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HORTICULTURAL,  
IRRIGATION AND  
LANDSCAPE  
SUPPLIES

# BUYERS' GUIDE



**SYSTEMS**  
LIMITED





# Welcome to the 2024 Buyers' Guide

## Sales

### Dionne McDonald

Office Sales  
T: 01772 817926  
dionne.mcdonald@lssystems.co.uk

### Ben McDonald

Irrigation Sales  
T: 01772 817933  
ben.mcdonald@lssystems.co.uk

### Tracey Brand

Office Sales - Allotments & Xmas Products  
T: 01772 817991  
tracey.brand@lssystems.co.uk

### Nigel Crosby

Technical Field Sales - North West England  
M: 07872 129327  
nigel.crosby@lssystems.co.uk

### Sandra Robinson

Technical Field Sales - North West England & Wales  
M: 07496 245432  
sandra.robinson@lssystems.co.uk

### Simon Myerscough

Biological Control, Marketing & IT  
T: 01772 817915  
simon.myerscough@lssystems.co.uk

## Office Sales & Product Support

### Cora Williams

Office Sales & Product Support  
T: 01772 817939  
cora.williams@lssystems.co.uk

## Design & Website

### Neil Horner

CAD Design & Website  
T: 01772 817919  
neil.horner@lssystems.co.uk

## Installation, Projects & Service

### Mark 'Eddy' Francis

Office Sales  
T: 01772 817912  
mark.francis@lssystems.co.uk

### Chris Townsend

Senior Installer

## Shop / Collections

### Dan Johnston

Shop Manager  
T: 01772 817921  
dan.johnston@lssystems.co.uk

## Goods In

### Robert Eatough

robert.eatough@lssystems.co.uk

## Goods Out

### Gary Morris

gary.morris@lssystems.co.uk

## Counter Service

### Anthony Ashley

anthony.ashley@lssystems.co.uk

### Liam Taylor

liam.taylor@lssystems.co.uk

## Finance

### Sarah Wareing

Management Accountant  
T: 01772 812484  
sarah.wareing@lssystems.co.uk

### Weronika Gdula

Finance  
T: 01772 812484  
weronika.gdula@lssystems.co.uk

### Leane Carey

Finance  
T: 01772 812484  
leanne.carey@lssystems.co.uk

## Management

### Keith Ball MBPR(hort)

CEO  
keith.ball@lssystems.co.uk

### Celanie Ball

Company Secretary  
celanie.ball@lssystems.co.uk

### Darren McDonald MBPR(hort) BTLIA Diploma in Turf & Landscape

Managing Director  
BASIS Advisor / Turnkey Projects  
T: 01772 817917  
darren.mcdonald@lssystems.co.uk

Company Reg. No. 02329261

VAT No. GB 483 6445 20

# The 2024 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

All orders, delivery is £10. Use of forklift will incur an additional charge of £25.

#### Area 2

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

All orders, delivery is £15. Use of forklift will incur an additional charge of £25.

#### Area 3

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

All orders, delivery is £20. Use of forklift will incur an additional charge of £25.

#### Area 4

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

All orders, delivery is £20. Use of forklift will incur an additional charge of £25.

#### 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

<b>POTS, TRAYS &amp; BASKETS</b>	<b>6 - 49</b>
<b>COMPOST, FERTILISERS &amp; PEST CONTROL</b>	<b>50-79</b>
<b>LANDSCAPE &amp; AMENITY</b>	<b>80-101</b>
<b>GLASSHOUSE PARTS &amp; ACCESSORIES</b>	<b>102-113</b>
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<b>PLANT, MACHINERY &amp; SYSTEMS</b> Air Movement Fans & Gas, Oil & Electric Heaters	<b>120-123</b>
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## 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**<sup>®</sup>



A WAY FOR YOU

MODEE11203	MODEE11202
	
<b>TRANSPORT TRAY</b>	<b>TRANSPORT TRAY</b>
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
<b>PRICE PER 1,000</b>	<b>PRICE PER 1,000</b>



