"-T Super | 5,500 gph (25 m³/hr) | |
| PF300TE | 3"-T | 11,000 gph (50 m³/hr) | |

SCREEN ELEMENTS

Screen Elements

| CODE | TO FIT FILTER | SCREEN COLOUR | MM | PRICE |
|-----------|-------------------|---------------|-------|-------|
| PFE075008 | ¾" | | 0.074 | |
| PFE075010 | | | 0.10 | |
| PFE075020 | | | 0.20 | |
| PFE075030 | | | 0.30 | |
| PFE075050 | | | 0.50 | |
| PFE100008 | 1" | | 0.074 | |
| PFE100010 | | | 0.10 | |
| PFE100013 | | | 0.13 | |
| PFE100020 | | | 0.20 | |
| PFE100030 | | | 0.30 | |
| PFE100050 | | | 0.50 | |
| PFE150008 | 1½" | | 0.074 | |
| PFE150010 | | | 0.10 | |
| PFE150013 | | | 0.13 | |
| PFE150020 | | | 0.20 | |
| PFE150030 | | | 0.30 | |
| PFE150050 | | | 0.50 | |
| SFE200008 | 2"-T | | 0.074 | |
| SFE200010 | | | 0.10 | |
| SFE200013 | | | 0.13 | |
| SFE200020 | | | 0.20 | |
| SFE200030 | | | 0.30 | |
| SFE200050 | | | 0.50 | |
| PFE300008 | 2"-T Super & 3"-T | | 0.074 | |
| PFE300010 | | | 0.10 | |
| PFE300013 | | | 0.13 | |
| PFE300020 | | | 0.20 | |
| PFE300030 | | | 0.30 | |
| PFE300050 | | | 0.50 | |

Disc Elements

| CODE | TO FIT FILTER | DISC COLOUR | MM | PRICE |
|-----------|---------------|-------------|------|-------|
| PFD100010 | 1" | | 0.10 | |
| PFD150010 | 1½" | | 0.10 | |
| SFD200025 | 2"-T | | 0.25 | |

Filter Element Table



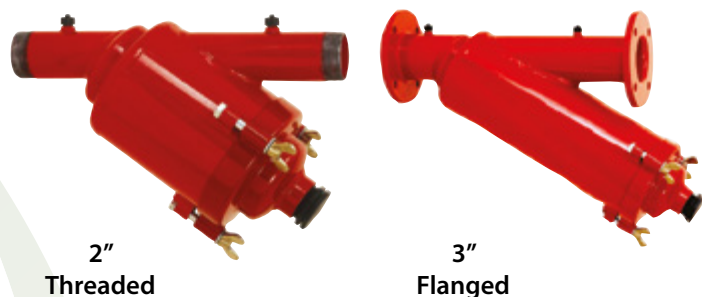
| MESH | MICRON | MM | USE WITH |
|------|--------|-------|--|
| 30 | 500 | 0.50 | Sprinklers |
| 50 | 300 | 0.30 | Mini Sprinklers Mist Propagation Spray Nozzles |
| 60 | 250 | 0.25 | |
| 75 | 200 | 0.20 | |
| 120 | 130 | 0.13 | Drip Systems |
| 155 | 100 | 0.10 | |
| 200 | 74 | 0.074 | |

METAL FILTERS

Steel Filters - Inline

High quality steel with durable polyester coating which is corrosive resistant. No tools required for maintenance. Pressure check points available for ease of determining filter cake build-up.

Automatic and semi-automatic cleaning systems available.



Steel Filter Bodies (Elements sold separately)

| CODE | SIZE | Max. FLOW | PRICE |
|--------|-------------|-----------------------|-------|
| SF200 | 2" Threaded | 5,500 gph (25 m³/hr) | |
| SF300F | 3" Flanged | 11,000 gph (50 m³/hr) | |

SEMI-AUTOMATIC FILTERS

The "Scanaway" Assembly



filtration degrees

500-50 micron

supported diameters

2" - 14"

max. operating pressure

10 bar
(150 psi)

Quick and efficient way for cleaning manual filters

The Scanaway assembly consists of a suction-scanner, a hollow pipe with suction nozzles, that is facing the inner side of the screen.

Outside the filter a handle is connected to the "suction" scanner, allowing turning the scanner in a spiral movement so it rotates inside the screen surface without touching the screen mesh.

The optional **Clogging Indicator** is a special feature mounted on the filter pressure check points and acts like a "traffic light".

Technical Specifications:

- Maximum operating pressure 10 bar
- Minimum pressure 2 bar during flushing



| CODE | SCANAWAY KIT | PRICE |
|---------|------------------------------|-------|
| PFCCK2T | Scanaway + 2" Plastic Filter | |
| PFCCK3T | Scanaway + 3" Plastic Filter | |
| PFCSCI | Optional Clogging Indicator | |

AUTOMATIC FILTERS

Series 850

The most efficient hydraulic filters that require no external power source

The filter has a specially effective suction nozzle system for cleaning the screen. The self-cleaning mechanism is hydraulically operated by the in-line water pressure. The cleaning process can be activated automatically or manually. During flushing cycle the suction nozzles scan the entire screen's inner surface in a helical movement.

Advantages:

- High Reliability: Maintains high filtering efficiency
- Low Head loss
- Efficient fully automatic self-cleaning mechanism
- Filter uses small quantities of water to flush the screen
- Filtered water supply is not interrupted during flushing
- Simple and easy to operate
- Low maintenance cost
- Low cost per cubic metre of filtered water
- Long service life thanks to corrosion protection coating and non corrosive materials

Technical Specifications:

- Min. Working Pressure 2 bar
- Max. Working Pressure 10 bar
- The max. flow rate refers to screens over 200 microns
- Average duration of flushing cycle - 10 seconds
- Other screens available (30 to 400 micron)
- All filters supplied with 100 micron screen
- Other configurations available on request



| CODE | SIZE | RECOMMENDED FLOW RATE | SCREEN AREA | PRICE |
|----------|------------|-----------------------|-------------|-------|
| NK455230 | 3" Flanged | 18 - 40 m³/hr | 1550 cm² | |
| NK455240 | 4" Flanged | 27 - 80 m³/hr | 3100 cm² | |
| NK455260 | 6" Flanged | 27 - 150 m³/hr | 3100 cm² | |

851 Hydraulic Filter Series

Automatic Self-Cleaning Screen Filter

Features:

- Hydraulically operated by the in-line water pressure
- Automatic flushing according to pressure differential
- Low water consumption during flushing
- The flushing cycles do not interrupt filtered water supply
- Applications: Agriculture, irrigation, nozzle protection, golf courses, turf

Technical Specifications:

- Maximum operating pressure 10 bar
- Minimum pressure 1 bar during flushing
- Flushing cycle time for 1" model: 6-8 seconds; 2" & 3" models: 8-12 seconds
- All filters supplied with 100 micron screen - other configurations available



| CODE | DESCRIPTION | PRICE |
|-----------|--|-------|
| NK4551010 | 1" OdisMatic 851 0.10mm Screen 7 m³/hr | |
| NK4552010 | 2" OdisMatic 851 0.10mm Screen 25 m³/hr | |
| NK4553010 | 3" OdisMatic 851 0.10mm Screen 40 m³/hr | |
| NK4553510 | 3" Flanged Odis 851 0.10mm Screen 80 m³/hr | |
| NK4554010 | 4" Flanged Odis 851 0.10mm Screen 80 m³/hr | |
| NK456010 | Support Legs (fit the 4" Filter directly) | |
| NK456120 | 2" Flange Kit for Support Legs | |

SAND SEPARATION

Hydrocyclones

Hydrocyclones are used for separation of sand and other solid matter from water or other liquids.

They are ideal for pre-filtering before sand or screen filters and for protecting pumps and valves from damage and abrasion caused by suspended solids.



| CODE | INLET/OUTLET | HEIGHT | RECOMMENDED FLOW RATE | COLLECTION CHAMBER | PRICE |
|----------|--------------|--------|-----------------------|--------------------|-------|
| NK454005 | ¾"(M) Thr. | 40 cm | 2 - 3.5 m³/hr | 2 Litre | |
| NK454010 | 1"(M) Thr. | 46 cm | 3.5 - 7.5 m³/hr | 2 Litre | |
| NK454015 | 1½"(M) Thr. | 72 cm | 7.5 - 12 m³/hr | 5 Litre | |
| NK454030 | 3" Flanged | 94 cm | 18 - 34 m³/hr | 10 Litre | |
| NK454040 | 4" Flanged | 177 cm | 52 - 82 m³/hr | 120 Litre | |

SAND FILTERS

Series 4 Sand Filters

These series 4 sand filters have been used successfully where deep and fine filtration of algae contaminated water is required especially with reservoirs and open tanks.

Water is forced at high pressure through a quantity of sand or light gravel. The accumulation of debris at the surface is removed by backflushing the filter to cause agitation of the surface layer and so separate this accumulation and carry it away to waste. In general, the more frequently backflushing occurs, the clearer the filtration medium and so the more effective it remains. This filter will typically remove debris down to 20 micron and should be backflushed automatically every hour.

| CODE | Ø | INLET | MAX. REC. DISCHARGE | BED WEIGHT | PRICE |
|----------|--|--------------|-----------------------|------------|-------|
| NK450010 | 12" | 1"(Fm) Thr. | 6 m ³ /hr | 60 Kg | |
| NK450015 | 16" | 1½"(Fm) Thr. | 9 m ³ /hr | 90 Kg | |
| NK450020 | 20" | 2"(Fm) Thr. | 15 m ³ /hr | 120 Kg | |
| NK450030 | 20" | 3"(Fm) Thr. | 20 m ³ /hr | 120 Kg | |
| NK450022 | 24" | 2"(Fm) Thr. | 28 m ³ /hr | 210 Kg | |
| NK450032 | 24" | 3"(Fm) Thr. | 30 m ³ /hr | 210 Kg | |
| FMGF | Filter Media Garofilter (Sand/Gravel) 0.7x1.3mm [20kg] | | | | |
| FMM | Filter Media (Sand/Gravel) 1.0x2.0mm [25kg] | | | | |

Sand Filter Arrays

An array is a complete filtering system, which when assembled is ready to use. It is recommended to put a standard array on a concrete base. All the arrays come with a controller for automatic backflushing which includes a differential pressure switch with a time basis back up.

TYPE B arrays come complete with sand filters, epoxy coated steel manifolds, victaulic couplings, differential pressure switch, flushing valves and electronic controller. They also have a backup screen filter and have been factory pre-tested.

| CODE | TYPE | INLET/OUTLET | MAX. FLOW RATE | PRICE |
|-----------|------------|---------------|----------------------|-------|
| NK452010B | 16" Single | 2"(M) x 2"(F) | 14m ³ /hr | |
| NK452020B | 24" Single | 2"(M) x 2"(F) | 28m ³ /hr | |
| NK452040B | 24" Double | 3" Flanged | 60m ³ /hr | |



TYPE C mobile arrays come complete with sand filters, a screen filter as a backup and control filter, flushing valves and electronic controller. They come completely assembled and mounted on a steel pallet which can be moved to different locations.

| CODE | TYPE | INLET/OUTLET | MAX. FLOW RATE | PRICE |
|-----------|------------|--------------|----------------------|-------|
| NK452040C | 24" Double | 3" Flanged | 60m ³ /hr | |
| NK452060C | 24" Triple | 4" Flanged | 84m ³ /hr | |

ALL FLANGES ARE TABLE D

SPEKTRON UV SERIES

Wedeco Spektron UV Disinfection Water Treatment System

Featuring highly efficient UV lamps and advanced flow distribution technology, the Spektron series is a cost effective, reliable solution for drinking water plants.

- Wide array of applications
- Certified and validated disinfection performance
- Low energy consumption
- Excellent performance monitoring
- Easy installation

Water disinfection by means of UV technology is the process of inactivating micro-organisms due to partial photo oxidation of the organism's DNA. UV radiation alters the DNA in the cells and stops their ability to reproduce. More than 99.99% of all pathogens can be rendered harmless in a fraction of a second.

UV disinfection has been proven effective against all pathogens, including parasites (e.g. *Cryptosporidium* and *Giardia*), bacteria (e.g. *E. coli*, *Salmonella Typhi*, *Vibrio cholerae*, *Pseudomonas aeruginosa*) and viruses (e.g. *Poliovirus*, *Norovirus* and *Rotavirus*) without affecting the taste or odour of the water.

UV technology is safer for your employees, your community, and the environment. UV disinfection eliminates the risks associated with on-site storing and handling of hazardous chemicals, keeping your treatment plant and surrounding community protected from accidental leaks.

UV inactivates up to 4-log of pathogens without adding harmful chemicals to the water and prevents by-product formation such as Trihalomethanes (THMs) or Haloacetic acids (HAAs) formed by chlorination.



| CODE | LAMPS PER ROW | FLANGE | FLOW RATE | PRICE |
|---------------|---------------|--------|-----------------------|-------|
| PULWEDSPEK30E | 1 | DN80 | 49m ³ /hr | |
| PULWEDSPEK50E | 2 | DN100 | 101m ³ /hr | |
| PULWEDSPEK90E | 3 | DN125 | 152m ³ /hr | |

MODULAR GLASSHOUSE SPRINKLERS



DAN "Green Spin" (Bayonet Type)

Non-drip inverted micro sprinkler ideal for overhead irrigation in greenhouses.

- Bridgeless - no dripping during operation
- No deflection or 'dead corners'
- Low trajectory
- Superior uniformity over a wide range of spacing
- Connections to PE or PVC pipes
- Optional Leakage Prevention Device (LPD) prevents drainage after shut-off
- Tapered or bayonet connection
- Recommended working pressure: 2.0-3.0 bar
- Filtration requirements: 200 microns



| CODE | NOZZLE | FLOW @ 2 bar | DIAMETER COVERAGE | PRICE |
|------------|--------|--------------|-------------------|-------|
| DANBAYBLAG | Green | 105 lph | 9.0 m | |
| DANBAYBLAO | Orange | 120 lph | 9.5 m | |
| DANBAYBLAK | Black | 160 lph | 9.0 m | |
| DANBAYBLAB | Blue | 200 lph | 9.5 m | |

Dan Super LPD Base (Bayonet Type)

- Prevents drainage through emitters
- Low opening and closing pressure
- Keeps systems filled with water under pressure
- Allows all units to start-up or shut-down simultaneously

Opening pressure: 1.4 bar
Closing pressure: 0.6 bar

| CODE | CONNECTION | PRICE |
|---------------|------------|-------|
| DANBAYSLPDB | PE Barbed | |
| DANBAYSLPDM11 | M11 | |
| DANBAYSLPDW38 | 3/8"WW | |



Dan Droppers - Fast n Fast

An excellent method of achieving exactly the correct height of sprinkler for controlled spread. Uses the unique Fast n Fast clip to enable the grower to move nozzles or cap-off nozzles effectively. Use with PE base only.

| CODE | DESCRIPTION | PRICE |
|-------------|-----------------|-------|
| DANDRO30M11 | M11 30cm FnF | |
| DANDRO60M11 | M11 60cm FnF | |
| DANDRO3038 | 3/8"WW 30cm FnF | |
| DANDRO6038 | 3/8"WW 60cm FnF | |
| DANDRO3047 | PE 4/7 30cm FnF | |
| DANDRO6047 | PE 4/7 60cm FnF | |



Accessories



| CODE | DESCRIPTION | PRICE |
|-----------|-----------------------|-------|
| DANDROB47 | 4/7 x 4/7 Barb | |
| DANDROPLU | Fast N Fast - Plug | |
| DANDROSTA | Stabiliser | |
| DANBUTSTA | Butterfly Stand Spike | |
| DANLPDF | Dan LPD Filter | |

For Glasshouse Overhead Watering

Basic components of the modular sprinkler are the Bridge or Bridgeless Assembly, which can accommodate all types of nozzles. Spreaders and Swivels, allowing a wide range of flow rates, distribution patterns and wetted diameters.

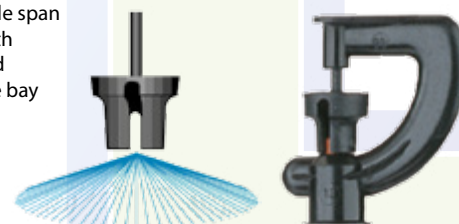
Dan Bridge Assembly (Push Fit Type) Green Swivel



| CODE | NOZZLE | ANTI-MIST | FLOW @ 2 bar | PRICE |
|---------|--------|-----------|--------------|-------|
| DANUDGE | Grey | N/A | 70 lph | |
| DANUDGG | Green | N/A | 105 lph | |
| DANUDGY | Yellow | N/A | 160 lph | |
| DANUDGB | Blue | N/A | 200 lph | |

Dan Bridge Assembly (Push Fit Type) Black Swivel | Best for Tunnels

For growers wishing to isolate a single bay or who have single span tunnels, the Black Swivel with Anti-Mist will offer improved coverage on the edge of the bay or tunnel.



| CODE | NOZZLE | ANTI-MIST | FLOW @ 2 bar | PRICE |
|----------|--------|-----------|--------------|-------|
| DANSBSGG | Green | Green | 40 lph | |
| DANSBSYY | Yellow | Yellow | 90 lph | |

Dan Bridge Bases (Push Fit Type Only)

Add a suitable Base (with or without Leakage Prevention Device) to your chosen Bridge Assembly.



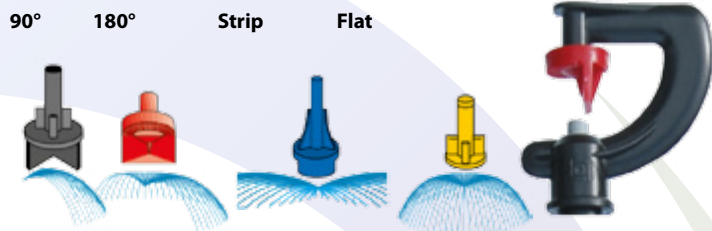
| CODE | DESCRIPTION | PRICE |
|---------------|---------------------|-------|
| DANBASEM11 | M11 Base | |
| DANBASEM11LPD | M11 Base c/w LPD | |
| DANBASE38 | 3/8"WW Base | |
| DANBASE38LPD | 3/8"WW Base c/w LPD | |
| DANBASEPE | PE Base | |
| DANBASEPELPD | PE Base c/w LPD | |
| DANBASE50 | 1/2" Base | |

MODULAR GLASSHOUSE SPRINKLERS



Dan Bridge Assembly - Spreaders

For different distribution patterns and wetted diameters.
Other flow rate nozzles available.



| CODE | NOZZLE | SPREADER | FLOW @ 2 bar | PRICE |
|------------|--------|------------|--------------|-------|
| DANSPR090G | Green | 90° | 105 lph | |
| DANSPR180G | Green | 180° | 105 lph | |
| DANSPRSTRG | Green | 180° Strip | 105 lph | |
| DANSPRFLTG | Green | Flat | 105 lph | |

4mm Hole Punch

4mm Hole Punch for use with bayonet connectors.



| CODE | DESCRIPTION | PRICE |
|----------|----------------|-------|
| NK880504 | 4mm Hole Punch | |

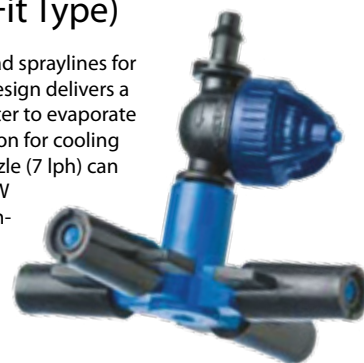
Sprayline Blanking Plug



| CODE | DESCRIPTION | PRICE |
|------|----------------------|-------|
| N11Z | M11 Blanking Plug | |
| N38Z | 3/8"WW Blanking Plug | |

Fogger with LPD (Push Fit Type)

An affordable option for existing overhead spraylines for plant propagation systems. The nozzle design delivers a very fine mist that allows most of the water to evaporate before reaching the crop, the ideal solution for cooling and humidifying of glasshouses. The nozzle (7 lph) can be fitted into sprayline with M11 or 3/8"WW thread using a water supply of 4 bar. Complete with Leakage Prevention Device to prevent drainage from the Foggers at closure, and allows simultaneous startup of the system.



| CODE | DESCRIPTION | PRICE |
|---------------|---------------------------------------|-------|
| DANFOG4M11LPD | Fogger x4, M11 Base c/w LPD 28 LPH | |
| DANFOG438LPD | Fogger x4, 3/8"WW Base c/w LPD 28 LPH | |
| DANFOG4PELPD | Fogger x4, PE Base c/w LPD 28 LPH | |

Super Fogger

The system is suitable for two applications: cooling and humidity control, and spraying, together or separately. The Fogger system is installed above the crop throughout the greenhouse (1 unit for every 4.0 square metres). The mist cloud that is formed drifts downwards slowly and gradually to envelop both high and low crops.

Technical data:

- Operating Pressure: 4.0 bar
- Flow rate: 13 lph (2 x 6.5 lph outlets)
- Wetted Diameter: 1.2m
- Built-in Leakage Prevention Device for perfect pulsed operation

Choose your base*:

- Female, Barbed, 3/8"WW



| CODE | DESCRIPTION | PRICE |
|-----------|-------------|-------|
| DANFOGS2* | 2 x 6.5 lph | |

LPD For Fogger

High Pressure LPD for Foggers.
Opening pressure: 4 bar
Closing pressure: 2.4 bar



| CODE | CONNECTION | PRICE |
|------------|------------|-------|
| DANFOGLPDB | Barbed | |

DRIP IRRIGATION

Netafim Streamline™ X Integral Dripperline

If you want optimal irrigation and fertigation for your seasonal vegetables or field crops, install the toughest thin wall drip line ever made without worrying about any cuts or leaks. Streamline™ X, the extra tough drip line, comes with a unique ribbed surface that acts as a barrier between the ground and the drip line, making installation and retrieval smoother than ever before.

Why Streamline™ X?

- **Maximum Protection:** Exterior ribbed surface prevents against potential dripline damage during installation and retrieval.
- **Durable Dripper:** Internal ribs minimise damage to dripper during installation.



Streamline™ X 16060-0.8L/H Low Flow

| CODE | WALL THICKNESS | DRIPPER SPACING | ROLL SIZE | PRICE |
|------------------|----------------|-----------------|-----------|-------|
| NETSTRX6202600LF | 0.15mm | 20cm | 2,600m | |

Streamline™ X 16060-1.10L/H

| CODE | WALL THICKNESS | DRIPPER SPACING | ROLL SIZE | PRICE |
|---------------|----------------|-----------------|-----------|-------|
| NETSTR6202600 | 0.15mm | 20cm | 2,600m | |
| NETSTR6303000 | 0.15mm | 30cm | 3,000m | |

Streamline™ X 16080-1.05L/H

| CODE | WALL THICKNESS | DRIPPER SPACING | ROLL SIZE | PRICE |
|----------------|----------------|-----------------|-----------|-------|
| NETSTRX8101000 | 0.20mm | 10cm | 1,000m | |
| NETSTRX8201000 | 0.20mm | 20cm | 1,000m | |
| NETSTRX8202200 | 0.20mm | 20cm | 2,200m | |

Streamline Specifications:

| | STREAMLINE™ X 16060 | 16060 Low Flow | STREAMLINE™ X 16080 |
|---------------------------------|---------------------|----------------|---------------------|
| Nominal Flow Rate (lph @ 1 bar) | 1.10 | 0.80 | 1.05 |
| Dripper Diameter (OD x ID) | 16.5 x 16.2mm | 16.5 x 16.2mm | 16.6 x 16.2mm |
| Wall Thickness (mm) | 0.15 | 0.15 | 0.20 |
| Max. Pressure (bar) | 1.00 | 1.00 | 1.20 |

Drip Tape Fittings



| CODE | DESCRIPTION | PRICE |
|------------|----------------------|-------|
| TTAPEA1616 | Tape PE Adaptor 16mm | |



| CODE | DESCRIPTION | PRICE |
|---------|------------------|-------|
| TTAP16J | Tape Joiner 16mm | |



| CODE | DESCRIPTION | PRICE |
|--------------|-------------------|-------|
| TTAPAD16050M | Tape 16mm x ½"(M) | |
| TTAPAD16075M | Tape 16mm x ¾"(M) | |



| CODE | DESCRIPTION | PRICE |
|---------|-----------------|-------|
| TTAP16E | Tape Elbow 16mm | |



| CODE | DESCRIPTION | PRICE |
|---------|---------------|-------|
| TTAP16T | Tape Tee 16mm | |



| CODE | DESCRIPTION | PRICE |
|-------------|-----------------------|-------|
| TTAP16T050M | Tape Tee 16mm x ½"(M) | |



| CODE | DESCRIPTION | PRICE |
|----------|--------------------------------|-------|
| TTAP16TO | Tape 16mm Take Off c/w Grommet | |
| TTAP16G | Spare Grommet | |



| CODE | DESCRIPTION | PRICE |
|------------|--------------------------------|-------|
| TTAP16TOLF | Tape 16mm Take Off for Layflat | |

LANDSCAPE DRIPLINE

Porous Pipe 16mm

Porous pipe is a rubber pipe designed for many irrigation purposes. The pipe can be used for both on-surface and sub-surface irrigation and to water capillary matting on benches.

It should be used at a pressure between 4 & 12psi. The maximum run length is 50m and the output is 4 litres per hour per metre.

Porous pipe waters:

- Garden borders and flower beds
- Vegetable plots and plant pots
- Seed trays and capillary matting

Porous pipe irrigates:

- Gardens and landscapes
- Greenhouses, cloches and allotments

Benefits:

- Uses up to 50% less water than normal watering methods
- Cost effective when using a water meter
- Can be used with rain water collected via a water butt
- Provides precise watering
- Designed to be used at low pressure
- Easy to use and has a long life

*Use 16mm Barbed Fittings with Landscape Dripline
See pages 145-146*



| CODE | Ø mm | COIL | PRICE |
|----------|------|------|-------|
| PPO16030 | 16mm | 30m | |
| PPO16050 | 16mm | 50m | |
| PPO16100 | 16mm | 100m | |

Drip Irrigation Accessories

| CODE | DESCRIPTION | PRICE |
|----------|---------------------------|-------|
| NK209716 | Ground Pipe Stake 16/20mm | |

Ottima Drippers

Adjustable. Unscrew the cap one click at a time to increase the flow.

Screwing the cap completely down will stop the flow. Adjustable from 0-40 lph.



For watering plants in pots, planter boxes, shrubs and trees.

| CODE | DESCRIPTION | PRICE |
|-----------|---------------------------------|-------|
| MIOCTA8 | Ottima 360° Barbed | |
| MIOCTA8S | Ottima 360° on Stake - End Line | |
| MIOCTA8SI | Ottima 360° on Stake - In-Line | |

| CODE | DESCRIPTION | PRICE |
|---------------|---------------------------------|-------|
| MIOCTA8S-180 | Ottima 180° on Stake - End Line | |
| MIOCTA8SI-180 | Ottima 180° on Stake - In-Line | |

Landscape Drip Irrigation

Applications:

- Sub-surface and on-surface installation
- Curved, narrow and unshaped planting areas
- Intersections, highways and traffic islands
- Areas subject to vandalism
- Slopes and high wind areas
- Turf, shrubs and trees

Specifications:

- Dripper flow rates 1.6 lph
- Pressure compensating range: 0.5-4.0 bar
- Dripline OD: 16.0mm
- Max. system pressure: 4.0 bar
- Recommended filtration: 120 mesh (0.13mm)

Max. lateral length @ 3.0 bar

| FLOW RATE | 30cm | 50cm |
|-----------|------|------|
| 1.6 lph | 123m | - |



Features and Advantages:

- Anti-siphon mechanism prevents contaminants from being drawn into the dripper
- Self-compensating and self-cleaning
- 100% uniformity for long length laterals
- The location of the drippers in the dripperline prevents the entry of sediment. The water is drawn from the stream centre
- High resistance to mechanical damage, root intrusion and clogging
- Largest filter in each dripper
- Widest water passages within the dripper
- Unique TurboNet™ flow path
- UV-resistant dripperline



| CODE | FLOW RATE | DRIPPER SPACING | COIL | PRICE |
|-----------------|-----------|-----------------|------|-------|
| NETTEC161630100 | 1.6 lph | 30cm | 100m | |


DRIP IRRIGATION

Netafim PCJ High CNL Drippers







- Latest Turbonet labyrinth design
- Operating pressure 1.5 - 4 bar
- Higher shut-off pressure
- Silicone injection moulded diaphragm
- CNL action eliminates drainage

| CODE | DRIPPER | OUTLET | OUTPUT | PRICE |
|----------------|----------|---|---------|-------|
| NETCNLJUNHIG01 | PCJ HIGH |  | 1.2 lph | |
| NETCNLJUNHIG02 | | | 2 lph | |
| NETCNLJUNHIG03 | | | 3 lph | |
| NETCNLJUNHIG04 | | | 4 lph | |

Netafim PCJ High CNL Pre Assembled Sets

| CODE | DRIPPER | LEAD | STAKE | PRICE |
|---------------|---|-------------|-----------------|-------|
| NETZJHA0501PK |  | 50cm 1.2lph | Prevo Black | |
| NETZJHA0501SK | | | Prevo 'S' Black | |
| NETZJHA0502PK | | 50cm 2lph | Prevo Black | |
| NETZJHA0802SK | | 80cm 2lph | Prevo 'S' Black | |
| NETZJHA0503SK | | 50cm 3lph | Prevo 'S' Black | |
| NETZJHA0504SK | | 50cm 4lph | Prevo 'S' Black | |

Netafim Drip Accessories

| CODE | | DESCRIPTION | PRICE |
|-----------|---|----------------------------|-------|
| NETPCJ60 |  | 100m x 60cm Lead 5.2x3.4mm | |
| NETPCJ80 | | 100m x 80cm Lead 5.2x3.4mm | |
| NETTEE5B |  | Tee 5mm BxBxB | |
| NETTEE5T | | Tee 5mm TxTxT | |
| NETTEE5TB | | Tee 5mm TxBxT | |
| NETDUM5 |  | Plug 5mm | |
| NETDUM8 | | Plug 8mm | |
| NETNIP5 |  | Nipple 5mm | |
| NETMANF4 |  | Manifold - Flat 4-Way | |
| NETCAP |  | Drip Cap | |

Netafim Metal Hole Punch

3mm Hole Punch

Comes complete with adaptor for inserting drippers and connectors.

Blue: 3mm drippers



| CODE | DESCRIPTION | PRICE |
|----------|------------------|-------|
| NETPUN | Metal Hole Punch | |
| NK880503 | 3mm Hole Punch | |


Netafim CNL Sets



| CODE | MANIFOLD | LEAD | STAKE | PRICE |
|-----------|------------------------|-----------|----------|-------|
| NETZCA08A | 4-Way Manifold (Stack) | 4 x 80cm | Straight | |
| NETZCA08S | | | 'S' | |
| NETZCA10A | 4-Way Manifold (Stack) | 4 x 100cm | Straight | |
| NETZCA10S | | | 'S' | |

Netafim CNL Drippers

- Industry leading Turbonet passage
- Fully injected dripper with very low CV
- Pressure compensated and non-leakage
- Continuously self-flushing
- Operating range for CNL Low: 1 - 4 bar with shut-off 0.15 bar
- Operating range for CNL High: 1.4 - 4 bar with shut-off 0.30 bar

| CODE | DRIPPER | OUTLET | OUTPUT | PRICE |
|------------|---------|---|--------|-------|
| NETCNLOW02 | CNL LOW |  | 2 lph | |
| NETCNLOW04 | | | 4 lph | |
| NETCNLOW08 | | | 8 lph | |



Quick-Cut Scissor Hole Punch

This patented tool provides the easiest method for punching holes. The blade retracts fully after use.

4mm Hole



| CODE | DESCRIPTION | PRICE |
|----------|--------------------------------|-------|
| NK881004 | 4mm Quick-Cut for 16/20mm pipe | |
| NK881504 | 4mm Quick-Cut for 25/32mm pipe | |

Netafim Stakes



| CODE | DESCRIPTION | PRICE |
|-------------|---------------------------|-------|
| NETAQUSTA | Aquadrip Stake - Black | |
| NETCT2 | Capillary Lead 85cm 2 LPH | |
| NETARR | Arrow Stake | |
| NETARRS | Arrow 'S' Stake | |
| NETPRESTAK | Prevo Stake - Black | |
| NETPRESSTAK | Prevo 'S' Stake - Black | |
| NETCLASTA | Side Clamp Stake | |

Netafim Spray Stake

Applications:

- Greenhouses, nurseries, garden pot irrigation

Specifications:

- Maximal working pressure: 2.0 bar
- To be inserted into a 5x3 micro-tube
- Allow distribution of water over relatively large plant areas



| CODE | DESCRIPTION | PRICE |
|-----------|--------------------------|-------|
| NETSPRGRE | Green Spray Stake 17lph | |
| NETSPRYEL | Yellow Spray Stake 12lph | |

Netafim PC Spray Stake

Applications:

- For all mini-spray nurseries and greenhouse applications

Specifications:

- High flow rates to supply correct irrigation in large pots/ growbags
- PC Spray Stake is ideal for any application in which a soil wetting mini spray pattern is desired
- UV resistant resin to provide years of trouble-free service

Features and Benefits:

- Pressure Compensated flow ensuring constant flow rate at varying inlet pressures
- Ensures uniform water and nutrient distribution during irrigation



| CODE | DESCRIPTION | PRICE |
|---------------|-----------------------------------|-------|
| NETSPRPC12L80 | PC Spray Stake 12 LPH + 80cm Lead | |
| NETSPRPC12 | PC Spray Stake 12 LPH (loose) | |



SPRINKLERS AND STANDS

Rotoframe Sprinkler

Unique low pressure sprinkler featuring 'butterfly' rotating spinner and rotary frame which provides even water distribution. Used in standard hardy stock and for outdoor beds.

| Nozzle size (mm) | Pressure (bar) | Output (m ³ /hr) | Diameter of Coverage (m) |
|------------------|----------------|-----------------------------|--------------------------|
| 4.5 | 0.5 | 0.48 | 8.1 |
| | 1.0 | 0.66 | 11.3 |
| | 1.5 | 0.83 | 13.8 |
| | 2.0 | 0.95 | 15.9 |



| CODE | CONNECTION | PRICE |
|----------|------------|-------|
| NK590010 | ½" BSP(Fm) | |
| NK590011 | ¾" BSP(Fm) | |

Part Circle Metal Sprinkler

Fingertip adjustment for watering full circle or any part of it. Baffle deflector controls height of jet and diameter of circle. Diffuser pin adjusts from heavy to fine stream.

| Nozzle size (mm) | Pressure (bar) | Output (m ³ /hr) | Diameter of Coverage (m) |
|------------------|----------------|-----------------------------|--------------------------|
| 4.0 | 2.0 | 0.85 | 25.0 |



| CODE | CONNECTION | NOZZLE SIZE | PRICE |
|------------|------------|-------------|-------|
| NK60042340 | ½" BSP(M) | 4.0mm | |

Part Circle Plastic Sprinkler (427B)

With 'ratchet' fingertip adjustment for watering full circle or any part of it.

Baffle deflector adjustable by a regulator-nut allowing change to both height and range of jet. Diffuser pin adjusts from heavy to fine stream.

| Nozzle size (mm) | Pressure (bar) | Output (m ³ /hr) | Diameter of Coverage (m) |
|------------------|----------------|-----------------------------|--------------------------|
| 2.8 | 2.0 | 0.45 | 22.0 |
| 4.0 | 2.0 | 0.85 | 24.0 |



| CODE | CONNECTION | NOZZLE SIZE | PRICE |
|------------|------------|-------------|-------|
| NK60042728 | ½" BSP(M) | 2.8mm | |
| NK60042740 | ½" BSP(M) | 4.0mm | |

Standard Sprinkler Kit

Consists of:

- Sled base
- 30cm ½" riser, bush and socket
- ¾"(M) quick coupling
- PTFE tape
- ½"(M) Zamak Sprinkler (@ 3 bar, 1.03m³/hr and 27m diameter of coverage)



| CODE | RISER HEIGHT | BSP(M) | PRICE |
|-----------|--------------|--------|-------|
| NK68KIT01 | 30cm | ½" | |

Tripod

These standpipes are made of galvanised steel.



| CODE | RISER BORE | PRICE |
|----------|------------|-------|
| NK684019 | ¾"[BSP(M)] | |
| NK684025 | 1"[BSP(M)] | |

Risers

Galvanised tube threaded both ends for use with freestanding base or to extend height of standpipes.



| CODE | RISER BORE | RISER HEIGHT | PRICE |
|-----------|------------|--------------|-------|
| SSR050050 | ½"BSP(M) | 50cm | |
| SSR075050 | ¾"BSP(M) | 50cm | |
| SSR050100 | ½"BSP(M) | 100cm | |
| SSR075100 | ¾"BSP(M) | 100cm | |

SPRINKLERS AND STANDS

Standpipes

These standpipes are made of galvanised steel.

1 metre riser, in a 1" tee with two quick couplings.

Comes complete with a galvanised ground spike and stabilising plate.



| CODE | RISER HEIGHT | RISER BORE | PRICE |
|---------|--------------|------------|-------|
| SSSG050 | 1m | ½"[BSP(M)] | |
| SSSG075 | 1m | ¾"[BSP(M)] | |

Freestanding Standpipes

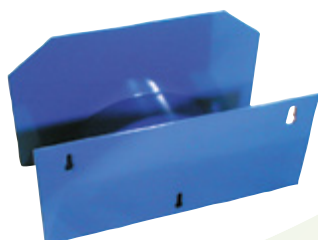
The Freestanding standpipe is similar to the above but comes with a cross base allowing the standpipe to be used on hard surfaces.



| CODE | RISER HEIGHT | RISER BORE | PRICE |
|---------|--------------|------------|-------|
| SSFS050 | 1m | ½"[BSP(M)] | |
| SSFS075 | 1m | ¾"[BSP(M)] | |

Hose Hanger

Heavy duty steel professional hose hanger for direct fixing to inner or outer walls. 100m x ½" or 50m x ¾"



| CODE | DESCRIPTION | PRICE |
|---------|------------------|-------|
| HTHH | Hose Hanger | |
| SUN032M | Metal Hose Guide | |

Hose Guides

These specially designed hose guiders will protect floor level beds from damage as well as your hose from becoming tangled.



Rain Train Travelling Sprinkler

- Custom watering along the path of the hose propelling itself along the ground following the pattern laid by the hose
- A shut off ramp is provided to automatically shut off the sprinkler
- Diameter of coverage 5 - 14 metres, adjustable by twisting arms
- Minimum operating pressure 2.8 bar (40 psi)
- To be used with ½" or ¾" hose



| CODE | DESCRIPTION | PRICE |
|----------|----------------------|-------|
| NK691000 | Rain Train Sprinkler | |

Perrot Rollcart-V

- Perrot's popular travelling sprinkler, full & part circle operation
- Water up to 120 metres length
- Minimum operating pressure 3.5 bar at the traveller
- PERROT ZE impact sprinkler provides accurate distribution up to 18 metres radius



| CODE | DESCRIPTION | PRICE |
|-----------|-------------------------------|-------|
| NK69P1000 | RollcarT Travelling Sprinkler | |

Sled Bases

METAL

Made from coated steel complete with a riser. Comes complete with a quick coupling to connect to any Geka type fitting.



COBRA

Made from heavy duty steel tube, powder coated in dark green. Coiled construction of the base means it should not tilt or tip over.

| CODE | TYPE | RISER HEIGHT | RISER BORE | PRICE |
|-----------|------------------------------|--------------|------------|-------|
| SSSBM050 | Metal c/w Quick Coupling | 30cm | ½"[BSP(M)] | |
| SSSBM075 | | | ¾"[BSP(M)] | |
| SSSBM075T | Metal c/w 'T' Quick Coupling | 30cm | ¾"[BSP(M)] | |
| SSSCOB | Cobra | 30cm | ¾"[BSP(M)] | |

Field Stands

| CODE | | STAND | BSP | PRICE |
|----------|--|---------------------|--------|-------|
| NK680050 | | Field Stand 1m 8mm | ½"(M) | |
| NK683052 | | Field Stand 1m 12mm | ½"(Fm) | |
| NK683055 | | Plug for 12mm Stand | | |
| NK680016 | | Metal Spike Base | ½"(Fm) | |
| NK680010 | | Plastic Spike Base | ½"(Fm) | |

HIGH PRESSURE HOSES

TRICOFLEX®

Widely regarded as the best hose on the market. We have large stocks of all popular sizes.

- Multi-layer construction ensures superb kink resistance
- Knitted reinforcement combines pressure resistance with excellent handling characteristics
- Smooth inner lining ensures optimum water flow and restricts algae growth
- Yellow outer layer is both UV and abrasion resistant
- Working temperature range -5°C to +60°C

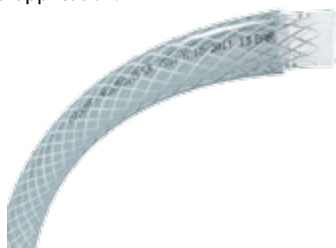


And don't forget to use our hose adaptors, quick couplings and worm drive hose clips

| CODE | HOSE ID | WP @ 20°C | COIL | PRICE |
|-----------|-------------|-----------|------|-------|
| HOST12025 | 12.5mm (½") | 10 Bar | 25m | |
| HOST12050 | 12.5mm (½") | 10 Bar | 50m | |
| HOST12100 | 12.5mm (½") | 10 Bar | 100m | |
| HOST15050 | 15mm (⅝") | 10 Bar | 50m | |
| HOST15100 | 15mm (⅝") | 10 Bar | 100m | |
| HOST19025 | 19mm (¾") | 10 Bar | 25m | |
| HOST19050 | 19mm (¾") | 10 Bar | 50m | |
| HOST19100 | 19mm (¾") | 10 Bar | 100m | |
| HOST25025 | 25mm (1") | 10 Bar | 25m | |
| HOST25050 | 25mm (1") | 10 Bar | 50m | |
| HOST25100 | 25mm (1") | 10 Bar | 100m | |
| HOST30025 | 30mm (1¼") | 8.3 Bar | 25m | |
| HOST30050 | 30mm (1¼") | 8.3 Bar | 50m | |
| HOST40025 | 40mm (1½") | 8.3 Bar | 25m | |
| HOST40050 | 40mm (1½") | 8.3 Bar | 50m | |
| HOST50025 | 50mm (2") | 8.3 Bar | 25m | |
| HOST50050 | 50mm (2") | 8.3 Bar | 50m | |

Ermaf Petrol Proof Fuel Hose

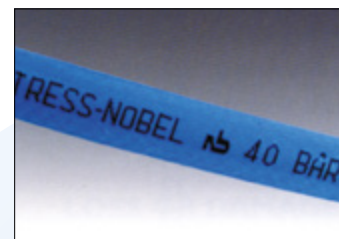
A heavy duty, reinforced hose for all fuel application.



| CODE | HOSE ID | WP @ 20°C | COIL | PRICE |
|-------------|------------|-----------|------|-------|
| ERM51100024 | 6.3mm (¼") | 10 bar | 25m | |

Tress Nobel

A blue flexible PVC hose for use with mechanical, agricultural, pulverisation and spray equipment. Resistant to most insecticides, pesticides, weed killers etc. Also used for spreading of liquid fertilisers and for compressed air.



| CODE | HOSE ID | WP @ 20°C | COIL | PRICE |
|-------------|-----------|-----------|------|-------|
| HOSTN008050 | 8mm | 40 Bar | 50m | |
| HOSTN010050 | 10mm (⅜") | 40 Bar | 50m | |
| HOSTN010100 | 10mm (⅜") | 40 Bar | 100m | |
| HOSTN012050 | 12mm (½") | 40 Bar | 50m | |
| HOSTN012100 | 12mm (½") | 40 Bar | 100m | |
| HOSTN019050 | 19mm (¾") | 30 Bar | 50m | |

Super Nobelair

A beige hose designed for compressed air and gasses. The strong 3 layer design in extra soft PVC with extra reinforcement enables it to withstand high pressure well.



| CODE | HOSE ID | WP @ 20°C | COIL | PRICE |
|-------------|---------|-----------|------|-------|
| HOSSN006050 | 6mm | 20 Bar | 50m | |
| HOSSN008050 | 8mm | 20 Bar | 50m | |
| HOSSN010050 | 10mm | 20 Bar | 50m | |
| HOSSN012025 | 12.7mm | 20 Bar | 25m | |
| HOSSN019050 | 19mm | 20 Bar | 50m | |
| HOSSN025050 | 25mm | 20 Bar | 50m | |

PVC Clear Hose

A multi-purpose, transparent, single ply hose, for use in laboratories, industry and many food applications.

- Low to medium pressure
- -15° to +60°C



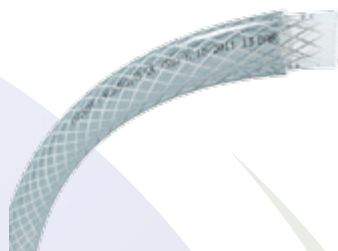
| CODE | HOSE ID | COIL | PRICE |
|----------|-------------|------|-------|
| HOSCR006 | 6mm (¼") | 30m | |
| HOSCR008 | 8mm (5/16") | 50m | |
| HOSCR010 | 10mm (⅜") | 30m | |
| HOSCR012 | 12mm (½") | 50m | |
| HOSCR019 | 19mm (¾") | 30m | |
| HOSCR025 | 25mm (1") | 30m | |

MORE HOSES

Clear Braided Hose

Low cost, transparent reinforced hose that has many uses. Resistant to weather conditions. Lightweight and flexible this hose is ideal for irrigation use and other low temperature liquid transfers.