**EcoExpert**

MODEE10602	MODEE10803	MODEE10802	MODEE10604
			
<b>TRANSPORT TRAY</b>	<b>TRANSPORT TRAY</b>	<b>TRANSPORT TRAY</b>	<b>TRANSPORT TRAY</b>
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
<b>PRICE PER 1,000</b>	<b>PRICE PER 1,000</b>	<b>PRICE PER 1,000</b>	<b>PRICE PER 1,000</b>

MODEE10603	MODEE10301
	
<b>TRANSPORT TRAY</b>	<b>TRANSPORT TRAY</b>
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	
<b>PRICE PER 1,000</b>	<b>PRICE PER 1,000</b>



# 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><div>PRICE PER 1,000</div></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><div>PRICE PER 1,000</div></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><div>PRICE PER 1,000</div></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><div>PRICE PER 1,000</div></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><div>PRICE/1,000</div></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><div>PRICE/1,000</div></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><div>PRICE/1,000</div></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><div>PRICE/1,000</div></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><div>PRICE/1,000</div></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><div>PRICE/1,000</div></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><div>PRICE/1,000</div></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><div>PRICE/1,000</div></div>

# TRANSPORT TRAYS





## MODIFORM Normpack® 400 Series


**NORMPACK®**

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

MOD3586	MOD3578	MOD3510	MOD3518
 <p><b>Normpack® 486</b> 6 x 15 cm</p> <p>56 x 25 cm</p> <p>6 cm</p> <p>1,600</p> <p>5</p> <p>3 x 14 mm</p>	 <p><b>Normpack® 478</b> 8 x 13 cm</p> <p>56 x 25 cm</p> <p>5 cm</p> <p>1,600</p> <p>5</p> <p>4 x 12 mm</p>	 <p><b>Normpack® 410</b> 10 x 11/10.5/10 cm</p> <p>56 x 25 cm</p> <p>7 cm</p> <p>1,600</p> <p>5</p> <p>4 x 12 mm</p>	 <p><b>Normpack® 418</b> 18 x 9 cm</p> <p>56 x 25 cm</p> <p>5 cm</p> <p>1,600</p> <p>5</p> <p>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><b>Normpack® 236</b> 6/5 x 13 cm</p> <p>40 x 28 cm</p> <p>7 cm</p> <p>2,400</p> <p>6</p> <p>4 x 12 mm</p>	 <p><b>Normpack® 209</b> 9 x 9.5/10/10.5 cm</p> <p>40 x 28 cm</p> <p>6.5 cm</p> <p>2,400</p> <p>6</p> <p>3 x 9.5 mm</p>	 <p><b>Normpack® 244</b> 12 x 9 cm</p> <p>40 x 28 cm</p> <p>6 cm</p> <p>2,400</p> <p>6</p> <p>4 x 12 mm</p>	 <p><b>Normpack® 212</b> 12 x 8/8.5/9 cm</p> <p>40 x 28 cm</p> <p>6 cm</p> <p>2,400</p> <p>6</p> <p>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