- Low to medium pressure
- -5° to +60°C



| CODE | HOSE ID | WP @ 20°C | COIL | PRICE |
|---------|------------|-----------|------|-------|
| HOSC025 | 6mm (¼") | 23 Bar | 30m | |
| HOSC038 | 10mm (¾") | 17 Bar | 30m | |
| HOSC050 | 12mm (½") | 13 Bar | 30m | |
| HOSC075 | 19mm (¾") | 11 Bar | 30m | |
| HOSC100 | 25mm (1") | 8 Bar | 30m | |
| HOSC125 | 32mm (1¼") | 7 Bar | 30m | |
| HOSC150 | 38mm (1½") | 4 Bar | 30m | |

Sunny Hose Lay Flat

Sunnyhose is made of synthetic fibres and soft PVC in a continuous one process production. It is a general purpose hose, consistently high in quality, and available in long lengths. It is designed for water supply or drainage, for drip irrigation and sprinkler irrigation at farms, ideal for use as a drainage hose in emergency/flood/disaster situations when large quantities of water must be moved quickly.



| CODE | HOSE ID | WEIGHT | WORKING PRESSURE | BURST PRESSURE | PRICE / METRE | PRICE 100M COIL |
|-----------|-------------|----------|------------------|----------------|---------------|-----------------|
| PUR030300 | 25mm (1") | 16.5 kg | 7 Bar | 21 Bar | | |
| PUR030302 | 30mm (1¼") | 20.0 kg | 7 Bar | 21 Bar | | |
| PUR030304 | 38mm (1½") | 15.0 kg | 5 Bar | 15 Bar | | |
| PUR030306 | 50mm (2") | 27.0 kg | 4.5 Bar | 13.5 Bar | | |
| PUR030307 | 65mm (2½") | 39.0 kg | 4 Bar | 12 Bar | | |
| PUR030308 | 76mm (3") | 53.0 kg | 4 Bar | 12 Bar | | |
| PUR030310 | 102mm (4") | 72.0 kg | 4 Bar | 12 Bar | | |
| PUR030312 | 155mm (6") | 120.0 kg | 3 Bar | 9 Bar | | |
| PUR030314 | 200mm (8") | 178.0 kg | 3 Bar | 9 Bar | | |
| PUR030316 | 250mm (10") | 265.0 kg | 2.5 Bar | 7.5 Bar | | |
| PUR030318 | 300mm (12") | 291.0 kg | 2 Bar | 6 Bar | | |

Spiral Suction Hose

A medium weight PVC hose reinforced with a semi-rigid, crush resistant helix. It is tough, flexible and extremely durable under normal operating conditions.

- Suitable for use with slurries, liquids and diluted chemicals
- -25°C to +55°C



Pictured fittings not included

| CODE | HOSE ID | WP | BURST | COIL | PRICE/M |
|----------|------------|---------|--------|------|---------|
| HOSSG075 | 20mm (¾") | 6 bar | 21 bar | 30m | |
| HOSSG100 | 25mm (1") | 8 bar | 24 bar | 30m | |
| HOSSG125 | 32mm (1¼") | 7 bar | 21 bar | 30m | |
| HOSSG150 | 38mm (1½") | 6 bar | 18 bar | 30m | |
| HOSSG200 | 50mm (2") | 6 bar | 18 bar | 30m | |
| HOSSG250 | 63mm (2½") | 5 bar | 15 bar | 30m | |
| HOSSG300 | 75mm (3") | 4 bar | 12 bar | 30m | |
| HOSSG400 | 102mm (4") | 4 bar | 12 bar | 30m | |
| HOSSG600 | 152mm (6") | 3 bar | 9 bar | 20m | |
| HOSSG800 | 202mm (8") | 1.5 bar | | 6m | |

Aquatic Hose

Hose for light duty suction and delivery application for water, garden and similarly light duty pumps. Highly flexible and crush resistant.



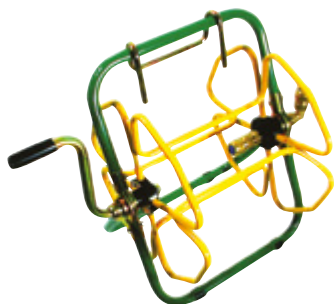
| CODE | HOSE ID | COIL | PRICE |
|----------|------------|------|-------|
| HOSVF050 | 12mm (½") | 30m | |
| HOSVF075 | 20mm (¾") | 30m | |
| HOSVF100 | 25mm (1") | 30m | |
| HOSVF125 | 32mm (1¼") | 30m | |
| HOSVF150 | 38mm (1½") | 30m | |

PROFESSIONAL HOSE TROLLEYS & REELS

Portable Hose Reel

Portable hose reel made from epoxy coated steel tube, complete with steel bracket for wall mounting and standard ½" couplings.

- Can be adapted to ¾" 40m x ¾"

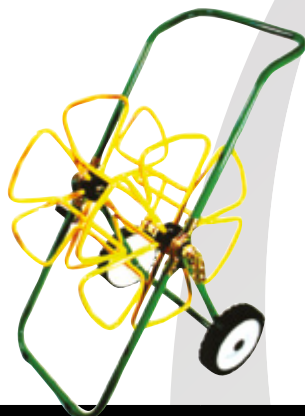


| CODE | DESCRIPTION | PRICE |
|------|--------------------|-------|
| HTS | Hose Reel 50m x ½" | |

Hose Trolley

Hose trolley made from epoxy coated steel tube, complete with standard ½" hose coupling.

- Can be adapted to ¾" 70m x ¾"



| CODE | DESCRIPTION | PRICE |
|------|------------------------|-------|
| HTM | Hose Trolley 100m x ½" | |

Hose Trolley - Stainless Steel

Hose trolley made from Stainless Steel tube, complete with standard ½" hose coupling.

- Can be adapted to ¾" 70m x ¾"



| CODE | DESCRIPTION | PRICE |
|-------|---------------------------|-------|
| HTMSS | Hose Trolley SS 100m x ½" | |

Hose Trolley with Stabilisers

Hose trolley made from epoxy coated steel tube, complete with metal stabilisers and standard ½" hose coupling.

- Can be adapted to ¾" 100m x ¾"

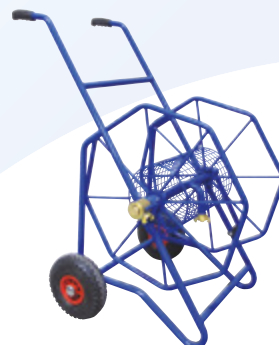


| CODE | DESCRIPTION | PRICE |
|------|---|-------|
| HTLS | Hose Trolley with Stabilisers 150m x ½" | |

HD Professional Hose Trolley

Heavy duty professional hose trolley made from coated steel section, complete with quick couplings and pneumatic tyres.

Heavy duty compact trolley is specially designed for nursery pathways.

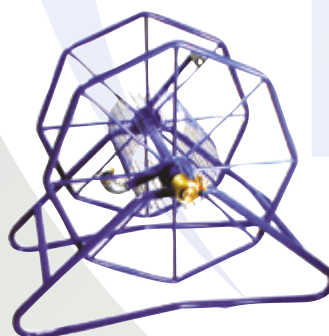


| CODE | DESCRIPTION | PRICE |
|----------|--------------------------------|-------|
| HTP | Pro Hose Reel 80m x 1" | |
| HTPC | Compact Pro Hose Reel 80m x ¾" | |
| NK5208HU | Brass Swivel | |
| NK5208SR | Swivel Seal Kit | |
| NK5208WH | Pneumatic wheel | |

Freestanding Reel

Heavy duty professional freestanding hose reel with 1" quick couplings.

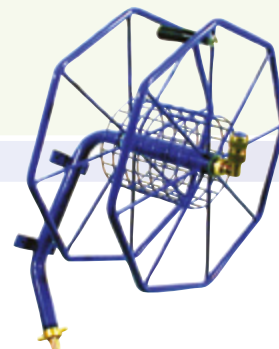
- Can be adapted to ¾" 120m x ¾"



Wall Mounted Reel

A well engineered wall mounted tubular steel reel with a powder coated finish. Complete with ½" hose connectors.

Optional swivel & locking action model available.



| CODE | DESCRIPTION | PRICE |
|----------|--|-------|
| HTPF | Pro Freestanding Hose Reel 80m x 1" | |
| HTRS050P | Small Wall Mounted 50m x ½" [Plastic Coated] | |
| HTRS050S | Wall Mounted Swivel 50m x ½" | |
| HTRL100 | Large Wall Mounted 100m x ½" | |

DRAMM PROFESSIONAL WATERING TOOLS

Dramm ColorMark™ Professional Lances In Six Colours

New colourful and strong watering tools made by Dramm USA. A full range of watering tools in various sizes, colours and lengths are now available including European couplings and connectors.

- The Premium Watering Lance
- Handcrafted brass shut-off valve
- Gentle, full flow for fast watering
- Comfortable foam grip
- Professional grade materials
- Six rich colours
- Lifetime guarantee
- American made with European connectors



DRAMM

| CODE | COL. | LENGTH | ROSE | FLOW @ 2.7 Bar | PRICE |
|--------------|--------|--------|--------|----------------|-------|
| DRAMPWL040BH | Blue | 40cm | 400PL | 42 LPM | |
| DRAMPWL060RH | Red | 60cm | 1000PL | 26.5 LPM | |
| DRAMPWL060BH | Berry | 60cm | 400AL | 42 LPM | |
| DRAMPWL060GH | Green | 60cm | 400PL | 42 LPM | |
| DRAMPWL075OH | Orange | 75cm | 400PL | 42 LPM | |

WBPR Rubber Protection Ring

Since the invention of the 1000PL in the mid 1990's, Dramm has offered a protective ring to reduce damage to the Water Breaker body and the disk.

The new ring reduces any shock damage greatly, keeping your Water Breakers safe against rough handling.



| CODE | DESCRIPTION | PRICE |
|---------|------------------------|-------|
| DRAMRPR | Rubber Protection Ring | |

One Touch Valve

The One Touch™ offers **thumb-tip control** of your water flow. Extremely easy to use, the One Touch can be adjusted from off to full-flow and anywhere in between with thumb-tip precision. Made from rubber over moulded, die-cast zinc with machined brass male threads, the One Touch is made to last.



With 42 LPM @ 2.7 Bar, the One Touch has enough flow to power all of the Dramm Water Breakers on this page.

| CODE | DESCRIPTION | PRICE |
|---------|-----------------|-------|
| DRAMOTV | One Touch Valve | |

Seedling Nozzle

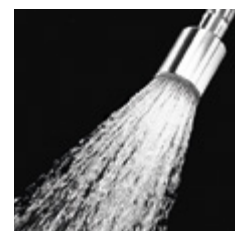
The Seedling nozzle allows you to water fragile plants, delicate seedlings or plant cuttings. This high-quality nozzle produces an extra fine, hollow cone mist pattern and sprays 7.5 LPM of water. Made from solid brass with 3/4" brass hose threads.



| CODE | WEIGHT | FLOW @ 2.7 Bar | PRICE |
|--------|--------|----------------|-------|
| DRAMSN | 76g | 11 LPM | |

170AL Aluminium Water Breaker™ Nozzle

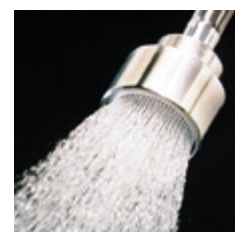
The 170AL Water Breaker is excellent for watering areas with low water pressure or with systems which restrict total water volume. It is designed for small containers (hanging baskets), and when using a fertiliser injector. Cast aluminium with 3/4" brass hose threads.



| CODE | WEIGHT | FLOW @ 2.7 Bar | PRICE |
|---------------|--------|----------------|-------|
| DRAMMR170AL10 | 45g | 26.5 LPM | |

400AL Aluminium Water Breaker™ Nozzle

The original full-flow shower head nozzle. Dramm's aluminium 400AL Water Breaker provides fast, full-flowing watering without damage to your plants or disturbing soil. Used and recommended daily by professional growers worldwide. Cast aluminium and hand machined with 3/4" brass hose threads.



| CODE | WEIGHT | FLOW @ 2.7 Bar | PRICE |
|---------------|--------|----------------|-------|
| DRAMMR400AL10 | 145g | 42 LPM | |

Commercial Plastic Fan Nozzle

The Dramm Commercial Fan Nozzle offers a fine to medium flow but with a rectangular shape.

Perfect for flats and plugs as well as long-distance watering with a soft pattern.

The Dramm Fan is made from lightweight ABS plastic and can be used directly on the hose or at the end of a Handi-Reach handle.



| CODE | WEIGHT | FLOW @ 2.7 Bar | PRICE |
|---------|--------|----------------|-------|
| DRAMPFN | 76g | 26.5 LPM | |

1000PL Water Breaker™ Nozzle

The 1000PL Redhead Water Breaker has over 1,000 micro holes that create an ultra-soft flower shower which will not disturb delicate soil or harm tender plants. ABS plastic and stainless steel construction. 3/4" hose threads.

Use with a Dramm In-Line Hose Filter to prevent clogging.



| CODE | WEIGHT | FLOW @ 2.7 Bar | PRICE |
|----------------|------------------------|----------------|-------|
| DRAMPR1000PL10 | 45g | 26.5 LPM | |
| DRAMILF175SS | SS Inline Filter 175mu | | |

400PL Water Breaker™ Nozzle

The 400PL Water Breaker provides fast, full-flow watering without damage to your plants. Patterned after the original 400AL, the 400PL is made from high-impact ABS plastic and aluminium to provide a lightweight alternative. Used by professional growers worldwide. 3/4" hose threads.



| CODE | WEIGHT | FLOW @ 2.7 Bar | PRICE |
|---------------|--------|----------------|-------|
| DRAMPR400PL10 | 37g | 42 LPM | |

WATERING LANCES, ROSES & ADAPTORS

Metal 'Soft Rain' Lance

Complete with alloy rose, quick coupling and metal valve.

- 19mm aluminium lance
- Full flow: 51 lpm @ 6 bar
- Threaded 3/4"(M) outlet



| CODE | LENGTH | PRICE |
|--------|--------|-------|
| SRL040 | 40cm | |
| SRL060 | 60cm | |
| SRL090 | 90cm | |
| SRL120 | 120cm | |

Geka Pro Lance

Complete with adjustable valve.

- Compatible with quick connectors on page 182
- 34 lpm @ 3 bar



| CODE | LENGTH | PRICE |
|----------|--------|-------|
| SRGPL020 | 20cm | |
| SRGPL060 | 60cm | |

Trigger Lance

60cm lance and quick coupling, rose not included.

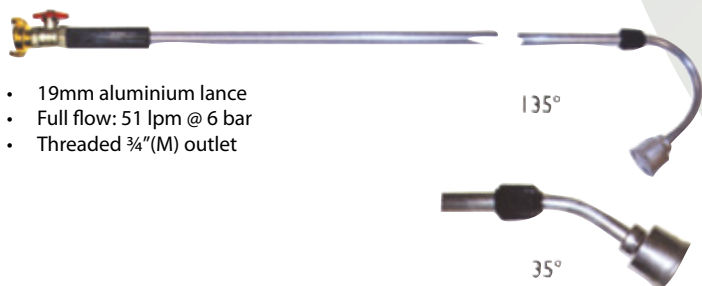
- 14mm aluminium lance
- Full flow: 39 lpm @ 6 bar - fine spray setting
- Threaded M11(Fm) outlet



| CODE | LENGTH | PRICE |
|------|--------|-------|
| SRTL | 60cm | |

Telescopic 'Hanging Basket' Lance

Extendable from 1.6m to 2.8m. Complete with metal valve and alloy rose. Choice of angled heads: 135° being particularly suited to watering hanging baskets.



- 19mm aluminium lance
- Full flow: 51 lpm @ 6 bar
- Threaded 3/4"(M) outlet

| CODE | LENGTH | PRICE |
|---------|----------------|-------|
| SRTLHLB | 160-280cm 135° | |
| SRTLHL | 160-280cm 35° | |

Soft Rain Lance Filter

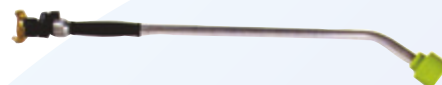
| CODE | DESCRIPTION | PRICE |
|------|------------------------|-------|
| SRLF | Soft Rain Lance Filter | |



Plastic 'Soft Rain' Lance

Complete with plastic valve, rose and quick coupling.

- 19mm aluminium lance
- Full flow: 47 lpm @ 6 bar
- Threaded 3/4"(M) outlet



| CODE | LENGTH | PRICE |
|---------|--------|-------|
| SRL060P | 60cm | |

Danish Trolley Watering Bar

Perfect for watering plants on Danish Trolleys.

- Light metal with quick hose coupling
- Number of nozzle bores: 32



| CODE | LENGTH | PRICE |
|---------|--------|-------|
| SRLDTWB | 65cm | |

Metal Spray Gun 6 Function

- Soaker
- Cone
- Flat
- Shower
- Jet
- Mist



| CODE | FITTING | PRICE |
|----------|---|-------|
| NK039479 | Metal 6 Function Spray Gun | |
| NK039486 | Functions as above but with Rubber Grip | |
| NK039870 | Metal Nozzle | |

Aluminium Pistol

Complete with adjustable nozzle and trigger control.



| CODE | PRICE |
|-------|-------|
| SRSPA | |

AKBO Water Gun

- Adjustable spray pattern from solid jet to fine spray by on/off trigger
- Inlet 1/2"(Fm), covered in thick protective EPDM rubber
- Adjustable water volume by turning finger screw on rear of gun
- Max. Press. 24 bar
- Max. Flow 65 lpm
- Max. temp. 80°C

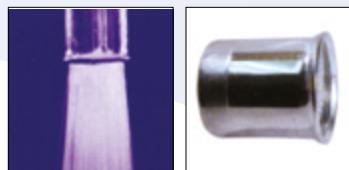


| CODE | PRICE |
|------------|-------|
| PUDAKBO001 | |

WATERING LANCES, ROSES & ADAPTORS

Small Alloy Rose

- Threaded $\frac{3}{4}$ "(Fm) connection
- 90 lpm @ 5 bar



| CODE | PRICE |
|--------|-------|
| SRR05F | |

Large Alloy Rose

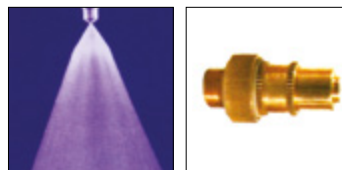
- Threaded $\frac{3}{4}$ "(Fm) connection
- 110 lpm @ 5 bar



| CODE | PRICE |
|--------------------|-------|
| SRAR - standard | |
| SRARB - 1mm coarse | |

Fine Spray Nozzle

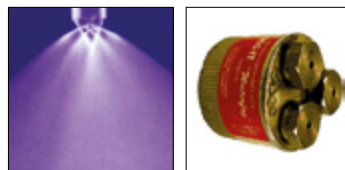
- M11(M) connection



| CODE | PRICE |
|--------|-------|
| SRN48A | |

Triple Jet Nozzle

- Threaded $\frac{3}{4}$ "(Fm) connection
- 7.57 lpm



| CODE | PRICE |
|--------|-------|
| SRN46F | |

Spray Washer Nozzle

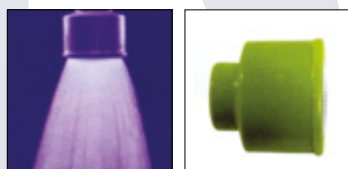
- Threaded $\frac{3}{4}$ "(Fm) connection



| CODE | PRICE |
|--------|-------|
| SRN40F | |

Large Plastic Rose

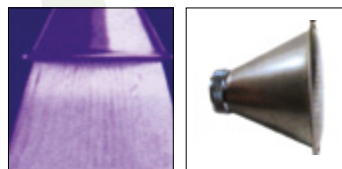
- Threaded $\frac{3}{4}$ "(Fm) connection



| CODE | PRICE |
|-------------------|-------|
| SRR09F - standard | |

Shower Rose

- Threaded $\frac{3}{4}$ "(Fm) connection



| CODE | PRICE |
|------|-------|
| SRSR | |

Fan Spray Head

- Threaded $\frac{3}{4}$ "(M) connection
- 2mm or 3mm nozzle



| CODE | PRICE |
|---------|-------|
| SRN55M2 | |
| SRN55M3 | |

Shower Rose with Bumper

- Threaded $\frac{3}{4}$ "(Fm) connection



| CODE | PRICE |
|-------|-------|
| SRSRB | |

Spare Bumper

- For above shower rose



| CODE | PRICE |
|--------|-------|
| SRSRBS | |

Full Jet Nozzle

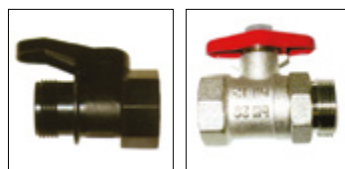
- Threaded $\frac{3}{4}$ "(M) connection



| CODE | PRICE |
|--------|-------|
| SRN50M | |

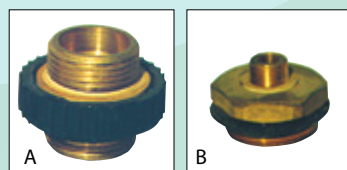
Mini Ball Valves

- $\frac{3}{4}$ "(Mx Fm) connection



| CODE | PRICE |
|-----------------|-------|
| SRLV - Metal | |
| SRLVP - Plastic | |

Nipples & Adaptors



| CODE | PICTURE | THREADED | PRICE |
|--------|---------|---|-------|
| SRM3M3 | A | $\frac{3}{4}$ "(M) x $\frac{3}{4}$ "(M) | |
| SRM3M1 | B | $\frac{3}{4}$ "(M) x M11(M) | |



Hose connectors: P.175
Professional hoses: P.168

HOSE ADAPTORS



PP H.Ad. 6 Bar [BSP(M)]

| CODE | BSP(M) | Ø mm Hose | PRICE |
|-----------|--------|-----------|-------|
| HA025025M | ¼" | 7 | |
| HA038038M | ⅜" | 10 | |
| HA050050M | ½" | 13 | |
| HA050075M | ¾" | 13 | |
| HA075050M | ½" | 20 | |
| HA075075M | ¾" | 20 | |
| HA075100M | 1" | 20 | |
| HA100075M | ¾" | 25 | |
| HA100100M | 1" | 25 | |
| HA100125M | 1¼" | 25 | |
| HA125100M | 1" | 32 | |
| HA125125M | 1¼" | 32 | |
| HA143125M | 1¼" | 38 | |
| HA143150M | 1½" | 38 | |
| HA150125M | 1¼" | 40 | |
| HA150150M | 1½" | 40 | |
| HA200150M | 1½" | 50 | |
| HA200200M | 2" | 50 | |



PP H.Ad. 6 Bar [BSP(F)]

| CODE | BSP(F) | Ø mm Hose | PRICE |
|-----------|--------|-----------|-------|
| HA038038F | ⅜" | 10 | |
| HA050050F | ½" | 13 | |
| HA075075F | ¾" | 20 | |
| HA075100F | 1" | 20 | |
| HA100100F | 1" | 25 | |
| HA125125F | 1¼" | 32 | |
| HA150150F | 1½" | 40 | |
| HA200200F | 2" | 50 | |



PP H.Ad. Elbow 6 Bar [BSP(M)]

| CODE | BSP(M) | Ø mm Hose | PRICE |
|------------|--------|-----------|-------|
| HAE050050M | ½" | 12 | |
| HAE050075M | ¾" | 12 | |
| HAE058050M | ½" | 16 | |
| HAE075050M | ½" | 20 | |
| HAE075075M | ¾" | 20 | |
| HAE100075M | ¾" | 25 | |
| HAE100100M | 1" | 25 | |
| HAE125125M | 1¼" | 32 | |
| HAE150150M | 1½" | 40 | |
| HAE200200M | 2" | 50 | |



PP H.Ad. Elbow 6 Bar [BSP(F)]

| CODE | BSP(F) | Ø mm Hose | PRICE |
|------------|--------|-----------|-------|
| HAE050050F | ½" | 12 | |
| HAE075075F | ¾" | 20 | |
| HAE100100F | 1" | 25 | |
| HAE125125F | 1¼" | 32 | |
| HAE150150F | 1½" | 40 | |
| HAE200200F | 2" | 50 | |