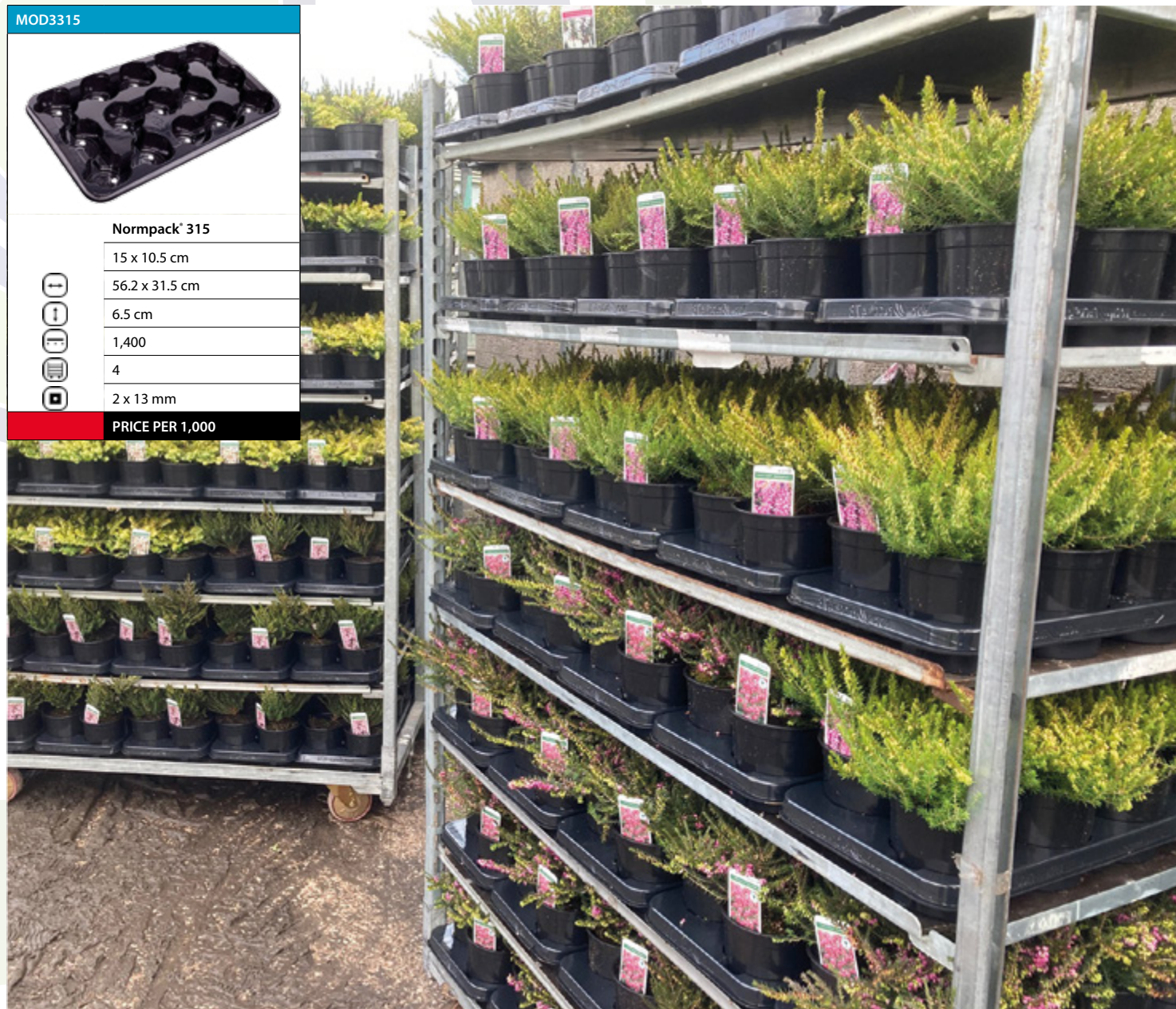
A WAY FOR YOU

**NORMPACK®**

MOD3306	MOD3326	MOD3308	MOD3312
			
<b>Normpack® 306</b>	<b>Normpack® 326</b>	<b>Normpack® 308</b>	<b>Normpack® 312</b>
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

<b>Normpack® 315</b>
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><b>UBP 4</b></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><b>UBP 6</b></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><b>UBP 9</b></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><b>UBP 12</b></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><b>CARRIER 6x (BLACK PET)</b></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><b>CARRY HANDLE 40 cm</b></p> <p>1,000</p>	 <p><b>CARRY HANDLE 50 cm</b></p> <p>1,000</p>
PRICE PER 1,000	PRICE PER 1,000



# BEDDING PACKS

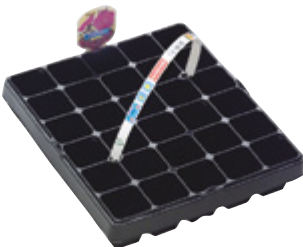





A WAY FOR YOU

## MODIFORM Bedding Packs for Pots

MOD7319	MOD7317	MOD7413	MOD7314
			
<b>RETAIL PACK</b>	<b>RETAIL PACK</b>	<b>CARRYPACK</b>	<b>CARRYPACK</b>
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
		
<b>CARRYPACK</b>	<b>CARRYPACK</b>	<b>CARRYPACK</b>
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
			
<b>HOBBY TRAY 30</b>	<b>HOBBY TRAY 20</b>	<b>HOBBY TRAY 20</b>	<b>HOBBY TRAY CARRIER</b>
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