Nylon Hose Joiner

| CODE | Hose Ø | PRICE |
|--------|--------|-------|
| HAJ050 | ½" | 13mm |
| HAJ058 | ⅝" | 16mm |
| HAJ075 | ¾" | 20mm |
| HAJ100 | 1" | 25mm |
| HAJ125 | 1¼" | 32mm |
| HAJ150 | 1½" | 39mm |



Nylon Hose Reducer

| CODE | From Ø | To Ø | PRICE |
|------------|--------|------|-------|
| HARJ075050 | ¾" | ½" | |
| HARJ100075 | 1" | ¾" | |
| HARJ125100 | 1¼" | 1" | |



Nylon Elbow

| CODE | Hose Ø | PRICE |
|--------|--------|-------|
| HAE050 | ½" | 13mm |
| HAE058 | ⅝" | 16mm |
| HAE075 | ¾" | 20mm |
| HAE100 | 1" | 25mm |
| HAE125 | 1¼" | 32mm |
| HAE150 | 1½" | 39mm |
| HAE200 | 2" | 50mm |



Nylon Tee

| CODE | Hose Ø | PRICE |
|--------|--------|-------|
| HAT050 | ½" | 13mm |
| HAT058 | ⅝" | 16mm |
| HAT075 | ¾" | 20mm |
| HAT100 | 1" | 25mm |
| HAT125 | 1¼" | 32mm |
| HAT150 | 1½" | 39mm |



Nylon Hose Y

| CODE | Hose Ø | PRICE |
|--------|--------|-------|
| HAY050 | ½" | 13mm |
| HAY058 | ⅝" | 16mm |
| HAY075 | ¾" | 20mm |
| HAY100 | 1" | 25mm |



Multistage Hose Adaptor

| CODE | BSP | Hose Ø | PRICE |
|----------|--------|-----------------|-------|
| HAMS050M | ½"(M) | ⅜", ½", ¾" | |
| HAMS075M | ¾"(M) | ½", ¾", 1" | |
| HAMS100M | 1"(M) | ¾", 1", 1¼" | |
| HAMS125M | 1¼"(M) | 1", 1¼", 1½" | |
| HAMS150M | 1½"(M) | ½", ¾", 1", 1¼" | |
| HAMS100F | 1"(F) | ½", ¾", 1" | |
| HAMS125F | 1¼"(F) | ¾", 1", 1¼" | |

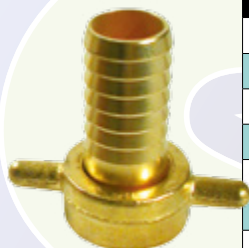
HOSE CONNECTORS

Metal Hose Adaptor



| CODE | HOSE | BSP(M) | PRICE |
|--------------|--------|--------|-------|
| METHA025025M | 1/4" | 1/4" | |
| METHA038038M | 3/8" | 3/8" | |
| METHA038025M | 3/8" | 1/4" | |
| METHA050050M | 1/2" | 1/2" | |
| METHA075050M | 3/4" | 1/2" | |
| METHA050075M | 1/2" | 3/4" | |
| METHA075075M | 3/4" | 3/4" | |
| METHA100075M | 1" | 3/4" | |
| METHA075100M | 3/4" | 1" | |
| METHA100100M | 1" | 1" | |
| METHA125125M | 1 1/4" | 1 1/4" | |
| METHA150150M | 1 1/2" | 1 1/2" | |
| METHA200200M | 2" | 2" | |

Metal Swivel Coupling



| CODE | HOSE | BSP(Fm) | PRICE |
|-----------|--------|---------|-------|
| SC038038F | 3/8" | 3/8" | |
| SC050050F | 1/2" | 1/2" | |
| SC050075F | 1/2" | 3/4" | |
| SC075075F | 3/4" | 3/4" | |
| SC075100F | 3/4" | 1" | |
| SC100100F | 1" | 1" | |
| SC125125F | 1 1/4" | 1 1/4" | |
| SC150150F | 1 1/2" | 1 1/2" | |
| SC200200F | 2" | 2" | |
| SC300300F | 3" | 3" | |

Steel Plated Hose Mender



| CODE | HOSE I.D. | PRICE |
|-------|-----------|-------|
| HJ038 | 3/8" | |
| HJ050 | 1/2" | |
| HJ075 | 3/4" | |
| HJ100 | 1" | |
| HJ125 | 1 1/4" | |
| HJ150 | 1 1/2" | |
| HJ200 | 2" | |
| HJ300 | 3" | |
| HJ400 | 4" | |
| HJ600 | 6" | |

2 Way Outlet Valve to Bayonet



| CODE | BSP(Fm) | PRICE |
|----------|---------|-------|
| NK039019 | 3/4" | |

2 Way Outlet Valve to BSP(M)



| CODE | BSP(Fm) | PRICE |
|----------|---------|-------|
| NK039119 | 3/4" | |

Quick Coupling Hose



| CODE | SIZE | PRICE |
|--------|--------|-------|
| QCH038 | 3/8" | |
| QCH050 | 1/2" | |
| QCH058 | 5/8" | |
| QCH075 | 3/4" | |
| QCH100 | 1" | |
| QCH125 | 1 1/4" | |
| QCH150 | 1 1/2" | |

Quick Coupling BSP(M)



| CODE | BSP(M) | PRICE |
|--------|--------|-------|
| QCM050 | 1/2" | |
| QCM075 | 3/4" | |
| QCM100 | 1" | |
| QCM125 | 1 1/4" | |
| QCM150 | 1 1/2" | |

Quick Coupling Accessories



| CODE | ITEM | PRICE |
|------|--------------|-------|
| QCY | Y-Piece | |
| QCS | Blank Cap | |
| QCW | Rubber Seals | |

Quick Coupling BSP(Fm)



| CODE | BSP(Fm) | PRICE |
|--------|---------|-------|
| QCF038 | 3/8" | |
| QCF050 | 1/2" | |
| QCF075 | 3/4" | |
| QCF087 | 7/8" | |
| QCF100 | 1" | |
| QCF125 | 1 1/4" | |
| QCF150 | 1 1/2" | |

Bib Tap with Quick Connection



| CODE | BSP(M) | PRICE |
|----------|--------|-------|
| NK039312 | 1/2" | |

2 Way "Wide" Outlet Valve to BSP(M)



| CODE | BSP(Fm) | PRICE |
|----------|---------|-------|
| NK039210 | 3/4" | |

3 Way Outlet Valve to BSP(M)



| CODE | BSP(Fm) | PRICE |
|----------|---------|-------|
| NK039219 | 3/4" | |

Cap



| CODE | BSP(M) | PRICE |
|-----------|--------|-------|
| NK03M0218 | 1" | |

HOSE CONNECTORS



Tap Connector

| CODE | BSP(Fm) | PRICE |
|----------|---------|-------|
| NK031012 | 1/2" | |
| NK031119 | 3/4" | |
| NK031225 | 1" | |



Adaptor [BSP(M)]

| CODE | BSP(Fm) | PRICE |
|----------|---------|-------|
| NK032012 | 1/2" | |
| NK032119 | 3/4" | |



Connector [BSP(M)]

| CODE | BSP(Fm) | PRICE |
|----------|---------|-------|
| NK033319 | 3/4" | |



Hose to Bayonet Connector

| CODE | HOSE | PRICE |
|----------|------|-------|
| NK033012 | 1/2" | |
| NK033119 | 3/4" | |



Hose to Hose Connector

| CODE | HOSE | PRICE |
|----------|------|-------|
| NK036012 | 1/2" | |
| NK036119 | 3/4" | |



Hose Connector with Shut-Off Valve

| CODE | HOSE | PRICE |
|----------|------|-------|
| NK033512 | 1/2" | |
| NK033619 | 3/4" | |



Hose Coupler

| CODE | HOSE | PRICE |
|----------|------|-------|
| NK034012 | ALL | |



Revolving Elbow

| CODE | BSP(Fm) | PRICE |
|----------|---------|-------|
| NK031319 | 3/4" | |



Hose Connector with Quick Coupler

| CODE | HOSE | PRICE |
|----------|------|-------|
| NK038612 | 1/2" | |
| NK038719 | 3/4" | |

HOSE CLIPS

Worm Drive Hose Clips

- Mild Steel Zinc Plated
- Flexible Hose Clip Driver for easy fitting



| CODE | SIZE | PRICE EACH | BAG QTY | PRICE/ BAG |
|---------|---------------------------|------------|---------|------------|
| J008012 | 9.5-12mm (3/8") | | 25 | |
| J010016 | 11-16mm (1/2") | | 25 | |
| J012020 | 13-20mm (5/8") | | 25 | |
| J016025 | 17-25mm (3/4") | | 25 | |
| J022030 | 22-30mm (1") | | 25 | |
| J030040 | 30-40mm (1 1/2") | | 25 | |
| J032050 | 35-50mm (2") | | 25 | |
| J040060 | 45-60mm (2 1/2") | | 25 | |
| J060080 | 60-80mm (3") | | 10 | |
| J090120 | 90-120mm | | 10 | |
| JF | Flexible Hose Clip Driver | | | |

Super Clips

- Low Carbon Steel Zinc Plated and passivated finish for protection
- Ideal for suction hose
- Also, layflat and high pressure applications
- Band edge rolled to prevent damage



| CODE | SIZE | FIT | BAND WIDTH | BAND THICK | PRICE |
|------------|-----------|-----------------|------------|------------|-------|
| SUPC017019 | 17-19mm | | 18mm | 0.6mm | |
| SUPC020022 | 20-22mm | | 18mm | 0.6mm | |
| SUPC023025 | 23-25mm | | 18mm | 0.6mm | |
| SUPC026028 | 26-28mm | | 18mm | 0.6mm | |
| SUPC029031 | 29-31mm | | 20mm | 0.8mm | |
| SUPC032035 | 32-35mm | | 20mm | 0.8mm | |
| SUPC036039 | 36-39mm | | 20mm | 0.8mm | |
| SUPC040043 | 40-43mm | | 22mm | 1.2mm | |
| SUPC048051 | 48-51mm | | 22mm | 1.2mm | |
| SUPC052055 | 52-55mm | 2" LAYFLAT | 22mm | 1.2mm | |
| SUPC056059 | 56-59mm | 2" SUCTION HOSE | 22mm | 1.2mm | |
| SUPC061063 | 61-63mm | | 22mm | 1.2mm | |
| SUPC064067 | 64-67mm | | 22mm | 1.2mm | |
| SUPC068073 | 68-73mm | | 24mm | 1.5mm | |
| SUPC074079 | 74-79mm | | 24mm | 1.5mm | |
| SUPC080085 | 80-85mm | 3" LAYFLAT | 24mm | 1.5mm | |
| SUPC086091 | 86-91mm | 3" SUCTION HOSE | 24mm | 1.5mm | |
| SUPC092097 | 92-97mm | | 24mm | 1.5mm | |
| SUPC098103 | 98-103mm | | 24mm | 1.5mm | |
| SUPC104112 | 104-112mm | 4" | 24mm | 1.5mm | |
| SUPC113121 | 113-121mm | | 24mm | 1.5mm | |
| SUPC122130 | 122-130mm | | 24mm | 1.5mm | |
| SUPC131139 | 131-139mm | | 26mm | 1.6mm | |
| SUPC149161 | 149-161mm | 6" LAYFLAT | 26mm | 1.6mm | |
| SUPC162174 | 162-174mm | 6" SUCTION HOSE | 26mm | 1.6mm | |
| SUPC175187 | 175-187mm | | 26mm | 1.6mm | |

ARAD WATER METERS

Plastic Cold Water Meter

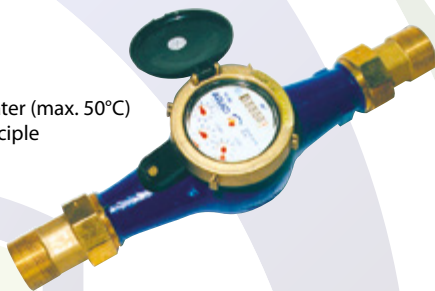
- Maximum pressure 10 bar
- Suitable for use with warm water (max. 50°C)



| CODE | BSP(M) | MAX. FLOW | NOMINAL FLOW | PRICE |
|--------|--------|-----------|--------------|-------|
| WMK050 | ½" | 2m³/hr | 1.6m³/hr | |

Multi-Jet Magnetic Water Meter Model M

- Maximum pressure 16 bar
- Suitable for use with warm water (max. 50°C)
- Magnetic drive - Multi jet principle



| CODE | BSP(M) | MAX. FLOW | NOMINAL FLOW | PRICE |
|--------|--------|-----------|--------------|-------|
| WMK075 | ¾" | 5m³/hr | 2.5m³/hr | |
| WMK100 | 1" | 7m³/hr | 3.5m³/hr | |
| WMK125 | 1¼" | 12m³/hr | 6m³/hr | |
| WMK150 | 1½" | 20m³/hr | 10m³/hr | |
| WMK200 | 2" | 30m³/hr | 15m³/hr | |

Water Meter with Electrical Output Model M-ECM

Arad Water Meters equipped with electrical output device combine with high reliability of the hermetically sealed, magnetically driven register with a wide variety of electrical output options.

Reed Switch - Volume Output

Application Examples

- Remote Reading
- Flowrate Measuring
- Flowrate Control
- Bi-directional Flow Measurement



| CODE | BSP(M) | PULSE | PRICE |
|-----------|--------|-------------------------|-------|
| WMP001075 | ¾" | 1 pulse every litre | |
| WMP001100 | 1" | 1 pulse every litre | |
| WMP001125 | 1¼" | 1 pulse every litre | |
| WMP010150 | 1½" | 1 pulse every 10 litres | |
| WMP010200 | 2" | 1 pulse every 10 litres | |

Irrigation & Agriculture Water Meter

Model IRT

Special design with free water passage allows measurement of water with high contents of impurities.

- Maximum pressure 16 bar
- Can be installed in any position (horizontal, vertical or inclined)
- Max. liquid temperature 60°C
- Negligible head loss
- Simple maintenance
- Hermetically sealed register with glass lens
- Field replaceable measuring unit
- Bearings are constantly flushed during operation to eliminate deposit of solids
- Polyester coated cast iron body
- Optional electrical output: EV (Volume) or EF (Flow Rate)



Flanged PN16

| CODE | SIZE | FLOW RATE | PRICE |
|---------|------------|-----------------------------|-------|
| WMI300F | 3"-(DN80) | Max: 150m³/hr Nom: 90m³/hr | |
| WMI400F | 4"-(DN100) | Max: 250m³/hr Nom: 125m³/hr | |
| WMI600F | 6"-(DN150) | Max: 500m³/hr Nom: 250m³/hr | |

Irrigation & Agriculture Water Meter Model WMR

The ample space around the core of the in-line helical axial turbine allows foreign matter to pass through the meter without clogging. Main application is for main supply lines, agriculture and industry.

- Maximum pressure 16 bar
- Can be installed in any position (for non-horizontal position the flow shall be upwards)
- Max. liquid temperature 55°C
- Minimum head loss
- High accuracy
- Hermetically sealed register with glass lens
- Not sensitive to dirt
- Polyester coated iron body
- Optional electrical output: EV (Volume) or EF (Flow Rate)

2" (50mm)



| CODE | SIZE | FLOW RATE | PRICE |
|---------|------|---------------------------|-------|
| WMR200 | 2" | Max: 40m³/hr Nom: 20m³/hr | |
| WMR200E | 2" | Electrical Output Version | |

Calibration Certificates available on request

WATER STORAGE TANKS

Water Storage Tank Kits - Quality construction - easy onsite installation

Constructed from cold rolled galvanised steel sections (to BS2989) the tank kit comes complete with a tailor made liner in a choice of 0.75mm or 1.0mm EPDM or Butyl. They provide economical, permanent water storage solutions with capacities ranging from 1,600 litres to over 865,000 litres. The Tank Kits comprise the required steel sections and fittings including anchor brackets, wire tensioner, capping and clips.

EPDM 0.75mm and 1.0mm Water Tank Liners

EPDM has an exceptional resistance to UV and ozone ageing. With all the benefits of Butyl and better physical strength, EPDM is the choice for horticultural and sports ground irrigation. We recommend the use of 1.0mm EPDM for 4 ring high (3.05m or 10') water storage tanks.

Butyl 0.75mm and 1.0mm Water Tank Liners

Butyl is our most expensive rubber for tank lining and for most applications is now superseded by our EPDM liner. Suitable for projects where budget restrictions do not apply.

Please state outlet hole size (2"-16" flanged) when ordering.



Can be painted any RAL colour - call for prices

| DIMENSIONS Ø x HEIGHT | CAPACITY Gallons | CAPACITY Litres | CODE | STEEL AND FITTINGS | CODE | 0.75mm EPDM LINER | CODE | 1.00mm EPDM LINER |
|--------------------------|---------------------|--------------------|-------|-----------------------|--------|----------------------|--------|----------------------|
| 9' x 2'6" | 990 | 4,555 | WT091 | | WT0913 | | WT0914 | |
| 9' x 5' | 1,980 | 9,100 | WT092 | | WT0923 | | WT0924 | |
| 9' x 7'6" | 3,000 | 13,500 | WT093 | | WT0933 | | WT0934 | |
| 9' x 10' | 4,000 | 18,000 | WT094 | | | | WT0944 | |
| 12' x 2'6" | 1,760 | 8,000 | WT121 | | WT1213 | | WT1214 | |
| 12' x 5' | 3,530 | 16,000 | WT122 | | WT1223 | | WT1224 | |
| 12' x 7'6" | 5,280 | 24,000 | WT123 | | WT1233 | | WT1234 | |
| 12' x 10' | 7,000 | 32,000 | WT124 | | | | WT1244 | |
| 15' x 2'6" | 2,750 | 12,500 | WT151 | | WT1513 | | WT1514 | |
| 15' x 5' | 5,500 | 25,000 | WT152 | | WT1523 | | WT1524 | |
| 15' x 7'6" | 8,250 | 37,500 | WT153 | | WT1533 | | WT1534 | |
| 15' x 10' | 11,000 | 50,000 | WT154 | | | | WT1544 | |
| 18' x 2'6" | 4,000 | 18,000 | WT181 | | WT1813 | | WT1814 | |
| 18' x 5' | 8,000 | 36,000 | WT182 | | WT1823 | | WT1824 | |
| 18' x 7'6" | 11,800 | 54,000 | WT183 | | WT1833 | | WT1834 | |
| 18' x 10' | 15,800 | 72,000 | WT184 | | | | WT1844 | |
| 21' x 2'6" | 5,400 | 24,500 | WT211 | | WT2113 | | WT2114 | |
| 21' x 5' | 10,700 | 49,000 | WT212 | | WT2123 | | WT2124 | |
| 21' x 7'6" | 16,180 | 73,500 | WT213 | | WT2133 | | WT2134 | |
| 21' x 10' | 21,500 | 98,000 | WT214 | | | | WT2144 | |
| 24' x 2'6" | 7,000 | 32,000 | WT241 | | WT2413 | | WT2414 | |
| 24' x 5' | 14,000 | 64,000 | WT242 | | WT2423 | | WT2424 | |
| 24' x 7'6" | 21,000 | 96,000 | WT243 | | WT2433 | | WT2434 | |
| 24' x 10' | 28,180 | 128,000 | WT244 | | | | WT2444 | |
| 30' x 2'6" | 11,000 | 50,000 | WT301 | | WT3013 | | WT3014 | |
| 30' x 5' | 22,000 | 100,000 | WT302 | | WT3023 | | WT3024 | |
| 30' x 7'6" | 33,000 | 150,000 | WT303 | | WT3033 | | WT3034 | |
| 30' x 10' | 44,000 | 200,000 | WT304 | | | | WT3044 | |
| 36' x 2'6" | 15,800 | 72,000 | WT361 | | WT3613 | | WT3614 | |
| 36' x 5' | 31,600 | 144,000 | WT362 | | WT3623 | | WT3624 | |
| 36' x 7'6" | 47,560 | 216,000 | WT363 | | WT3633 | | WT3634 | |
| 36' x 10' | 63,400 | 288,000 | WT364 | | | | WT3644 | |
| 48' x 2'6" | 28,180 | 128,000 | WT481 | | WT4813 | | WT4814 | |
| 48' x 5' | 56,300 | 256,000 | WT482 | | WT4823 | | WT4824 | |
| 48' x 7'6" | 84,400 | 384,000 | WT483 | | WT4833 | | WT4834 | |
| 48' x 10' | 112,600 | 512,000 | WT484 | | | | WT4844 | |

Many more tank sizes available on request

TANK COVERS

If you are surrounded by trees or a tall hedge then a tank cover is a necessary investment to prevent blockages due to wind-blown leaves etc.

Tank covers also help to eliminate the build up of algae in your irrigation water.

PVC COVER

PVC cover c/w central support is designed to cover and overlap the top edge of the tank. The ball valve flap allows access for the supply as well as access for sampling the water.



GALVANISED STEEL COVER

0.7mm Galvanised Sheets c/w 2 access hatches & ball valve cover. The cover prevents the growth of algae, stops evaporation and acts as a barrier to rainwater and wind borne debris.



ANTI-ALGAE COVER

Woven polypropylene c/w central support (18'+). Provides UV protection preventing algae growth and prevents wind-borne debris entering the water, whilst allowing rain water to permeate through.



| TANK DIAMETER | CODE | GALV. STEEL COVER | CODE | ANTI-ALGAE COVER | CODE | PVC COVER |
|---------------|--------|-------------------|--------|------------------|--------|-----------|
| 9' | WTCS09 | | WTCA09 | | WTPC09 | |
| 12' | WTCS12 | | WTCA12 | | WTPC12 | |
| 15' | WTCS15 | | WTCA15 | | WTPC15 | |
| 18' | WTCS18 | | WTCA18 | | WTPC18 | |
| 21' | WTCS21 | | WTCA21 | | WTPC21 | |
| 24' | WTCS24 | | WTCA24 | | WTPC24 | |
| 30' | WTCS30 | | WTCA30 | | | |
| 36' | WTCS36 | | WTCA36 | | | |
| 48' | WTCS48 | | WTCA48 | | | |

Ball Float Valves

- Male BSP threads
- Adjustable lever



| CODE | DESCRIPTION | PRICE |
|-------|--|-------|
| BC050 | Part 1 HP Float Valve 1/2" (Nylon Piston & Cone, Plastic Nuts) | |
| BC075 | Part 1 HP Float Valve 3/4" | |
| BC100 | Part 1 HP Float Valve Bronze 1" | |
| BC125 | Part 1 HP Float Valve Bronze 1 1/4" | |
| BC150 | Part 1 HP Float Valve Bronze 1 1/2" | |
| BC200 | Part 1 HP Float Valve Bronze 2" | |

Plastic Float

- Brass inserts



| CODE | DESCRIPTION | PRICE |
|--------|----------------------|-------|
| BCFP04 | 4 1/2" Plastic Float | |
| BCFP06 | 6" Plastic Float | |
| BCFP08 | 8" Plastic Float | |
| BCFP10 | 10" Plastic Float | |
| BCFP12 | 12" Plastic Float | |

Hansen Tank Outlet

Steel Tank Take-off

- Galvanised Steel
- Male BSP threads
- 3 metal plates
- 2 rubber gaskets

See page 164 for Gate Valves.



| CODE | BSP | PRICE |
|------------|-----|-------|
| HANSFTF200 | 2" | |
| HANSFTF300 | 3" | |
| HANSFTF400 | 4" | |

| CODE | BSP(M) | PRICE |
|-------|------------|-------|
| WTT02 | 2" (50mm) | |
| WTT03 | 3" (75mm) | |
| WTT04 | 4" (100mm) | |

Ball Valve Bracket

For mounting Ball Float Valve (above) on edge of water storage tank.



| CODE | SIZE | PRICE |
|----------|---------------------|-------|
| EVTB08BV | Fit 1/2" - 1" | |
| EVTB10BV | Fit 1 1/4" - 1 1/2" | |

RESERVOIR LINERS



Removal of clay to create depth and reservoir banking.



Profiling of the reservoir, angles checked with satellite measuring.



Final measurement and grading taking place.



Overflow pipework installed providing maximum water retention.



Protective sheeting laid over reservoir structure and liner pulled out.



Liner positioned over protective sheeting and pulled up over all four sides.



Reservoir liner dug in, bank protection sheet installed for sunlight protection.



Finished reservoir with overflow and bank protection installed, aeration and pump transfer raft installed providing clear and uncontaminated water storage.

RAINWATER TANKS

Enduromaxx® Rainwater Tanks

Enduromaxx tanks are rotationally moulded as a 'one piece' tank.

- Manufactured from UV stabilised polyethylene, Enduromaxx tanks are tough and durable
- Ribbed design provides added strength and attractive appearance
- Enduromaxx tanks do not rust or corrode, are impact resistant and long lasting
- Guaranteed one-piece tank construction ensures long term structural strength
- Larger bulkheads available on request



| CODE | CAPACITY | DIA. x HEIGHT (MM) | OUTLET | PRICE |
|-----------|----------|--------------------|--------|-------|
| WTMX00500 | 500 L | 700 x 1500 | 1½" | |
| WTMX00720 | 720 L | 700 x 2150 | 1½" | |
| WTMX01250 | 1250 L | 1200 x 1200 | 1½" | |
| WTMX02000 | 2000 L | 1200 x 1960 | 1½" | |
| WTMX02500 | 2500 L | 1400 x 1800 | 1½" | |
| WTMX04000 | 4000 L | 1900 x 1875 | 2" | |
| WTMX05000 | 5000 L | 1900 x 2300 | 2" | |
| WTMX06000 | 6000 L | 1900 x 2500 | 2" | |
| WTMX07000 | 7000 L | 2450 x 1820 | 2" | |
| WTMX10000 | 10000 L | 2400 x 2500 | 2" | |
| WTMX12500 | 12500 L | 2600 x 2600 | 2" | |

RAINWATER KITS

Connects to almost any downpipe in minutes! The following kits are supplied with Rainwater Filter Collector, comprising of a 1 metre flexible connection hose and Integrated Rainwater Collector / Filter / Overflow System. A 230v external pump, an access point on top and a filter basket inside. The system can be quickly and easily attached to square drainpipes with a cross section between 65mm and 100mm, and round downpipes with a cross section between 68mm and 100mm. Also fitted as standard is a dispensing tap.

| CODE | KIT | SUITABLE FOR | PRICE |
|------------|-----|--|-------|
| WTMX254010 | A | 200m2 roof area and tanks up to 10,000 L | |
| WTMX254020 | B | 450m2 roof area and tanks up to 20,000 L | |
| WTMX254030 | C | 800m2 roof area and tanks up to 20,000 L | |

ENDURAMAXX WATER TANKS

Larger sizes available up to 25000 L

Additional outlets available as optional extra

WRAS Approved Potable Water Tanks available with Byelaw 30 Kit - specify when ordering

FERTIGATION

Dosatron D3GL-2 Green Line

Designed specifically for adding fertiliser

Operating pressure: 0.5 - 6.0 bar

Flow rate: 0.16 - 50 lpm (max. 3.06 m³/hr)

Inlet/Outlet: ¾" BSP(M)



0.2% - 2.0% (1:500 - 1:50)

3
m³/h

| CODE | SIZE | PRICE |
|----------|------------------------|-------|
| DOSD3GL2 | Dosatron D3 Green Line | |

Dosatron D45-1.5

Also available with PVDF body and external injection

Operating pressure: 0.5 - 5.0 bar

Flow rate: 0.16 - 75 lpm (max. 4.58 m³/hr)

Inlet/Outlet: 1¼" BSP(M)



0.2% - 1.5% (1:500 - 1:67)

4.5
m³/h

| CODE | SIZE | PRICE |
|----------|------------------|-------|
| DOSD4515 | Dosatron D45-1.5 | |

Dosatron D9GL-2

Operating pressure: 0.15 - 8.0 bar

Flow rate: 8 - 150 lpm (max. 9 m³/hr)

Inlet/Outlet: 1½" BSP(M)



0.2% - 2.0% (1:500 - 1:50)

1.0% - 5.0% (1:100 - 1:20)

| CODE | SIZE | PRICE |
|----------|----------------------------|-------|
| DOSD9GL2 | Dosatron D9GL-2 [0.2-2.0%] | |
| DOSD8RE5 | Dosatron D8RE-5 [1.0-5.0%] | |

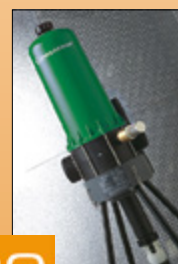
| CODE | SIZE | PRICE |
|---------|---|-------|
| DOSD16M | Dosatron Compact Trolley for all models above | |

Dosatron D20GL

Operating pressure: 0.12 - 10.0 bar

Flow rate: 16 - 333 lpm (max. 20 m³/hr)

Inlet/Outlet: 63mm PVC



0.2% - 2.0% (1:500 - 1:50)

20
m³/h

| CODE | SIZE | PRICE |
|----------|----------------|-------|
| DOSD20GL | Dosatron D20GL | |

Dosatron D30GL1

Operating pressure: 1.0 - 8.0 bar

Flow rate: 133 - 500 lpm (max. 30 m³/hr)

Inlet/Outlet: 3" BSP(M) - 2 flanges DN80 ISO



0.1% - 1.0% (1000:1 - 100:1)

30
m³/h

| CODE | SIZE | PRICE |
|-----------|-----------------|-------|
| DOSD30GL1 | Dosatron D30GL1 | |

SUBMERSIBLE PUMPS

DRENOX - Stainless Steel Outer Case

Clean & black water only. Mostly for drainage and circulation duty.

Drenox range are centrifugal drainage pumps. All stainless steel. Supplied with 10m of power cable and hose tail. Twin NBR lip seal. For uses in drainage, clean, black water and circulation duties. Maximum submersion depth of 7 metres.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|-------------------|--------|--------|-----------|-----------|------|-------|-------|
| PUR555001 | 80-6 MAN 110V | 5.7 Kg | 1¼" | 4.8 m³/h | 6 m | 0.20 | No | |
| PUR555003 | 80-6 MAN 230V | 5.7 Kg | 1¼" | 4.8 m³/h | 6 m | 0.20 | No | |
| PUR555006 | 80-6 AUTO 110V | 5.8 Kg | 1¼" | 4.8 m³/h | 6 m | 0.20 | Yes | |
| PUR555009 | 80-6 AUTO 230V | 5.8 Kg | 1¼" | 4.8 m³/h | 6 m | 0.20 | Yes | |
| PUR555012 | 160-8 MAN 230V | 6.5 Kg | 1¼" | 9.7 m³/h | 7.5 m | 0.40 | No | |
| PUR555015 | 160-8 AUTO 230V | 6.5 Kg | 1¼" | 9.7 m³/h | 7.5 m | 0.40 | Yes | |
| PUR555017 | 250-10 MAN 230V | 7.0 Kg | 1¼" | 15.2 m³/h | 9.5 m | 0.55 | No | |
| PUR555022 | 250-10 AUTO 230V | 7.0 Kg | 1¼" | 15.2 m³/h | 9.5 m | 0.55 | Yes | |
| PUR555025 | 350-12 MAN 230V | 8.5 Kg | 1¼" | 21.3 m³/h | 11 m | 0.80 | No | |
| PUR555028 | 350-12 AUTO 230V | 8.5 Kg | 1¼" | 21.3 m³/h | 11 m | 0.80 | Yes | |
| PUR555029 | 350-12 T MAN 415V | 8.5 Kg | 1¼" | 21.3 m³/h | 11 m | 0.80 | No | |

OMNIA - Stainless Steel Outer Case

Black water and solids up to 20mm. Ideal for cesspits, ponds, light sewage etc.

Omnia range are Vortex pumps. All stainless steel. Supplied with 10m of power cable and hose tail. Twin NBR lip seal. For uses in drainage, black water, cesspits, pond circulation and where soft solids in water are no bigger than 20mm. Maximum submersion depth of 7 metres.




| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|-----------------|--------|--------|-----------|-----------|------|-------|-------|
| PUR555031 | 80-5 MAN 230V | 6.1 Kg | 1¼" | 4.8 m³/h | 5 m | 0.20 | No | |
| PUR555041 | 80-5 MAN 110V | 6.1 Kg | 1¼" | 4.8 m³/h | 5 m | 0.20 | No | |
| PUR555033 | 80-5 AUTO 230V | 6.1 Kg | 1¼" | 4.8 m³/h | 5 m | 0.20 | Yes | |
| PUR555035 | 80-5 AUTO 110V | 6.1 Kg | 1¼" | 4.8 m³/h | 5 m | 0.20 | Yes | |
| PUR555037 | 160-7 MAN 230V | 7.0 Kg | 1¼" | 9.7 m³/h | 6.5 m | 0.37 | No | |
| PUR555039 | 160-7 AUTO 230V | 7.0 Kg | 1¼" | 9.7 m³/h | 6.5 m | 0.37 | Yes | |
| PUR555043 | 200-8 MAN 230V | 8.5 Kg | 1¼" | 12.2 m³/h | 8 m | 0.50 | No | |
| PUR555050 | 200-8 MAN 110V | 8.5 Kg | 1¼" | 12.2 m³/h | 8 m | 0.50 | No | |
| PUR555045 | 200-8 AUTO 230V | 8.5 Kg | 1¼" | 12.2 m³/h | 8 m | 0.50 | Yes | |
| PUR555048 | 200-8 AUTO 110V | 8.5 Kg | 1¼" | 12.2 m³/h | 8 m | 0.50 | Yes | |

BIOX/PRIOX 2" - Stainless Steel Outer Case

Sewage and waste water - up to 40mm diameter free passage through pump body.

Biox & PrioX ranges are all stainless steel pumps used for pumping waste water containing soft solids up to 40mm. Supplied with 10m of power cable. Silicon seal followed by NBR lip seal. No hose tail is supplied. Maximum submersion depth of 7 metres.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|------------------|---------|--------|-----------|-----------|------|-------|-------|
| PUR555061 | 250/9 AUTO 230V | 9.8 Kg | 1½" | 15.2 m³/h | 9 m | 0.60 | Yes | |
| PUR555054 | 300/10 AUTO 230V | 10.0 Kg | 2" | 18.3 m³/h | 10 m | 1.30 | Yes | |
| PUR555057 | 400/12 AUTO 230V | 11.0 Kg | 2" | 24.4 m³/h | 12 m | 1.60 | Yes | |
| PUR555065 | 420/11 MAN 230V | 11.2 Kg | 2" | 25.6 m³/h | 11 m | 0.90 | No | |
| PUR555064 | 420/11 AUTO 230V | 11.2 Kg | 2" | 25.6 m³/h | 11 m | 0.90 | Yes | |
| PUR555063 | 420/11 MAN 400V | 11.2 Kg | 2" | 25.6 m³/h | 11 m | 0.90 | No | |
| PUR555062 | 460/13 MAN 230V | 11.7 Kg | 2" | 28.1 m³/h | 13 m | 1.10 | No | |
| PUR555066 | 460/13 AUTO 230V | 11.7 Kg | 2" | 28.1 m³/h | 13 m | 1.10 | Yes | |
| PUR555067 | 460/13 MAN 400V | 11.7 Kg | 2" | 28.1 m³/h | 13 m | 1.10 | No | |
| PUR555068 | 600/13 MAN 400V | 12.6 Kg | 2" | 36.6 m³/h | 12.6 m | 1.20 | No | |
| PUR555069 | 800/18 MAN 400V | 20.2 Kg | 2" | 48.8 m³/h | 18 m | 2.40 | No | |

VIP, VORT & COMPAC - Light Duty Only

VIP - series designed for applications in clean water. Emptying of cellars, rain water collection tanks and decorative garden fountains are examples.

VIPVORT - series are designed for applications in dirty water with suspended soft solids up to 20mm - polypropylene.

COMPAC - designed for use in clean water to drain domestic applications. Ideal for limited spaces. Complete with integral float switch, which can be selected in auto or manual mode. In auto mode the pump switches on when the water level reaches 140mm and switches off at 30mm. In manual mode the water can pumped down to approx 3mm.

KÄRCHER SDP7000 - Entry level water pump designed to remove dirty water with particles up to a max size 20mm.

| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|----------------------|--------|--------|-----------|-----------|------|----------|-------|
| PUR020070 | VIP 130/6 M 230V | 4.1 Kg | 1¼" | 7.9 m³/h | 6 m | 0.32 | No | |
| PUR020072 | VIP 130/6 A 230V | 4.1 Kg | 1¼" | 7.9 m³/h | 6 m | 0.32 | Yes | |
| PUR020076 | VIP 180/7 A 230V | 4.5 Kg | 1¼" | 11.0 m³/h | 7 m | 0.37 | Yes | |
| PUR020086 | VIPVORT 180/6 A 230V | 4.5 Kg | 1¼" | 11.0 m³/h | 6 m | 0.48 | Yes | |
| PUR020090 | COMPAC 150 230V | 4.7 Kg | 1¼" | 8.1 m³/h | 7 m | 0.30 | Integral | |
| PUR020092 | COMPAC 150 110V | 4.7 Kg | 1¼" | 8.1 m³/h | 7 m | 0.30 | Integral | |
| PUR020094 | COMPAC 200 230V | 5.6 Kg | 1¼" | 11.3 m³/h | 10 m | 0.65 | Integral | |
| KARSP3 | KARCHER SP 3 DIRT | 4.2 Kg | 1¼" | 7.1 m³/h | 6 m | 0.35 | Yes | |

JS-SV - Soft Solids Handling Vortex Pumps

A very popular and robust pump for dirty liquids.

JS-150 SV - 25mm soft solids handling. Plastic motor lid, lower motor/bearing housing and impellor. Stainless steel shaft and outer motor casing. Cast iron seal chamber cover. Single silicon mechanical seal.

JS-250 SV - 36mm soft solids handling. Cast iron motor lid, lower motor/bearing/seal housing, impeller and pump chamber. Stainless steel shaft and outer motor casing. Twin mechanical seals in a lubricated chamber.

All models complete with 10m power cable. Add a MAC3 or AGMA Magnetic Float Switch for £40.00 + VAT.

| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|------------------|--------|--------|-----------|-----------|------|-------|-------|
| PUR011150 | JS-150 SV M 230V | 5.5 Kg | 1¼" | 7.2 m³/h | 6.5 m | 0.15 | No | |
| PUR011152 | JS-150 SV M 110V | 5.5 Kg | 1¼" | 7.2 m³/h | 6.5 m | 0.15 | No | |
| PUR011250 | JS-250 SV M 230V | 15 Kg | 1¼" | 10.9 m³/h | 6.5 m | 0.25 | No | |
| PUR011252 | JS-250 SV M 110V | 15 Kg | 1¼" | 10.9 m³/h | 6.5 m | 0.25 | No | |

RS - Stainless Steel Outer Case

Top outlet, twin mechanical seals, carbon ceramic and silicone carbide in a lubricated chamber. Stainless steel outer case, shaft and motor case. Cast iron lower motor bearing/seal housing, motor top cover and volute. Complete with 10m power cable and hose tail. Suitable for water features, draining applications, clean and dirty water.

Add a MAC3 or AGMA Magnetic Float Switch for £40.00 + VAT.

| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|---------------|---------|--------|-----------|-----------|------|-------|-------|
| PUR010150 | RS-150 M 230V | 13.0 Kg | 1¼" | 7.2 m³/h | 7.5 m | 0.15 | No | |
| PUR010250 | RS-250 M 230V | 13.0 Kg | 1½" | 10.9 m³/h | 9 m | 0.25 | No | |
| PUR010400 | RS-400 M 230V | 13.2 Kg | 2" | 14.5 m³/h | 11.5 m | 0.40 | No | |
| PUR010550 | RS-550 M 230V | 19.4 Kg | 2" | 19.5 m³/h | 11 m | 0.55 | No | |
| PUR010552 | RS-550 M 110V | 19.4 Kg | 2" | 19.5 m³/h | 11 m | 0.55 | No | |
| PUR010750 | RS-750 M 230V | 19.6 Kg | 2" | 25.4 m³/h | 15 m | 0.75 | No | |
| PUR010752 | RS-750 M 110V | 19.6 Kg | 2" | 25.4 m³/h | 15 m | 0.75 | No | |

RSD - Residue Drainage Pump (*puddle sucker - down to 1mm*)

Top outlet with step down hose tail 25mm, 19mm and 15mm. The main feature of this pump is the ability to drain down to approx 1mm whilst remaining flood water can be swept into the pump for removal.

Stainless steel outer casing, motor pack and shaft. Cast iron motor lid, pump casing and volute. Equipped with non return valve on the suction of the pump to stop any return of water. Bottom plate made with cushioned rubber to prevent damage to bottom of tanks. Supplied with 10m power cable.

| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|----------------|---------|--------|-----------|-----------|------|-------|-------|
| PUR012400 | RSD-400 M 230V | 14.0 Kg | 1¼" | 14.5m³/h | 11.5 m | 0.40 | No | |
| PUR012402 | RSD-400 M 110V | 14.0 Kg | 1¼" | 14.5m³/h | 11.5 m | 0.40 | No | |



SEWAGE & WASTE WATER PUMPS

JS & JS High Head Heavy Duty Contractor Pumps - Single Phase

Suitable for drainage applications in clean and dirty water. Twin mechanical seals, one carbon and one silicon in a lubricated chamber. Stainless steel shaft and motor case. Cast iron motor top cover, lower motor bearing/seal housing, pump case, impeller and volute. Comes complete with 10m of power cable and hose tail.

Add a MAC3 or AGMA Magnetic Float Switch for £40.00 + VAT.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|------------|-----------------|---------|--------|-----------|-----------|------|-------|-------|
| PUR011400 | JS-400 M 230V | 15.0 Kg | 2" | 15.2 m³/h | 11 m | 0.40 | No | |
| PUR011402 | JS-400 M 110 V | 15.0 Kg | 2" | 15.2 m³/h | 11 m | 0.40 | No | |
| PUR0117502 | JS-750 M 230V | 27.0 Kg | 2" | 24.1 m³/h | 15 m | 0.75 | No | |
| PUR0117522 | JS-750 M 110V | 27.0 Kg | 2" | 24.1 m³/h | 15 m | 0.75 | No | |
| PUR0117503 | JS-750 M 230V | 27.0 Kg | 3" | 24.1 m³/h | 15 m | 0.75 | No | |
| PUR0117523 | JS-750 M 110V | 27.0 Kg | 3" | 24.1 m³/h | 15 m | 0.75 | No | |
| PUR011760 | JS-1500 M 230V | 32.0 Kg | 3" | 43.6 m³/h | 19 m | 1.50 | No | |
| PUR011764 | JS-1500H M 230V | 32.0 Kg | 2" | 30.0 m³/h | 23 m | 1.50 | No | |

JS-SK - Single Channel Cutter Impeller

Submersible sewage cutter impeller pumps. Available as free standing or can be guide rail mounted. Single channel tungsten carbide tipped impeller capable of cutting soft solids into smaller parts to pump through the body to waste. Cast iron pump body, volute stand, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Supplied with hose tails and 10m of power cable.

Add a MAC3 or AGMA Magnetic Float Switch for £40.00 + VAT.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|------------------|---------|--------|-----------|-----------|------|-------|-------|
| PUR012757 | JS-750SK M 230V | 29.4 Kg | 2" | 24.1 m³/h | 15 m | 0.75 | No | |
| PUR012758 | JS-750SK M 110V | 29.4 Kg | 2" | 24.1 m³/h | 15 m | 0.75 | No | |
| PUR011776 | JS-1500SK M 230V | 36.4 Kg | 3" | 48.6 m³/h | 18 m | 1.50 | No | |

JS Drainer - All 316 Stainless Steel Pump

These are precision cast 316 all stainless steel pumps. Comes complete with 10m of power cable and hose tail.

Add a MAC3 or AGMA Magnetic Float Switch for £40.00 + VAT.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|--------------------|---------|--------|-----------|-----------|------|-------|-------|
| PUR011300 | JS-250 M 230V | 12.0 Kg | 1½" | 12.2 m³/h | 9 m | 0.25 | No | |
| PUR011308 | JS-400 M 230V | 15.0 Kg | 2" | 14.6 m³/h | 11 m | 0.40 | No | |
| PUR011316 | JS-400 M 230V 60Hz | 15.0 Kg | 2" | 14.6 m³/h | 11 m | 0.40 | No | |

WELL & BOREHOLE PUMP

DIVERTRON - Multistage Pump

Divertron suitable to pump clean water with no suspended solids or abrasive materials. Manufactured with anti-corrosive and rust proof materials. Supplied with 15 metre cable, non return valve and step adaptor hose fitting. Divertron 1200 also features built-in electronics, pressure switch and flow sensor designed to automatically start and stop the pump. Also with dry run protection.