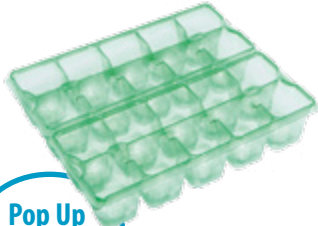



## MODIFORM Bedding Packs



A WAY FOR YOU

MOD3610	MOD3608	MOD7490	
			
<b>CARRYPACK</b>	<b>CARRYPACK</b>	<b>CARRYPACK</b>	
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
			
<b>CARRYPACK</b>	<b>CARRYPACK SQ/RD</b>	<b>CARRYPACK</b>	<b>CARRYPACK</b>
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	
			
<b>CLAYETTE 2 x 10</b>	<b>CLAYETTE 2 x 10</b>	<b>CLAYETTE 2 x 10</b>	
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

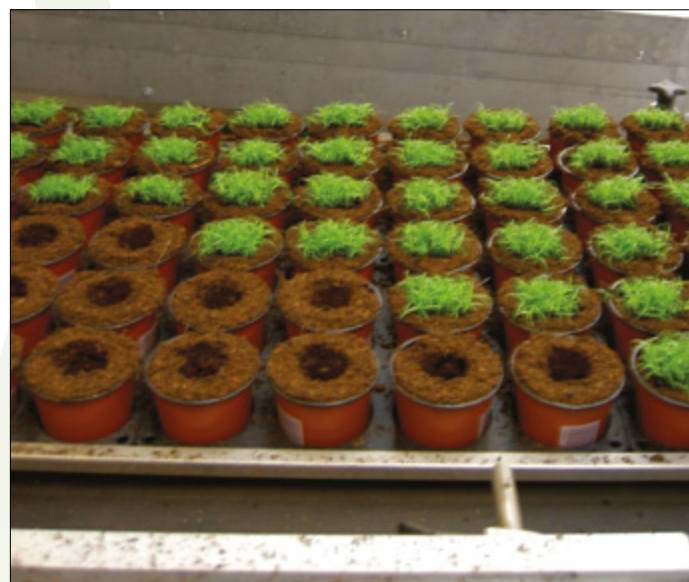
## MODIFORM Bedding Packs







A WAY FOR YOU

MOD7498	MOD7686	MOD7697	MOD7680
			
<b>ENDPACK 4</b>	<b>ENDPACK 6</b>	<b>ENDPACK 6</b>	<b>ENDPACK 6</b>
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
	
<b>ENDPACK 2 x 6</b>	<b>ENDPACK 2 x 6</b>
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
			
<b>ENDPACK 6</b>	<b>ENDPACK 8</b>	<b>ENDPACK 10</b>	<b>CARRIER</b>
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








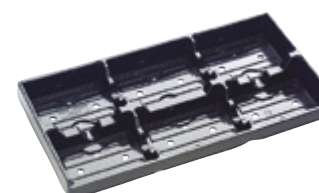


# BEDDING PACKS

## MODIFORM Bedding Packs



A WAY FOR YOU

MOD7556	MOD7560	MOD2042	MOD2000
 <p><b>ENDPACK 2 x 6</b></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><b>ENDPACK 2 x 10</b></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><b>CARRIER</b></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><b>EURO WATERING TRAY</b></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><b>ENDPACK 6</b></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><b>CARRIER</b></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><b>ENDPACK 6</b></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><b>CARRIER</b></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><b>INSERT TRAY</b> Half Euro Box</p> <p>38 x 28.8 cm</p> <p>3.5 cm</p> <p>12,000</p> <p>400</p>	 <p><b>OPEN TRAY</b></p> <p>59.5 x 40 cm</p> <p>6.5 cm</p> <p>1,800</p>	 <p><b>DANISH TROLLEY TRAY</b> 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
<b>POT-LESS TRAY 28</b>	<b>POT-LESS TRAY 40</b>
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
<b>BOMENTRAY 28</b>	<b>BOMENTRAY 40</b>	<b>BOMENTRAY 45</b>	<b>BOMENTRAY 60</b>
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