- High pressure
- High flow
- Rain water systems
- Sprinklers
- Tanks



| CODE | TYPE | KG | (HxWxL) mm | LM/HM | ELECTRIC | PRICE |
|-----------|-----------|------|-------------|-------|---------------|-------|
| PUR022835 | DIVERTRON | 11.0 | 480x150x150 | 95/48 | 230v (1.10kW) | |

SEWAGE & WASTE WATER PUMPS - 3ph

JST & JST High Head - Three Phase

Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel shaft and motor case. Cast iron motor top cover, lower motor/seal housing, pump case, impeller and volute. Complete with 10m of power cable. Hose tails supplied with all models apart from the JST-37, 55 & 75. Hose tails are supplied with the high head versions. Suitable for drainage applications in clean and dirty water.

| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|------------|----------------|--------|--------|-----------|-----------|------|-------|-------|
| PUR011004 | JST-4 M 400V | 10 Kg | 2" | 230 lpm | 11.5 m | 0.40 | No | |
| PUR0110082 | JST-8 M 400V | 25 Kg | 2" | 350 lpm | 14.5 m | 0.80 | No | |
| PUR0110083 | JST-8 M 400V | 25 Kg | 3" | 350 lpm | 14.5 m | 0.80 | No | |
| PUR011015 | JST-15 M 400V | 27 Kg | 3" | 565 lpm | 18 m | 1.50 | No | |
| PUR011019 | JST-15H M 400V | 27 Kg | 2" | 435 lpm | 22 m | 1.50 | No | |
| PUR011022 | JST-22 M 400V | 39 Kg | 3" | 865 lpm | 20 m | 2.20 | No | |
| PUR011023 | JST-22H M 400V | 39 Kg | 2" | 745 lpm | 25 m | 2.20 | No | |
| PUR011037 | JST-37 M 400V | 45 Kg | 4" | 1375 lpm | 24 m | 3.70 | No | |
| PUR011039 | JST-37H M 400V | 45 Kg | 2" | 805 lpm | 32 m | 3.70 | No | |
| PUR011055 | JST-55 M 400V | 90 Kg | 4" | 1945 lpm | 27 m | 5.50 | No | |
| PUR011075 | JST-75 M 400V | 95 Kg | 6" | 1970 lpm | 33 m | 7.50 | No | |
| PUR011077 | JST-75H M 400V | 95 Kg | 4" | 1290 lpm | 44.5 m | 7.50 | No | |



JST-SV - Vortex Impeller Three Phase

Submersible sewage vortex impeller pumps allowing soft solids to be passed through the pump body to waste. Available as free standing as standard or can be guide rail mounted. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Stainless steel shaft and motor case. Cast iron motor top cover, lower motor/seal housing, pump case, impeller and volute.

| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | SOLIDS | PRICE |
|-----------|---------------------------|---------|--------|-----------|-----------|------|--------|-------|
| PUR012698 | JST-4SV M 400V | 15.4 Kg | 2" | 250 lpm | 8.5 m | 0.40 | 36mm | |
| PUR012768 | JST-8SV M 400V | 29.4 Kg | 3" | 450 lpm | 8 m | 0.75 | 36mm | |
| PUR012774 | JST-15SV M 400V | 36.6 Kg | 3" | 720 lpm | 12 m | 1.50 | 46mm | |
| PUR011026 | JST-22SV M 400V 2 Pole | 52.2 Kg | 3" | 1000 lpm | 18 m | 2.20 | 65mm | |
| PUR011025 | JST-22SV M 400V 4 Pole | 59.6 Kg | 3" | 1300 lpm | 8 m | 2.20 | 65mm | |
| PUR012788 | JST-55SV M 400V 4 Pole | 125 Kg | 4" | 2650 lpm | 14 m | 5.50 | 80mm | |
| PUR012792 | JST-75SV M 400V 4 Pole | 135 Kg | 4" | 3175 lpm | 15.5 m | 7.50 | 80mm | |



JST-SK - Three Phase Single Channel Cutter Impeller

Submersible sewage cutter impeller pumps. Available as free standing or can be guide rail mounted. Single channel tungsten carbide tipped impeller capable of cutting soft solids into smaller parts to pump through the body to waste. Cast iron pump body, volute stand, impeller, lower motor bearing/seal housing and motor top cover. Stainless steel shaft and motor casing. Twin mechanical seals, carbon ceramic and silicon carbide in a lubricated chamber. Supplied with hose tails (except models JST-37, 55 & 75) and 10m of power cable.

| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | FLOAT | PRICE |
|-----------|-----------------|---------|--------|------------|-----------|------|-------|-------|
| PUR012780 | JST-8SK M 415V | 27.8 Kg | 2" | 24.1 m³/h | 15 m | 0.75 | No | |
| PUR012782 | JST-15SK M 415V | 37.6 Kg | 3" | 48.8 m³/h | 17.5 m | 1.50 | No | |
| PUR012784 | JST-22SK M 415V | 49.8 Kg | 3" | 60.9 m³/h | 20 m | 2.20 | No | |
| PUR012786 | JST-37SK M 415V | 55.0 Kg | 4" | 73.2 m³/h | 25 m | 3.70 | No | |
| PUR012790 | JST-55SK M 415V | 76.0 Kg | 4" | 110.0 m³/h | 22 m | 5.50 | No | |



ENGINE PUMPS

Engine Pumps - Honda Petrol Powered with Oil Alert

Ideal for clean and black water applications, construction and agricultural duties. Heavy duty build with iron impellor and volute, carbon/ceramic mechanical seal in full crash frame.

NB, SEH-25L & SEH-25H do NOT have Oil Alert.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MH | ENGINE | SOLIDS | PRICE |
|-----------|----------|---------|--------|-----------|------|-------------------|--------|-------|
| PUR050016 | SEH-25L | 7.0 Kg | 1" | 115 lpm | 32 m | Honda GX25 2.0HP | 5 mm | |
| PUR050015 | SEH-25H | 15.0 Kg | 1" | 135 lpm | 43 m | Honda GXH50 2.0HP | 5 mm | |
| PUR050022 | SEH-50x | 24.0 Kg | 2" | 620 lpm | 30 m | Honda GX120 4.0HP | 5 mm | |
| PUR050032 | SEH-80x | 32.0 Kg | 3" | 900 lpm | 26 m | Honda GX160 5.5HP | 7 mm | |
| PUR050038 | SEH-100x | 55.0 Kg | 4" | 1,450 lpm | 28 m | Honda GX240 8.0HP | 9 mm | |

Trash Engine Pumps - Honda Petrol Powered with Oil Alert

Semi-Trash pumps with FCD (Spheroidal Iron Impellor) and volutes and also a SIC Mechanical Seal for aggressive applications. Solids handling ability 8mm.

Trash duty pumps for sewage and muck. Large easy-off front cover for cleaning, SIC Mechanical Seals and Chrome Impellor and Spheroidal Graphite Iron Impellor. Solids handling up to 2" - 20mm; 3" - 27mm; 4" - 30mm.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MH | ENGINE | SOLIDS | PRICE |
|-----------|----------|---------|--------|-----------|------|--------------------|--------|-------|
| PUR050028 | STH-50X | 25.0 Kg | 2" | 600 lpm | 29 m | Honda GX120 4.0HP | 8 mm | |
| PUR050048 | STH-80X | 35.0 Kg | 3" | 900 lpm | 26 m | Honda GX160 5.5HP | 9 mm | |
| PUR050074 | KTH-50X | 51.0 Kg | 2" | 700 lpm | 30 m | Honda GX160 5.5HP | 20 mm | |
| PUR050076 | KTH-80S | 67.0 Kg | 3" | 1,450 lpm | 27 m | Honda GX240 8.0HP | 27 mm | |
| PUR050078 | KTH-100S | 83.0 Kg | 4" | 2,050 lpm | 30 m | Honda GX340 11.0HP | 30 mm | |

Honda Engine Petrol Powered with Oil Alert High Pressure Pumps

Honda powered high pressure pumps, compact in design with excellent flow and high pressure they are suitable for irrigation transfer and dust suppression. They come in a sturdy crash frame and wheel kit to make them more portable to move around.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MH | ENGINE | SOLIDS | PRICE |
|-----------|----------|---------|--------|-----------|------|-------------------|--------|-------|
| PUR050042 | SERH-50B | 35.0 Kg | 2" | 440 lpm | 57 m | Honda GX160 5.5HP | 1 mm | |
| PUR050045 | SERH-50V | 39.0 Kg | 2" | 430 lpm | 80 m | Honda GX160 5.5HP | 1 mm | |

Diesel Powered Pump

High performance Koshin pumps mounted to 'recoil start' Robin engines. For clean and black water. Electric start version available with Hatz "X" type engine - includes battery in frame.

High performance High Head Koshin pumps mounted to Robin diesel engines. For clean water irrigation duty only. Electric start models available.



| CODE | TYPE | WEIGHT | PORTS | MAX. FLOW | MH | ENGINE | SOLIDS | PRICE |
|--------------|-------------------------------|---------|---------|-----------|------|-----------------|--------|-------|
| PUR050070HR | SE-50XDHR | 55.0 Kg | 2" | 560 lpm | 23 m | Hatz 1B20 5.0HP | 5 mm | |
| PUR050075HR | SE-80XDHR | 58.0 Kg | 3" | 900 lpm | 23 m | Hatz 1B20 5.0HP | 7 mm | |
| PUR050070HES | SE-50XDHES Electric Start | 65.0 Kg | 2" x 2" | 560 lpm | 23 m | Hatz 1B20 5.0HP | 5 mm | |
| PUR050075HES | SERH-80DHES Electric Start | 68.0 Kg | 3" x 3" | 900 lpm | 23 m | Hatz 1B20 5.0HP | 7 mm | |

Many more engine pumps available on request including diaphragm pumps and heavy duty compressor or vacuum prime contractor pumps for utility use, flood protection and models with acoustic canopies.

PUMP CONTROL EQUIPMENT

For the safe and efficient operation of pumps a control panel is required.

Our standard panels include electrical protection against overload and protection against dry running via a float switch.

For single phase (up to 2.2kW) and smaller 3 phase (up to 5.5kW) pumps we offer Direct-On-Line Starter Panels. For larger motors we can offer assisted starting via Soft Starting on Star Delta.



For all 3 phase pumps we recommend Variable Speed Control. This energy efficient system not only delivers constant pressure without fluctuations, also reduces power usage and can prolong the life of pumps and associated pipe work.

All of our panels are built in-house to client specification and conform to BS61439-1.

Standard Features

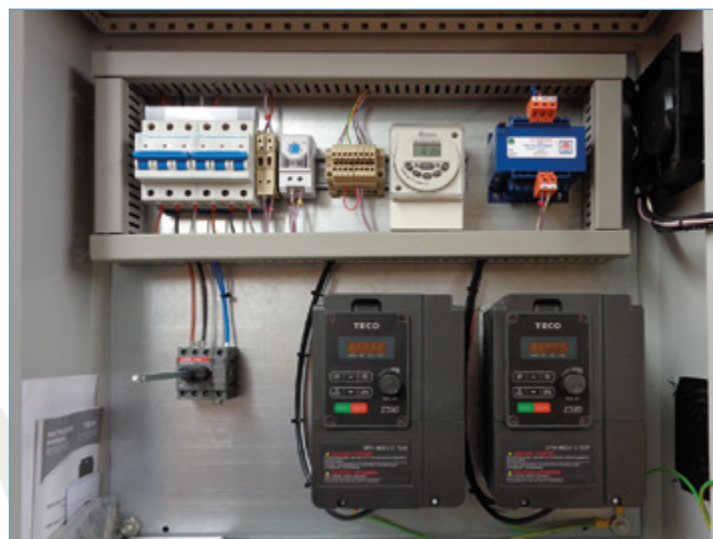
Overload protection

Door interlock isolator

Low water protection

Terminals for connecting pressure switch, start signal from irrigation controller etc

Fascia mounted status lamps



OPTIONAL EXTRAS:

- A range of alarms including flashing beacon, audible alarm, text message
- Over/under pressure cutout/alarm
- No-flow cutout/alarm;
- over/under flow cutout/alarm
- Integration with transfer pumps
- Integration with irrigation control system software
- Automatic priming pump control
- Outputs for automatic storage tank filling
- Touchscreen display & control
- Remote control via text messaging
- RCD protection
- Timer controls
- Many more...



GRP HOUSINGS

Standard Double Door Range

All GRP housings are moulded in Glass Reinforced Plastic (GRP) composite using self-extinguishing, fire retardant resin, tested to BS476: Part 7, Class 2.

All housings offered as standard:

- Cylinder night latch or Stainless steel hasp & staple for your own padlock
- 316 Stainless steel hinges.
- 18mm WBP treated hardwood plywood mounting backboards.
- Doors are reinforced to provide a high level of security and are dust and weather proofed to IP54.
- Cabinets have a semi-gloss surface and standard colours are from BS4800 range: GREEN (14-C-39) and GREY (10-A-07). Additional colours are available on request.

GRP6 & GRP7 have an integral GRP membrane floor. The rest of the standard double door range have an open base with a 100mm reinforced integral base flange for bolting to the preformed concrete base.

- Spring tower bolts for retaining the secondary door leaf in its closed position.



£90 delivery - UK mainland

| CODE | WIDTH | DEPTH | HEIGHT | PRICE |
|---------|---------|--------|---------|-------|
| NKGRP06 | 1080 mm | 400 mm | 1280 mm | POA |
| NKGRP07 | 1080 mm | 680 mm | 1280 mm | POA |
| NKGRP08 | 1300 mm | 400 mm | 1250 mm | POA |
| NKGRP09 | 1400 mm | 660 mm | 1515 mm | POA |
| NKGRP10 | 1700 mm | 800 mm | 1600 mm | POA |
| NKGRP11 | 2000 mm | 500 mm | 1600 mm | POA |
| NKGRP12 | 2000 mm | 800 mm | 1600 mm | POA |

CONTROL EQUIPMENT

Basic Floats for Pumps

Basic floats to mount on standard 'cabtyre' cable entry. For replacement and retrofit applications to submersible pumps.

- **AGMA 22**
c/w 10 m Cable
- **MAC-3 Float**
& Gland



| CODE | TYPE | Kg | PRICE |
|-----------|--------------|-----|-------|
| PUR020003 | AGMA 22 10 m | 1.2 | |
| PUR020001 | MAC-3 | 0.5 | |

Minimatic Float Switches

MICROSTART-I

Single Action

Simple single action float for emptying operations. 2 core connection.

MINIMATIC-C

Double Action

Double action float for emptying or filling operations. 3 core connection.



| CODE | TYPE | Kg | CABLE | PRICE |
|-----------|--------------|-----|-------|-------|
| PUR030549 | Microstart-I | 0.5 | 0.5 m | |
| PUR030550 | | 0.7 | 5 m | |
| PUR030552 | | 1.1 | 10 m | |
| PUR030554 | | 1.5 | 15 m | |
| PUR030556 | | 1.9 | 20 m | |
| PUR030558 | | 2.0 | 30 m | |
| PUR030562 | Minimatic-C | 0.7 | 5 m | |
| PUR030564 | | 1.1 | 10 m | |
| PUR030566 | | 1.5 | 15 m | |
| PUR030568 | | 1.9 | 20 m | |
| PUR030570 | | 3.0 | 30 m | |

Metal Woven Hose

For connection from pressure vessel to brass multiway coupling in pressure sets. With a high bending radius and rubber lined. 1"(MxFm) BSP.



| CODE | LENGTH | PRICE |
|-----------|--------|-------|
| MWH100050 | 500mm | |
| MWH100060 | 600mm | |
| MWH100080 | 800mm | |
| MWH100100 | 1000mm | |

Brass Multiway Fitting

5-Way (1"x1"x1"x1/4" x 1/4")

Pump in, pump out, pressure vessel in, pressure switch & gauge.



| CODE | PRICE |
|----------|-------|
| BS920074 | |

Expansion Vessel for Pressurised Systems

An irrigation system contains considerable kinetic energy from moving liquid. When a valve is turned on or off, energy is released which cannot be absorbed by the liquid. The result is an expansion in the pipework which can lead to failure. An expansion vessel is the answer. The kinetic energy is absorbed within the vessel by a membrane inside a pressurised cushion of air.

The air pressure within the vessel must be set to 2 psi less than the minimum cut-in setting of the connected pressure switch.



VERTICAL 10 Bar

| CODE | SIZE | PRICE |
|-----------|------------------|-------|
| PUR022551 | 5L No Mount 3/4" | |
| PUR022552 | 8L No Mount 3/4" | |
| PUR022553 | 25L No Mount 1" | |
| PUR022557 | 60L Vertical 1" | |
| PUR022560 | 100L Vertical 1" | |
| PUR022590 | 200L Vertical 1" | |
| PUR022620 | 300L Vertical 1" | |
| PUR022622 | 500L Vertical 1" | |

VERTICAL 16 Bar

| CODE | SIZE | PRICE |
|-----------|----------------------|-------|
| PUR022631 | 24L No Mount 1" | |
| PUR022632 | 100L Vertical 1" | |
| PUR022634 | 200L Vertical 1 1/4" | |
| PUR022635 | 300L Vertical 1 1/4" | |
| PUR022636 | 500L Vertical 2" | |

HORIZONTAL 10 Bar

| CODE | SIZE | PRICE |
|-----------|--------------------|-------|
| PUR022554 | 25L Horizontal 1" | |
| PUR022556 | 60L Horizontal 1" | |
| PUR022559 | 100L Horizontal 1" | |
| PUR022580 | 200L Horizontal 1" | |
| PUR022610 | 300L Horizontal 1" | |

Replacement Bladders/Membranes

| CODE | CAPACITY | PRICE |
|-----------|-------------|-------|
| PUR022532 | 5-8L | |
| PUR022534 | 25L | |
| PUR022536 | 60-100L | |
| PUR022538 | 200L | |
| PUR022540 | 300L | |
| PUR022542 | 500L | |
| PUR022543 | 500L 16 BAR | |

PUMP ACCESSORIES

Pressure Boosting Control Units

Used to start, stop and control small pumps in the field of water supply. It not only controls the pump unit, it also protects the pump against hydraulic, electrical and mechanical failure and prevents dry running of pumps. They can be fitted to almost any pump with an outlet pressure of 2 bar minimum to 10 bar maximum with a flow rate of between 40 & 200 litres per minute. Suitable for most water systems from well, tank or low pressure mains. The Controlpress is also pressure adjustable. Ask us about fitting to a pump of your choice.



| CODE | TYPE | Kg | SIZE | DIMENSIONS | MAX kW/Amp | PRICE |
|-----------|-------------------|-----|--------|-------------------|------------|-------|
| PUR060430 | PRESSCONTROL 230V | 1.4 | 1" | 165 x 170 x 230mm | 1.5/8 | |
| PUR060438 | CONTROLPRESS 230V | 2.6 | 1 1/4" | 175 x 210 x 300mm | 2.2/16 | |

Dry Pressure Gauges

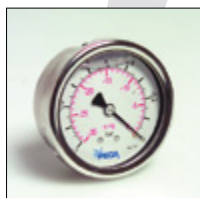
Case: 63mm
 Connection: brass
 Case: black steel
 Bourdon tube: copper alloy up to 40 bar; phosphorous bronze from 60 bar
 Window: polycarbonate
 Pointer: aluminium (black)
 Dial: aluminium (white)



| CODE | TYPE | CONNECTION | PRICE |
|---------|--------------------------|--------------------------------------|-------|
| PGA04B | 0 - 4 Bar (0 - 60 psi) | 1/4"(MBSP) bottom connection | |
| PGA06B | 0 - 6 Bar (0 - 90 psi) | | |
| PGA010B | 0 - 10 Bar (0 - 150 psi) | | |
| PGA016B | 0 - 16 Bar (0 - 240 psi) | | |
| PGA04R | 0 - 4 Bar (0 - 60 psi) | 1/4"(MBSP) centre back connection | |
| PGA06R | 0 - 6 Bar (0 - 90 psi) | | |
| PGA010R | 0 - 10 Bar (0 - 150 psi) | | |
| PGA016R | 0 - 16 Bar (0 - 240 psi) | | |

Liquid Filled Pressure Gauges

Case: 63mm; 1.6% accuracy class
 Connection: brass
 Case: stainless steel
 Bourdon tube: copper alloy up to 40 bar; phosphorous bronze from 60 bar
 Window: polycarbonate
 Pointer: aluminium (black)
 Dial: aluminium (white)



| CODE | TYPE | CONNECTION | PRICE |
|----------|----------------------------|--------------------------------------|-------|
| PGO0010B | 0 - 1 bar (0 - 15 psi) | 1/4"(MBSP) bottom connection | |
| PGO0020B | 0 - 2 bar (0 - 30 psi) | | |
| PGO0040B | 0 - 4 bar (0 - 60 psi) | | |
| PGO0060B | 0 - 6 bar (0 - 90 psi) | | |
| PGO0100B | 0 - 10 bar (0 - 150 psi) | | |
| PGO0160B | 0 - 16 bar (0 - 240 psi) | | |
| PGO0250B | 0 - 25 bar (0 - 375 psi) | | |
| PGO0400B | 0 - 40 bar (0 - 600 psi) | | |
| PGO0600B | 0 - 60 bar (0 - 900 psi) | 1/4"(MBSP) centre back connection | |
| PGO1000B | 0 - 100 bar (0 - 1500 psi) | | |
| PGO0040R | 0 - 4 bar (0 - 60 psi) | | |
| PGO0060R | 0 - 6 bar (0 - 90 psi) | | |
| PGO0100R | 0 - 10 bar (0 - 150 psi) | | |
| PGO0160R | 0 - 16 bar (0 - 240 psi) | | |

Condor Membrane Pressure Switch

3-pole, 25 amp, 500V - 5.5 kW

Connection: 1/2"(FBSP)



| CODE | TYPE | PRESSURE | PRICE |
|----------|------------|-------------|-------|
| BS920090 | MDR 5 / 5 | 1.5 - 5 bar | |
| BS920091 | MDR 5 / 8 | 2 - 8 bar | |
| BS920092 | MDR 5 / 11 | 2 - 11 bar | |

Adjustable Pressure Switch

Connection: 1/4"(FBSP)



| CODE | TYPE | PRESSURE | PRICE |
|-------------|----------------|------------|-------|
| PSW0212B240 | PM/12 250V 16a | 2 - 12 bar | |
| PSW0105B240 | PM/5 250V 16a | 1 - 5 bar | |
| PSW0105B400 | PT/5 400V 16a | 1 - 5 bar | |

Fantini Pressure Switch

Fantini give you precise control with setting on/off and differential pressure by the aid of visual gauges.

Connection: 1/4"(FBSP)




| CODE | TYPE | PRESSURE | PRICE |
|-----------|---------------|-------------|-------|
| PUR060414 | Fantini B12CN | 0.2 - 8 bar | |
| PUR060416 | Fantini B12DN | 5 - 16 bar | |

SURFACE MOUNTED PUMPS

Multi EVO Centrifugal Multistage Pumps


Multi-EVO horizontal multistage pumps produce high flow and pressure in performance. NOT self priming and should not be allowed to run dry. Technopolymer impellers and diffusers. Clean water only with no solids or abrasives and a maximum liquid temperature of 50°C. Examples of use include water pressure boosting, washing and irrigating. Multi EVO pre-built booster sets also available on request.



| CODE | TYPE | WEIGHT | PORTS | MAX. FLOW | LM/HM | kW | PRICE |
|-----------|----------------------|---------|-----------|-----------|--------|------|-------|
| PUR022210 | Multi EVO 3-30M 230V | 7.0 Kg | 1" x 1" | 4.5 m³/h | 80/36 | 0.40 | |
| PUR022215 | Multi EVO 3-30T 400V | 7.0 Kg | 1" x 1" | 4.5 m³/h | 80/36 | 0.40 | |
| PUR022220 | Multi EVO 3-40M 230V | 7.0 Kg | 1" x 1" | 4.5 m³/h | 80/46 | 0.55 | |
| PUR022225 | Multi EVO 3-40T 400V | 7.0 Kg | 1" x 1" | 4.5 m³/h | 80/46 | 0.53 | |
| PUR022027 | Multi EVO 3-50M 230V | 9.0 Kg | 1" x 1" | 4.5 m³/h | 80/58 | 0.70 | |
| PUR022029 | Multi EVO 3-50T 400V | 9.0 Kg | 1" x 1" | 4.5 m³/h | 80/58 | 0.70 | |
| PUR022026 | Multi EVO 3-60M 230V | 11.0 Kg | 1" x 1" | 4.5 m³/h | 80/67 | 0.90 | |
| PUR022030 | Multi EVO 3-60T 400V | 11.0 Kg | 1" x 1" | 4.5 m³/h | 80/67 | 0.82 | |
| PUR022230 | Multi EVO 5-40M 230V | 9.0 Kg | 1" x 1" | 7.2 m³/h | 120/46 | 0.75 | |
| PUR022235 | Multi EVO 5-40T 400V | 9.0 Kg | 1" x 1" | 7.2 m³/h | 120/46 | 0.75 | |
| PUR022240 | Multi EVO 5-50M 230V | 11.0 Kg | 1" x 1" | 7.2 m³/h | 120/58 | 0.95 | |
| PUR022245 | Multi EVO 5-50T 400V | 11.0 Kg | 1" x 1" | 7.2 m³/h | 120/58 | 0.90 | |
| PUR022195 | Multi EVO 5-60M 230V | 14.0 Kg | 1¼" x 1¼" | 11.8 m³/h | 120/69 | 1.20 | |
| PUR022205 | Multi EVO 5-60T 400V | 14.0 Kg | 1¼" x 1¼" | 11.8 m³/h | 120/69 | 1.20 | |
| PUR022247 | Multi EVO 8-30M 230V | 14.0 Kg | 1¼" x 1¼" | | | | |
| PUR022010 | Multi EVO 8-30T 400V | 14.0 Kg | 1¼" x 1¼" | | | | |
| PUR022248 | Multi EVO 8-40M 230V | 14.0 Kg | 1¼" x 1¼" | 11.8 m³/h | 200/44 | 1.20 | |
| PUR022012 | Multi EVO 8-40T 400V | 14.0 Kg | 1¼" x 1¼" | 11.8 m³/h | 200/44 | 1.18 | |
| PUR022241 | Multi EVO 8-50M 230V | 15.0 Kg | 1¼" x 1¼" | 11.8 m³/h | 200/56 | 1.40 | |
| PUR022249 | Multi EVO 8-50T 400V | 15.0 Kg | 1¼" x 1¼" | 11.8 m³/h | 200/56 | 1.40 | |

Multi-EVO-A Self-Priming Multistage Centrifugal Pumps


Multi-EVO-A is a self-priming multi-stage centrifugal horizontal pump with an inlet with axial thread and an outlet with radial thread. The innovative, high efficiency hydraulic system is connected to a motor of the latest generation with a mechanical seal. Multi-EVO-A pre-built booster sets also available on request.



| CODE | TYPE | WEIGHT | PORTS | MAX. FLOW | MAX. HEAD | kW | PRICE |
|-----------|------------------------|---------|---------|-----------|-----------|------|-------|
| PUR022190 | Multi EVO-A 3-40M 230V | 7.3 Kg | 1" x 1" | 4.8 m³/h | 42.5 m | 0.51 | |
| PUR022194 | Multi EVO-A 5-50M 230V | 10.6 Kg | 1" x 1" | 7.2 m³/h | 56.0 m | 0.95 | |
| PUR022196 | Multi EVO-A 5-50T 400V | 10.6 Kg | 1" x 1" | 7.2 m³/h | 56.0 m | 0.90 | |

Jet Pump - Traditional Cast Iron - Self Priming


Cast iron pump body and motor bracket. Impellor, diffuser and venturi system made from technopolymer (Jet 100-68/80 impellers made from brass). Clean water only with a maximum temperature of 50°C. Maximum suction height of 7 metres with footvalve. Main uses include booster systems, washing systems and garden irrigation.



| CODE | TYPE | WEIGHT | PORTS | MAX. FLOW | MAX. HEAD | kW | PRICE |
|-----------|-----------------|---------|----------|-----------|-----------|------|-------|
| PUR022280 | JET 1000 230V | 17.8 Kg | 1" | 4.2 m³/h | 50 m | 1.00 | |
| PUR022284 | JET 1000 415V | 17.8 Kg | 1" | 4.2 m³/h | 50 m | 1.00 | |
| PUR022292 | JET 100-68 230V | 29.4 Kg | 1½" x 1" | 5.9 m³/h | 68 m | 2.00 | |
| PUR022293 | JET 100-68 415V | 29.4 Kg | 1½" x 1" | 5.9 m³/h | 68 m | 2.00 | |
| PUR022294 | JET 100-80 415V | 31.0 Kg | 1½" x 1" | 5.9 m³/h | 80 m | 2.50 | |

Jet Pump - Stainless Steel - Self Priming

Impellor, diffuser/venturi system made from technopolymer. Clean water only with a maximum temperature of 50°C. Maximum suction height of 7 metres with footvalve. Main uses include booster systems, washing systems and garden irrigation.



| CODE | TYPE | WEIGHT | OUTLET | MAX. FLOW | MAX. HEAD | kW | PRICE |
|-----------|--------------------|---------|----------|-----------|-----------|------|-------|
| PUR022253 | JETINOX 45/43 230V | 8.0 Kg | 1" | 2.7 m³/h | 43 m | 0.60 | |
| PUR022266 | JETINOX 60/50 230V | 8.6 Kg | 1" | 3.6 m³/h | 50 m | 0.55 | |
| PUR022286 | JETINOX 90/50 230V | 13.0 Kg | 1¼" x 1" | 5.4 m³/h | 50 m | 0.90 | |

SURFACE MOUNTED PUMPS

Garden Pump - Stainless Steel

Complete with handle, on/off switch and 7 metre suction kit which has a filter and non-return valve included. For the outlet a 25mm hose connector is supplied. Stainless steel pump body. Impellor, diffuser and venturi system made from technopolymer. Clean water only with a maximum temperature of 50°C. Maximum suction height of 7 metres with footvalve. Can be used to draw water from wells, water butts etc. to operate sprinklers and waterguns for irrigation purposes.



| CODE | TYPE | WEIGHT | PORTS | MAX. FLOW | MAX. HEAD | kW | PRICE |
|-----------|----------------------|--------|-------|-----------|-----------|------|-------|
| PUR022250 | Pura/Jetcom Kit 230V | 8.1 Kg | 1"x1" | 40 LPM | 42 m | 0.55 | |

Single Pump Units (Pressure Switch Operation c/w Accumulator Vessel) - Self Priming

Self priming single pump booster sets complete with pressure switch and mild steel accumulator vessel. Water supply is not always enough to supply the correct amount of water at a suitable pressure, so the best and most affordable solution to solve water deficiency problems is to install a pumped booster systems via a 'break' tank. These systems are specifically designed to boost the pressure of the water supply and deliver the correct amount of water to all outlets.

The pre-set pressure switch enables it to automatically start and stop the pump. The water inside the reservoir prevents the pump from restarting if a small amount of water is requested, protecting it from excessive wear and enabling users to save power.

These booster sets are supplied ready to be installed and used. **Do not allow to run dry.**



WATERPRESS

Cast iron pump body and motor bracket. Impellor, diffuser and venture system made from technopolymer. Clean water use only with a maximum temperature of 50°C.

SUPERINOX

Jet self-priming pumps. Stainless steel pump bodies. Impellor, diffuser and venture system made from technopolymer. Clean water only with a maximum temperature of 50°C.

WATERPRESS MULTI EVO-A

Horizontal multi-stage pump. Stainless steel pump body. Technopolymer impellers and diffuser. Carbon mechanical seal. Clean water only with no solids or abrasives and a maximum liquid temperature of 50°C.

We can also build any pump & vessel to your own specification - please give us a call to discuss your requirements.



| CODE | TYPE | ACCUMULATOR VESSEL | WEIGHT | PORTS | MAX. FLOW | MAX. HEAD | kW | PRICE |
|-----------|-----------------------------|--------------------------|---------|--------|-----------|-----------|------|-------|
| PUR022463 | WATERPRESS INOX 230V | 25 Litre Mild Steel | 15.0 Kg | 1"x1" | 3.3 m³/h | 45 m | 0.55 | |
| PUR022460 | WATERPRESS 70/50 230V | 25 Litre Mild Steel | 22.0 Kg | 1"x1" | 4.2 m³/h | 45 m | 1.00 | |
| PUR022461 | WATERPRESS 70/50+ 230V | 60 Litre Mild Steel | 32.0 Kg | 1"x1" | 4.2 m³/h | 45 m | 1.00 | |
| PUR022462 | SUPERINOX 60/50 230V | 25 Litre Stainless Steel | 11.0 Kg | 1"x1" | 3.3 m³/h | 45 m | 0.55 | |
| PUR022464 | SUPERINOX 90/50 230V | 25 Litre Stainless Steel | 12.0 Kg | 1¼"x1" | 4.5 m³/h | 45 m | 0.90 | |
| PUR022495 | W/P MULTI EVO-A 5-50M 230V | 25 Litre Stainless Steel | 13.0 Kg | 1"x1" | 6.1 m³/h | 55 m | 0.95 | |
| PUR022500 | W/P MULTI EVO-A 5-50M+ 230V | 60 Litre Stainless Steel | 23.0 Kg | 1"x1" | 6.1 m³/h | 55 m | 0.95 | |

LOWARA PUMPS



SV Series Vertical Multi-stage Centrifugal Pumps

- Flexibility of application
- Ease of maintenance
- High performance and silent running

Delivery up to 120 m³/hr - Head up to 330 m -
Power up to 45 kW

Highly reliable and technologically advanced vertical multi-stage centrifugal pumps, capable of satisfying the needs of a wide variety of users.

Multi-stage vertical pumps with impellers, diffusers and outer sleeve entirely made of stainless steel, with pump body and upper head in cast iron in the standard versions. Various flange arrangements available on all models. The N versions are entirely made of stainless steel. Horizontal version are available on request as well as version with 4-pole motor.



Applications:

- Water supply and pressure boosting
- Water treatment
- Light industry
- Irrigation and farming
- Heating, ventilation and air-conditioning

5-10 m³/hr ~ from 2.5 bar to 10 bar and above

- Lowara 5 SV & 10 SV

10-20 m³/hr ~ from 2.5 bar to 10 bar and above

- Lowara 10 SV, 15 SV & 22 SV

32+ m³/hr ~ from 2.5 bar to 10 bar and above

- Lowara 33 SV

45+ m³/hr ~ from 2.5 bar to 10 bar and above

- Lowara 46 SV

60+ m³/hr ~ from 2.5 bar to 10 bar and above

- Lowara 66 SV

Energy Saving Variable Speed Control System Lowara Hydrovar® Series

Features

- Sizes available 0.37 to 525kW
- Wall mounted versions available
- Shuts off at zero demand
- Mounted directly on any standard I.E.C. motors
- LCD display
- Connects up to 4 pumps together
- Two different control inputs
- IP55 protection
- Anti-condensation heater

Hydrovar® Booster Sets

The Hydrovar allows up to 4 units to be interfaced together which offers the user ultimate flexibility. The pumps have an automatic cyclic changeover facility and in the case of failure the remaining pump/s take up the duty.

Hydrovar® is perfect for retro-fitting

The Hydrovar speed controller can be mounted or retro-fitted to any existing centrifugal pump manufacturer's unit, which has standard IEC motor.



A wide range of 4" to 12" Bore-hole Pumps

- **GS Series** for 4" wells
- **Scuba Series** for 5" wells
- **Z6 Series** (AISI 304) and **ZN6 Series** (AISI 316) for 6" wells
- **Z8 Series** (AISI 304) and **ZR8 Series** (Duplex) for 8" wells
- **Z10-Z12 Series** (AISI 304) and **ZR10-ZR12** (Duplex) for wells up to 12"

CAPRARI PUMPS

D-M Series Submersible Pumps

- **D Series pumps** for drainage applications, cast-iron construction
- Free standing or pedestal mounting options
- Impellor options include vortex or single-channel with wide free passages available

Electric submersible pumps designed for raising drainage water. Thanks to their amenity and sturdiness they are used for draining out excavations even under the harshest working conditions. Ideal for conveying clean or dirty water containing mud and sand, draining tanks and reservoirs, irrigating gardens and allotments.

- **M Series pumps** for waste-water applications including heavy-duty models with cutter impellers
- Free standing or pedestal mounting options
- Impellor options include vortex or single-channel with wide free passages available

Electric submersible pumps for dirty water suited for conveying sewage water with solid matter in suspension. The models in the MAT series are equipped with a shredder for residential and industrial drainage systems. Designed for high heads and small flows, they are the ideal solution for conveying residential waste water in isolated areas far from the sewer mains.

E4XP Series 4" Borehole Pumps and Motors

High-efficiency multistage submersible electric pumps available in a wide range so as to perfectly suit whatever duty point may be required. Compact and stainless, they combine power and reliability owing to their pioneering type of construction (three exclusive patents) and the quality of the materials used to make them. They are designed to withstand galvanic corrosion thanks to the DEFENDER® passivating system. The EASY-CHECK disassembly system allows them to be easily serviced. Machines conform to 2009/125/EC directive (EcoDesign - ErP).

- A wide range of 4" stainless steel borehole pumps suitable for pressure boosting, water supply, irrigation etc.
- Flows from 0.5 to 21 m³/hr with pressures up to 400 metres/head
- Solids handling up to 150 g/m³ with **Energy series** or up to 450 g/m³ with **Desert Line series**
- Over 40 models to choose from in Energy series alone
- Desert Line pumps available in 4" and 6" diameter
- 1-ph (230v), 3-ph (400v) and 3-ph (230v) motors available
- Additional cable can be pre-jointed to motor tails before despatch together with protection equipment

Larger Borehole Pumps, 6" to 22" diameter

Also available is a wide range of 6" and 8" borehole pumps and motors, including selected models from stock for immediate supply, for larger irrigation duties up to 140 m³/hr nominal. Please ask for details.

caprari
pumping power



GRUNDFOS PUMPS



Multistage Centrifugal Pumps

Grundfos CR / CRI / CRN

LS Systems can offer solutions for all Pressure Boosting Applications

As Grundfos dealers LS Systems can draw from a wide range of pumps to offer the most suitable pump for your requirements.

From Single, Fixed Speed Pumps, to Variable Speed, Multi Pump Booster Sets we have the solution to your pumping needs.

5-10 m³/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CRI-5 & CRI-10

10-20 m³/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CRI-10; CRI-15 & CRI-20

32+ m³/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CR-32

45+ m³/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CR-45

60+ m³/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CR-64



CR

Stainless steel AISI 304 with a cast iron top and base.

Adding constant pressure to your system

Keeping a constant sufficient pressure to your irrigation system can be vital to secure uniform irrigation. If your pump is unable to supply constant pressure, caused by pressure loss in the pipe work, height differences or due to long or bended piping, the Grundfos CR range will secure exactly the flow and pressure that you require.

The Grundfos CR range is extremely reliable and energy-efficient and despite the long life of the pump, it is virtually maintenance free.

Features

- Reliability
- High efficiency
- Service-friendly
- Space-saving
- Suitable for slightly aggressive liquids

CRE / CRIE / CRNE

Multistage centrifugal pumps - **electronically controlled**

Grundfos electronically controlled pumps (E-pumps) are able to deliver intelligent speed control. We've integrated a frequency converter to automatically adjust pump speed to suit demand, which regulates pressure on the system.

Known as proportional pressure, this means you get only the pressure you need.

Rather than running at a fixed speed all the time, Grundfos E-pumps operate on a proportional pressure curve. This makes them far more efficient than standard three-speed pumps.



CRI

Stainless steel AISI 304 throughout.



CRN

High-grade AISI 316 stainless steel throughout.

GRUNDFOS PUMPS



Frequency Converters - speed control of pumps Grundfos CUE

The Grundfos CUE range offers a variable speed control solution for pumps, with a user friendly interface and the functionality and build quality for which Grundfos is renowned.

CUE inverters are wall mounted, and can be retro-fitted to existing Grundfos pumps, or as part of a new installation on pumps where E-Pump integrated Inverter is not available.

Features & Benefits

- Energy saving - the pump only works as hard as it needs to, so power consumption is reduced
- The pump will maintain a set pressure without surges
- Smooth operation and reduced stress on pipework
- Multiple CUE panels can be linked together for multi-pump installations
- For motor sizes up to 250kW 3-phase



A

| | |
|------------------------|-----|
| Accumulator Vessels | 204 |
| Acetal Barbed Fittings | 143 |
| Adhesives | 133 |
| Aftercut All-In-One | 50 |
| Aggregates | 49 |
| Air Circulation Fans | 120 |
| Air Release Valves | 165 |
| Algiclear Pro | 111 |
| All Weather Baskets | 42 |
| Alliplugs | 108 |
| Anti Algae Cover | 195 |
| Anti Bird Net | 117 |
| Anti Condensate Film | 114 |
| Anti Hot Spot Tape | 112 |
| Aphid Predators | 72 |
| Apron | 83 |
| Aquatic Hose | 185 |
| A.R.I. Valves | 165 |
| Automatic Filters | 174 |
| Automatic Hose Reel | 186 |

B

| | |
|------------------------------------|----------|
| Backpack Sprayers | 78 |
| Baler Twine | 101 |
| Ball Float Valves | 195 |
| Ball Valves | 149, 162 |
| Bamboo Canes | 124 |
| Barbed Fittings | 143 |
| Bark | 54 |
| Barrel Strainer | 109 |
| Barrow Sprayers | 80 |
| Baskets, Brackets, Chains & Liners | 42-47 |
| Battery Sprayer | 79 |
| Bed Labels | 122 |
| Bedding Packs | 14 |
| Biological Control | 72 |
| Blanking Plug | 177 |
| Bluetooth Controller | 168 |
| Bonemeal | 64 |
| Boning Knife | 125 |
| Booster Control Unit | 205 |
| Boots | 88 |
| Borehole & Well Pumps | 200 |
| Bowls | 23, 32 |
| Brooms | 95 |
| Bubble Film & Clips | 108 |
| Buckets & Trugs | 93, 95 |
| Bulb Planter | 95 |
| Bulldog Grips | 109 |
| Bulldog Tools | 94 |
| Butterfly Valve | 140 |

C

| | |
|--------------------------------|---------------|
| Cabbage Chopper | 125 |
| Cabinet Heaters | 119 |
| Cable (Low Voltage) | 169 |
| Cable Clips | 131 |
| Cable Ties | 133 |
| Can Strainer | 162 |
| Cam & Groove Quick Couplings | 154 |
| Canes | 124 |
| Cane Caps | 122 |
| Capillary Matting | 115 |
| Caprari Pumps | 209 |
| Cecato Pistol | 80 |
| Chain | 109 |
| Chamfer Tool | 160 |
| Check Valve | 140, 149, 162 |
| Chemical Resistant Boilersuit | 83 |
| Chemicals | 67-70 |
| Chemical Storage | 81 |
| Chicken Fertilizer | 64 |
| Chlorine Photometer | 127 |
| Cleaning Fluid | 133 |
| Clips | 100 |
| Clothing - Safety | 83 |
| Clothing - Waterproof | 83-85 |
| CNL Drippers | 180 |
| CO ₂ Layflat Tubing | 114 |
| Coco Liners | 47 |
| Compost | 48-56 |
| Compost Thermometer | 127 |
| Compression Fittings | 156-160 |
| Conductivity Meter | 129 |
| Containers | 6, 23, 38, 41 |
| Control Panels | 203 |
| Controllers | 166-169 |
| Controlled Release Fertilisers | 56-58 |
| Copper Adaptor (MDPE) | 159 |
| County Hanging Baskets | 40 |
| Coveralls | 83 |
| Crop Covers | 117 |

D

| | |
|-------------------------------|---------|
| Daisy Grubber | 95 |
| Danish Trolley Watering Bar | 188 |
| Danish Trolleys & Accessories | 102 |
| DBR/Y Connector | 169 |
| Delta Trap | 71 |
| Desch Plantpak | 38 |
| Diaphragm Pumps | 212 |
| Dibber | 95 |
| Dilutors | 197 |
| Disinfectants | 69, 110 |
| Disposable Clothing | 83 |
| Disposable Gloves | 86 |
| Dolomitic Lime | 66 |
| Dosatron | 197 |

| | |
|--------------------|-----|
| Double Check Valve | 162 |
| Drain Valve | 138 |
| Drainage Pipe | 132 |
| Dramm Pro Lances | 187 |
| Drip Cap | 180 |
| Drip Irrigation | 178 |
| Droso Trap | 71 |
| Dust Masks | 82 |
| Dutch Hoe | 94 |

E

| | |
|-------------------------|--------|
| Ear Defenders | 86 |
| EC Meters | 129 |
| ECO Trays | 36 |
| EcoExpert Range | 8-9 |
| Edging Knife | 96 |
| Electric Fan Heaters | 120 |
| Engine Pumps | 202 |
| Environmental Computers | 169 |
| EPDM Tank Liners | 194 |
| Ericaceous Compost | 48, 50 |
| Expansion Vessels | 204 |
| Eurodan Trays | 12 |
| Eye Protection | 86 |
| Eye Wash Station | 86 |

F

| | |
|---------------------------|----------|
| Face Masks | 82 |
| Face Shield | 86 |
| Fan Nozzle | 187 |
| Fans | 120 |
| Feed, Weed & Mosskiller | 50, 92 |
| Felco Secateurs | 98 |
| Fencing | 116 |
| Fertilisers | 59-66 |
| Fertiliser Injectors | 197 |
| Field Sprinklers & Stands | 182 |
| Filters | 82, 172 |
| Fish Blood & Bone | 64 |
| Fittings - Barbed | 143 |
| Fittings - Galvanised | 151 |
| Fittings - Hose | 190 |
| Fittings - MDPE | 156 |
| Fittings - Nylon Threaded | 148 |
| Fittings - PVC | 134 |
| Flange Adaptors | 139, 157 |
| Fleece | 117 |
| Float Switches | 204 |
| Floats | 195 |
| Flushing Valve | 140 |
| Fogging Nozzles | 177, 189 |
| Foot Valve | 149, 162 |
| Forks | 94 |
| Fruit Pruner | 101 |
| Fuel Hose | 184 |
| Fungicides | 67 |

G

| | |
|-----------------------------|-----|
| Gaffer Tape | 122 |
| Galcon Controllers | 168 |
| Galvanised Metal Fittings | 151 |
| Garden Centre Equipment | 102 |
| Garden Lime | 64 |
| Garden Tools | 94 |
| Gas Heaters | 118 |
| Gaskets | 139 |
| Gate Valves | 162 |
| Gauntlet Gloves | 86 |
| Geka Type Fittings | 191 |
| Glass Cleaning & Shading | 110 |
| Glass & Glazing Accessories | 108 |
| Glasshouse Stability Aid | 108 |
| Gloves | 86 |
| Glue | 133 |
| Goggles | 86 |
| Grafting Clips | 100 |
| Grafting Knife | 125 |
| Grass Seed | 92 |
| Gravel / Grit | 49 |
| Grease Filled Connectors | 169 |
| Green Split Canes | 124 |
| Ground Limestone | 66 |
| Ground Stabilisation | 91 |
| Groundcover | 93 |
| Grow Bags | 51 |
| Growing Media | 48 |
| Growmore | 64 |
| Growth Regulators | 68 |
| GRP Pump Housings | 203 |
| Grundfos Pumps | 210 |
| GS4 | 110 |

H

| | |
|----------------------------------|---------------|
| H ₂ Gro Wetting Agent | 60 |
| Hand Tools | 95 |
| Hanging Baskets | 6, 34, 40, 47 |
| Hansen Fittings | 148 |
| Hasp & Staple | 123 |
| Hawita Peat | 53 |
| Hay Rake | 95 |
| Hazard Warning Signs | 77 |
| Heaters | 118 |
| Heatwave Panels | 121 |
| Heldite | 153 |
| Herbicides | 68 |
| High Visibility Clothing | 84 |
| Hoe | 94 |
| Hole Punch | 177 |
| Hooks (Sprayline) | 133 |
| Hortifeeds Nutrition | 62 |
| Hortisept Pro | 111 |
| Hose | 184 |
| Hose Adaptors/Couplings | 190 |
| Hose Clamps | 192 |

| | |
|------------------------------|---------|
| Hose Connectors | 191-192 |
| Hose Guiders & Hangers | 183 |
| Hose Reels | 186 |
| Hose Tail (Brass) | 191 |
| Humax Compost | 56 |
| Hydrocyclone Filter | 174 |
| Hygrometers (Humidity Meter) | 126 |
| Hyperox | 110 |