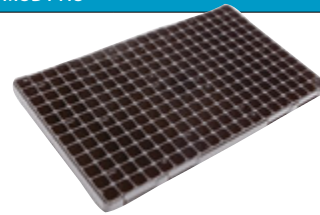






# PLUG TRAYS

## MODIFORM Multi-cell Propagation Trays



A WAY FOR YOU

<b>MOD1531</b>  <b>MULTITRAY 51</b> <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>	<b>MOD1405</b>  <b>TRANSPLANT 84</b> <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>	<b>MOD2352</b>  <b>TRANSPLANT 84</b> <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>	<b>MOD1408</b>  <b>QUICK PLUG 104</b> <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>
<b>MOD1562</b>  <b>MULTITRAY 104</b> <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>	<b>MOD1413</b>  <b>QUICK PLUG 240</b> <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 m<sup>2</sup></div> <div>With bottom holes</div> <div>Push-out plate</div> </div>	
<b>MOD1440</b>  <b>QUICK PLUG 264</b> <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>	<b>MOD1426</b>  <b>QUICK PLUG 360</b> <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>	<b>MOD2735</b>  <b>QUICK PLUG 480</b> <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>	<b>MOD2181</b>  <b>QUICK PLUG 480</b> <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

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	

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



# 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 <sup>1)</sup>

### Characteristics:

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



[www.blauer-engel.de/uz30a](http://www.blauer-engel.de/uz30a)



## Baseline

### Characteristics:

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



## Recyclable

### Characteristics:

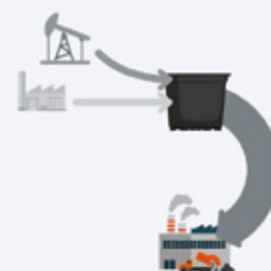
- + Made of
  - Plastic = PCR <sup>2)</sup> / PIR <sup>3)</sup> / Virgin material
  - Colour (Masterbatch)
  - Filler
- + Certified
  - 100% recyclable <sup>4)</sup>
- + Printable



## Black

### Characteristics:

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



<sup>2)</sup> PIR = Post-Industrial Recycling Material

<sup>4)</sup> Certified according to cyclops-HTP

<sup>5)</sup> 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)

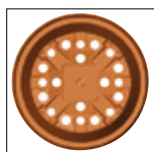
A rigid pot from Teku with multi hole profile bottom - the 5.5 cm has normal profile bottom.

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)

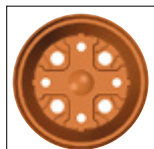
8° plant pots as required by the modern grower today. Multiple bottom holes for optimum cultivation in all irrigation systems and for efficient handling on potting machines. These round pots type **Series TO** distinguish themselves by the natural design of a clay pot, yet with all the advantages offered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

Standard colours:

Circular terracotta

Circular360:

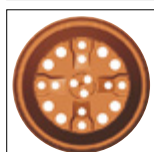
Post Consumer Recycling Material - Household Waste



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

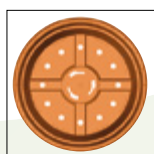
Series MCI

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



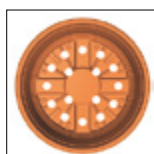
## Tekucotta Bowls

### 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)

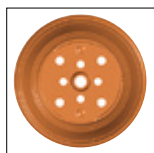
These bowls look like terracotta, are named Tekucotta, and are made of plastic.

Standard colours:

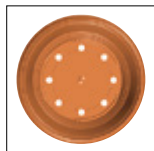
PCR terracotta

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



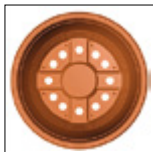
## Decorative Pots

### 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	<b>MHB 33</b> (sold separately)	Anthracite Pine Green Terracotta White	46			3,680
TEKMAL250XX	25.0 cm	15.4 cm	5.0 L	<b>MHB 38</b> (sold separately)	Anthracite Pine Green Terracotta White	46			2,760
TEKMAL270XX	27.0 cm	16.4 cm	6.0 L	<b>MHB 45</b> (sold separately)	Anthracite Pine Green Terracotta White	46			2,208
TEKCA300XX	30.0 cm	18.3 cm	7.7 L	<b>MHA 60</b> (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	<b>MHB 33</b> (sold separately)	Blackberry Light Green	46			3,680
TEKMAL250XX	25.0 cm	15.4 cm	5.0 L	<b>MHB 38</b> (sold separately)	Yellow Orange	46			2,760
TEKMAL270XX	27.0 cm	16.4 cm	6.0 L	<b>MHB 45</b> (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