I

| | |
|------------------------|---------|
| IBC Adaptors | 139 |
| Imperial PVC Fittings | 141-142 |
| Injectors | 197 |
| Inline Filter | 162 |
| Insect Screens | 117 |
| Insecticides | 69 |
| Insert Trays | 19 |
| Iron Chelates | 58 |
| Irrigation Controllers | 166-169 |

J

| | |
|----------------------|-----|
| Jacinta Baskets | 40 |
| Jet 5 Disinfectant | 110 |
| John Innes | 51 |
| "Jubilee" Type Clips | 192 |
| Jugs | 127 |
| Jute Basket Liners | 46 |

K

| | |
|---------------------|-----|
| Knapsack Sprayers | 78 |
| Knives & Sharpeners | 125 |

L

| | |
|-----------------------|--------|
| Labels - Plant | 122 |
| Labelling - Pots | 22 |
| Laces | 89 |
| Lances (Watering) | 187 |
| Lawn Edging Knife | 94 |
| Lawn Rake | 94 |
| Lawn Sand | 92 |
| Lawn Seed | 92 |
| Lay Flat Hose | 185 |
| Layering Hooks | 101 |
| LDPE Pipe | 131 |
| Leaf Rake | 94 |
| Levington Advance | 55 |
| Lime | 64, 66 |
| Line Valves | 144 |
| Liners | 194 |
| Locks | 123 |
| Loktex Windbreak | 116 |
| Loop Lock Labels | 122 |
| Low Voltage Cable | 169 |
| Lowara Pumps | 208 |
| LPD | 176 |
| Lumisol Tunnel Covers | 113 |

M

| | |
|---------------------|-----|
| Manifold Fittings | 147 |
| Manure (Farmyard) | 50 |
| Marker Pen | 122 |
| Marketing Trays | 9 |
| Masks (Respirators) | 82 |
| Maxifit Coupling | 159 |
| Melcourt | 54 |
| Metal Fittings | 151 |
| Metal Valves | 162 |
| Metal Woven Hose | 204 |
| Mini Ball Valves | 163 |
| Mist Controller | 169 |
| Modular Sprinklers | 176 |
| Moss | 46 |
| Mosskade Herbicide | 68 |
| MP Rotator | 170 |
| Mulch Fabric | 93 |
| Multistage Pumps | 206 |

N

| | |
|-------------------------|---------|
| Nematodes | 76 |
| Neoprene Wellington | 90 |
| Netting | 116 |
| Net Wrap | 101 |
| NexTray's | 39 |
| Normpack® Trays | 10 |
| Nozzles & Roses | 187-189 |
| NPK Soil Test Kits | 126 |
| Nut Lock Fittings | 146 |
| Nylon Hose Fittings | 190 |
| Nylon Monofil | 103 |
| Nylon Threaded Fittings | 148 |

O

| | |
|------------------------------|-------|
| Octo Pot (Soparco) | 41 |
| Omex Nutritional Products | 63 |
| Omni Glass | 110 |
| One Touch Valve | 187 |
| Onion Hoe | 96 |
| Orchid Pots | 29 |
| Organic Fertilisers | 64 |
| Osmocote | 56-58 |
| Ottima Drippers (Octamitter) | 179 |
| Overalls | 83 |

P

| | |
|-------------------------------|---------------|
| pH Meters | 128 |
| Packaging Tape | 123 |
| Padlocks | 123 |
| Pallet Wrap | 101 |
| Paring Knife | 125 |
| Peat | 53 |
| Pen | 122 |
| Perflex Polythene | 114 |
| Perlite | 52 |
| Pesticides | 67-70 |
| PG Mix | 66 |
| Pheromone Traps | 71 |
| Pipe | 131 |
| Pipe Clips | 131, 133, 153 |
| Pipe Liners | 159 |
| Pipe Rail Trolleys | 100 |
| Pipe Shears | 160 |
| Plant Labels | 122 |
| Plant Nutrition | 56-63 |
| Plant Sticks | 122, 124 |
| Plant Tying Machines | 123 |
| Plant Supports | 29, 124 |
| Planters | 44 |
| Plantopia Hanging Baskets | 47 |
| Platform Brush | 95 |
| Plug Trays | 21 |
| Plunger Pumps | 213 |
| Pocket Knife | 125 |
| Pollination | 72 |
| Polythene Films | 114 |
| Polytex Pro | 111 |
| Polytunnel Covers | 112 |
| Pots | 6-8, 23-33 |
| Pot Topper | 93 |
| Pot-less Trays | 20 |
| Porous Pipe | 179 |
| Poultry Manure | 64 |
| Power Sprayer | 79 |
| Pre-formed Liners | 47 |
| Pressure Compensating Dripper | 180 |
| Pressure Gauges | 205 |
| Pressure Reducing Valves | 164 |
| Pressure Relief Valve | 163 |
| Pressure Switch | 205 |
| Pressure Vessel | 204 |
| Printed Pots | 22 |
| Propagating - Misting | 169, 177 |
| Propagation Film | 114 |
| Propagation Trays | 21 |
| Propagator | 121 |
| Pruning Knife | 125 |
| Pruning Saws | 99 |
| PTFE Tape | 153 |
| Pulleys | 109 |
| Pump Control | 203 |
| Pumps - Submersible | 198 |
| PVC Fittings | 134 |

Q

| | |
|--------------------------|----------|
| Q4 Multi Purpose Compost | 49 |
| Quick Hose Couplings | 155, 191 |
| Quick Coupling Valve | 160 |

R

| | |
|---------------------------|----------|
| Rack & Pinion Systems | 104 |
| Rain Sensor | 167 |
| Rain Train | 183 |
| Rainfall Measure | 126 |
| Rainwater Pipe & Fittings | 150 |
| Rainwater Tanks | 197 |
| Rakes | 94 |
| Rattan Baskets | 42 |
| Redusol | 110 |
| Repair Couplers | 159 |
| Repair Tapes | 112 |
| Reservoir Liners | 196 |
| Residential Controllers | 168 |
| Respirators | 82 |
| Ridder Drive Systems | 104 |
| Rigger Boots | 88 |
| Rigger Gloves | 87 |
| Roller Traps | 71 |
| Rose Food | 64 |
| Rose Pots | 41 |
| Roses (Watering) | 187, 189 |
| Rotoframe Sprinklers | 182 |
| Rubber Gaskets | 139 |
| Rubber Gloves | 86 |
| Rubber Lined Pipe Clips | 153 |
| Rubber Ties | 91 |

S

| | |
|-------------------------------|-----|
| Saddles | 161 |
| Sand | 49 |
| Safety Boots | 88 |
| Safety Signs | 77 |
| Sand Filters | 175 |
| Saw | 99 |
| Scales | 127 |
| Screen Clips, Fittings & Wire | 103 |
| Sealing Tape | 115 |
| Secateurs | 98 |
| Seedling Nozzle | 187 |
| Shading (Netting) | 116 |
| Shading (Thermal Screens) | 103 |
| Shading Treatments | 110 |
| Sharpening Stones | 98 |
| S-Hooks | 109 |
| Shoe Knife | 125 |
| Shuttle Trays | 19 |
| Side Vent Film | 112 |
| Signal Clips | 76 |
| Signs | 77 |
| Silicone Sealant | 108 |
| Sinclair Compost | 52 |

| | |
|------------------------------|----------|
| Sled Base | 183 |
| Sleeves | 83 |
| Slug Control | 76 |
| Socks | 89 |
| Soil Moisture Meter | 126 |
| Soil Scoop | 97 |
| Soil Testing Kits (pH & NPK) | 126 |
| Solenoid Valves | 164 |
| Soluble Fertilisers | 65 |
| Solvents | 133 |
| Soparco | 41 |
| Spades | 94 |
| Spear & Jackson Tools | 96 |
| Sphagnum Moss | 46 |
| Sportsmaster Range | 92 |
| Spray Guns & Pistols | 80, 188 |
| Spray Stake | 181 |
| Sprayers | 80 |
| Sprayline Hooks | 133 |
| Sprayline Pipe | 133 |
| Spreader | 79 |
| Spring Balance | 127 |
| Springbok Rake | 94 |
| Sprinklers - Glasshouse | 176 |
| Sprinklers - Impact (Field) | 182 |
| Square Pots | 7, 30 |
| Square/Round Container | 31 |
| Stakes | 179 |
| Standpipes | 183 |
| Staple Guns/Staples | 124 |
| Sticky Traps | 71 |
| Stop Taps | 160 |
| Storage Tanks | 194, 197 |
| Straight Fertilisers | 65 |
| Streamline X Drip Tape | 178 |
| Stretch Wrap | 101 |
| String (Tomato) | 101 |
| Submersible Pumps | 198 |
| Substrate | 53 |
| Suction Hose | 185 |
| Sulphate of Iron Granular | 64 |
| Sulphur Burners (Sulfume) | 120 |
| Sunny Hose | 185 |
| Super Clips | 192 |
| Support Hooks | 133 |
| Surface Cleaners | 111 |
| Suspended Gutters | 100 |
| SwellGel | 46 |
| Swivel Couplings | 191 |
| Sylvagrow Peat Free Compost | 54 |
| Symbol Sheet | 116 |

T

| | |
|--------------------------------|---------------|
| Tanks & Liners - Water Storage | 194 |
| Tank Covers & Fittings | 195 |
| Tank Outlet | 138, 149, 195 |
| Tap Timers | 168 |
| Tape Tool | 123 |
| Tapes & Dispensors | 123 |
| Tefen Fittings | 145 |
| Telescopic Lance | 188 |
| Thermabed | 121 |
| Thermal Screens | 103 |
| Thermometers | 126 |
| Thermostats | 118 |
| Threaded Fittings | 148 |
| Threaded Rod | 153 |
| Thrip Predators | 75 |
| Tomato Hooks & Clips | 100 |
| Tomato Planter | 51 |
| Tools | 94 |
| Top Soil | 51 |
| Transport Trays | 9-13 |
| Travelling Sprinkler | 183 |
| Tree Guards | 91 |
| Tree Ties | 91 |
| Tree Trays | 20 |
| Tricoflex Hose | 184 |
| Trimming Knife | 124 |
| Trolley Sprayer | 80 |
| Trousers | 83 |
| Trowel | 95 |
| Truss Support Clips | 100 |
| Tub Trugs | 95 |
| Tubular Motors | 103 |
| Tunnel Covers | 112 |
| Tunnel Repair Tape | 112 |
| Turbo Spray Gun | 80 |
| Turf Fertilisers | 92 |
| Twin Wall Pipe | 132 |
| Twine | 101 |
| Tying Machines | 123 |
| Tylene Clips | 133 |

U

| | |
|----------------------------|-----|
| Utility Knife | 125 |
| Universal Bedding Packs | 14 |
| Universol Fertiliser Range | 60 |
| UV Disinfection | 175 |

V

| | |
|---------------------------------|---------------|
| Vacuum Release Valves | 165 |
| Valve Boxes | 168 |
| Valves - Ball Float | 195 |
| Valves - Metal | 162 |
| Valves - MDPE | 160 |
| Valves - Non Return | 140, 149, 162 |
| Valves - PVC | 140 |
| Valves - Solenoid | 164 |
| Variable Speed Controller | 208 |
| Vegetable Grow Bag | 51 |
| Vegetable Knife | 125 |
| Vent Wire & Accessories | 109 |
| Ventilation & Screening Systems | 103-107 |
| Ventilation Fans | 120 |
| Vermiculite | 52 |
| Verritex Pro | 111 |
| Viking Johnson Maxifit Fittings | 159 |
| Visqueen | 113 |
| Vitax Compost | 48 |

W

| | |
|--------------------------|----------|
| Waders | 85 |
| Wall Baskets | 42, 47 |
| Wall Plate Elbows | 157, 160 |
| Waste Water Pumps | 200 |
| Water Meters | 193 |
| Water Pump Couplings | 154 |
| Water Storage Tanks | 194 |
| Watering Cans | 93 |
| Watering Lances | 187-188 |
| Watering Tray | 102 |
| Waterproof Clothing | 83-85 |
| Weed Control Fabric | 115 |
| Weed, Feed & Moss Killer | 50, 92 |
| Weighing Scales | 127 |
| Well Pumps | 200 |
| Wellingtons | 90 |
| Wetting Agent | 60 |
| Wheelbarrows | 91 |
| White Groundcover | 115 |
| Whitefly Predators | 74 |
| Wicker Baskets | 42 |
| Winch | 109 |
| Windbreak | 116 |
| Wire | 109 |
| Wire Baskets | 46 |
| Wire Rope | 109 |
| Wire Strainers | 109 |
| Work Clothing | 83 |
| Worm Drive Hose Clips | 192 |
| Woven Hose | 204 |
| Wrench (MDPE) | 160 |
| Wrought Iron Baskets | 46 |

Y

| | |
|------------------|----|
| Yara Fertilisers | 65 |
| Yard Brushes | 95 |

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E. & O.E.

Terms & Conditions

1. GENERAL.

In these terms and conditions the "Company" means LS Systems Ltd, the "Customer" means the person, firm, or company who purchases Goods from the Company, the "Goods" means any goods agreed in the contract to be supplied by the Company to the Customer, the "Contract" means any contract between the Company and the Customer for the sale and purchase of the Goods which incorporates these terms and conditions.

- No terms, conditions, warranties, reservations, or stipulations by the Customer and no course of dealings shall annul, vary or add to any of these terms and conditions except where expressly consented to by the Company in writing.
- No relaxation, forbearance, delay or indulgence of the Company in enforcing any of its rights shall affect prejudice or restrict such rights and any waiver of the Company in respect of any breach of contract by the Customer shall not operate as a waiver of any subsequent or continuing breach.
- These terms and conditions and any Contract are governed by English Law and the Company and the Customer agree to submit to exclusive jurisdiction of the courts of England and Wales.
- All samples, descriptive matter, specifications and advertising issued by the Company and any descriptions or illustrations contained in the Company's buyers guide, brochures or websites are issued or published for the sole purpose of giving an approximate idea of the goods described therein and shall not form part of the Contract between the Company and the Buyer.
- For comprehensive terms and conditions relating to any installed project, site or service work please refer to our Sales Office on 01772 812484.

2. PRICE.

- All prices quoted by the Company in the buyers guide, brochures or websites are correct at the time of going to print.
- All prices quoted by the Company in any written quotation are valid for 30 days provided that the Company has not previously withdrawn it. The Company does endeavour to maintain these prices, however, due to factors beyond the Company's control e.g. currency fluctuations, raw materials increase etc. the Company reserves the right to alter the price of any Goods without prior notice.
- The Company reserves the right to terminate the Contract (without any liability to the Company whatsoever or howsoever arising) if the Customer is not willing to pay an increase in the price of Goods.
- All prices exclude V.A.T. which shall be charged at the rate applicable at the date of invoice.
- The price of carriage of the Goods shall be borne by the Customer.

3. PAYMENT OF ACCOUNTS.

- All transactions over the trade counter not made by credit account customers are payable at the point of sale.
- Payment for credit account customers is strictly twenty-eight days from the date of invoice.
- Time for payment shall be of the essence.
- If the Customer fails to pay to the Company any sum by the due date then the Customer shall be liable to pay interest to the Company on such sum from the due date of payment at the rate of 2% above the base lending rate from time to time of the Company's bank accruing on a daily basis until payment is made and/or (at the Company's sole discretion) the Company shall be entitled to claim interest under the Late Payment of Commercial Debts (Interest) Act 1998 notwithstanding that such claim or claims to interest and/or to surcharges for non-payment have been waived by the Company in the past.
- If the account remains unpaid after twenty-eight days then the Company reserves the right to sue for damages and to withdraw all credit facilities. If any further Goods are supplied they may be on a cash with order basis.
- All costs including legal fees incurred by the Company in collection of overdue accounts or in enforcing repossession as hereinafter provided shall be payable by the Customer.
- The Company reserves the right to re-impose without notice any discounts that have been allowed of payment is not made in full by the due date.
- If Goods are agreed to be paid by instalments and a payment is missed then the total amount payable for the Goods shall become immediately due and payable.
- The Customer shall make all payments due to the Company without any deduction whether by of set-off, counterclaim, discount or abatement or otherwise.

4. DELIVERY.

- Time is not of the essence for delivery, and any delivery dates are estimates only.
- Any goods dispatched in error shall be returned in good condition to the Company by the Customer at which time the Company shall credit the Customer in full.
- The Customer shall advise the Company of any non-delivery of whole or part of the consignment within 3 days of the date of delivery.
- If the Customer does not return the Goods within seven days they shall have been deemed to have accepted the Goods. Where any Goods are returned to the Company in accordance with the time limit specified in this clause 4, the Goods returned must be accompanied by a note to explain the reason for return for consideration by the Company.
- All deliveries shall be made to the address specified at the time of order. If for any reason the Customer fails to accept the Goods at the address or date specified by the Company then the Company reserves the right to (i) store the Goods, at the Customer's sole expense, until such time that the Goods are either collected or delivered or (ii) (at the Company's sole discretion) dispose of the Goods.
- The return of correctly dispatched Goods of saleable quality shall be subjected to a 10% restocking charge plus any delivery charges. The minimum restocking charge is £10.00 plus any delivery charges.
- Orders for non-stocked, special or custom-built assemblies cannot be terminated by the Customer once the order has been accepted by the Company.
- Subject to the provision of clause 6, the Customer shall not be entitled to terminate the Contract or reject the Goods by reason of any minor defects on quality, number, size, colour or finish of the Goods.
- Where deliveries are by instalments, any defects found in one instalment delivered shall not entitle the Customer to reject future instalments.
- Where part deliveries are agreed with the Customer, additional delivery charges will be made by the Company for all additional deliveries.

5. PESTICIDES.

- The Customer warrants and undertakes that any pesticides sold by the Company will be used by competent and qualified end users and that the Customer has the necessary skill and technical knowledge to comply with the provisions of the Food and Environment protection Act 1985 and any other relevant legislation, statutes, regulations or other industry standards in the use of pesticides.
- No pesticide will be left with a Customer without receiving a signed delivery note.
- All pesticides are sold on the agreement that they are used strictly according to the latest approved recommendations for that product.
When using pesticides always read the label carefully before use.

6. LIABILITY.

- The Company is not a manufacturing company but merely acts as a reseller and is therefore not responsible for the manufacture of any goods sold.

- All warranties, conditions and other terms implied by statute or common law are, subject to clause 6 (c), to the fullest extent permitted by law excluded from these terms and conditions and any contract.
- Nothing in these terms and conditions or the Contract excludes or limits the liability of the Company for death or personal injury caused by the Company's negligence, or under section 2(3) of the Consumer Protection Act 1987 or for any matter which it would be illegal for the Company to exclude or attempt to exclude its liability, or for fraud or fraudulent misrepresentations.
- subject to clause 6(b) and 6(c) :**
d(ii) The Company's total liability in contract, tort (including negligence or breach of statutory duty, misrepresentation, restitution or otherwise arising in connection with the performance or contemplated performance by the Company of the Contract shall be limited to either the supply of replacement Goods, or the repair of the Goods (to the limit of the invoice price) or reimbursement not exceeding the invoice price for the Goods; and
d(ii) the Company shall not be liable to the Customer for any pure economic loss, loss of profit, loss of business, depletion of goodwill or otherwise, in each case whether direct or indirect consequential, or any claims for consequential compensation whatsoever (howsoever caused) which arising out of or in connection with these terms of business or the Contract include late or non delivery of the Goods.
- It is the responsibility of the Customer to check the suitability and condition of all Goods supplied by the Company before use.
- Allegedly faulty goods must be returned to us for inspection within seven days of purchase.**
- Nothing in these terms or conditions shall affect the statutory rights of a Customer who deals as a "Consumer" as defined in the Unfair Contract Terms Act 1977.

7. SUB CONTRACT.

The Company reserves the right to sub-contract part or all of any Contract with any Customer without prior notice to the Customer.

8. CONTRACT RIGHTS OF THIRD PARTIES.

It is agreed that the Contract Rights of Third Parties Act 1999 shall not apply to the Contract and no person, other than the Company and/or Customer shall be entitled to enforce the Contract.

9. FORCE MAJEURE.

The Company shall have no liability to the Customer under the Contract if it is prevented in performing its obligations under the Contract or from carrying its business by acts, events omissions, accidents beyond the Company's reasonable control, including but not limited to strikes, industrial disputes, lock-outs, accidents, war, acts of Gods, civil commotion, malicious damage, fire, reductions in or unavailability of power at manufacturing plant or shortage or unavailability of raw materials from normal sources or routes of supply or default of any sub contractor.

10. TITLE OF GOODS.

- The goods shall remain the property of the Company until it is paid for in full by the Customer or until such payment The Customer shall
(i) hold the Goods and all items incorporating the Goods as bailee on behalf of and in a fiduciary capacity for the Company; and
(ii) store the Goods (at no cost to the Company) separately from all other Goods of the Customer or any third party and in such a way as to be identifiable as the property of The Company; and
(iii) not destroy, deface or obscure any identifying mark or packaging on or relating to the Goods; and
(iv) maintain the Goods in satisfactory condition and keep them insured for their full price against all risks to the reasonable satisfaction of the Company.
- Notwithstanding anything contained in this Clause 10 the Customer shall be entitled to sell the goods to a third party in the normal course of business and to deliver them on the condition that as long as The Customer has not fully discharged all monies due to The Company the Customer shall be obliged to account to the Company with the proceeds of sale of the Goods which proceeds shall be kept separate and identifiable from The Customer's own monies.
- In the event of the Customer not fully discharging all monies due to the Company, or if the Customer should become bankrupt or, in the case of a Company, become insolvent, or in the opinion of the Company the Company believes that the Customer is about to suffer bankruptcy, insolvency or any other similar or analogous action, or the Customer ceases or threatens to cease trading then the Company shall be entitled to immediately, after giving notice of their intention to repossess, to enter upon the premises of the Customer with such transport as may be necessary and repossess and Goods to which they have title hereunder.

11. CUSTOMER INSURANCE.

- Risk of damage to the Goods supplied passes to the Customer on dispatch from the Company's premises.
- Pending payment of the full price of the Goods the Customer shall be required to keep the Goods insured for their full price against all risks to the reasonable satisfaction of the Company.
- The Customer declares that it holds any insurance proceeds on trust to pay the same to the Company up to the amount of the invoice price for the Goods supplied.

12. CREDIT FACILITIES.

It is necessary for all new customers wishing to open a credit account to supply suitable credit references on the Account Application Form found overleaf.

13. DATA PROTECTION.

Personal information about the Customer may be stored safely and securely by the Company and used within the Company for marketing and accounting purposes. The Company may also share information about Customer accounts with other lenders through credit reference agencies and directly with other traders. This information is used only to make credit granting decisions or for fraud prevention. When Customers apply for credit the Company may consult credit reference agencies, who may record the search. The Company reserves the right to refuse applications. If the Customer has severe problems with repayments the Company may pass the Customer's name to a debt collection agency.

14. WARRANTY.

Manufacturer's guarantees and warranties will only be valid if products are installed and used in accordance with Manufacturers instructions.

15. SERVICE.

All equipment requiring service for guarantee claims or otherwise, must be returned to the Company at The Customer's expense. A return carriage charge will be made after the work is complete. If "on site" work is required please contact our sales office for a listing of our current service/call out charge rates.