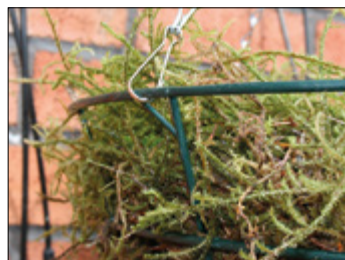
Robust hanging basket bracket in black. Easily fixes to exterior walls.



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) & 2m<sup>3</sup> 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 <sup>3</sup>
Added lime:	3.125 kg/m <sup>3</sup>
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 <sup>3</sup>
Added lime:	3.5 kg/m <sup>3</sup>
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 <sup>3</sup>
Added lime:	2.7 kg/m <sup>3</sup>
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 <sup>3</sup>
Added lime:	3.5 kg/m <sup>3</sup>
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

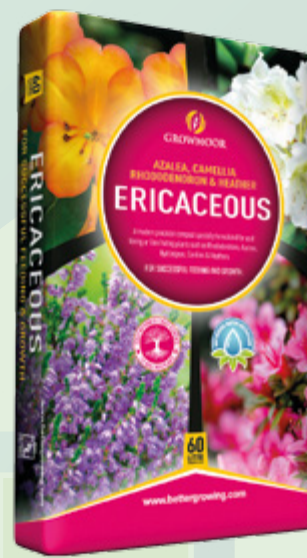


GRO50FYM

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
- 350m<sup>2</sup> Bag



Price [350m<sup>2</sup>]:

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 4m<sup>2</sup>

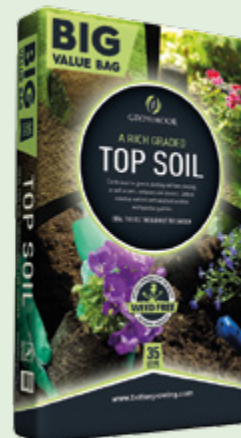


**WES90LANB**

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 P<sub>2</sub>O<sub>5</sub> 224 K<sub>2</sub>O 384 g/m<sup>3</sup>  
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 P<sub>2</sub>O<sub>5</sub> 170 K<sub>2</sub>O 249 g/m<sup>3</sup>  
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  
P<sub>2</sub>O<sub>5</sub> 140  
K<sub>2</sub>O 240 g/m<sup>3</sup>  
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

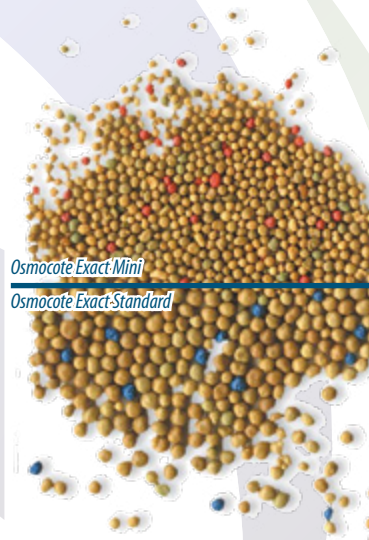
#### Mini

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 CaNo<sub>3</sub>, 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 HCO<sub>3</sub><sup>-</sup> 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
FERTOKEPL5L	Omex Kelpak	5 L	
FERTOKEPL25L	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

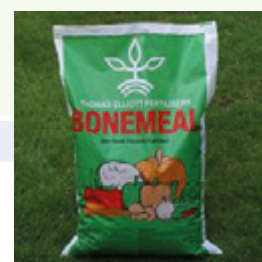
An organic-based general purpose plant food which provides the major nutrients required for strong healthy growth.



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 <sup>3</sup> 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 <sup>2</sup> 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
 <b>Bonzi</b> 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	
 <b>dazide ENHANCE</b> WEED INHIBITOR DEFENSE	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 & MOLLUSCICIDES

Always Read The Label - Use Chemicals Safely

PRODUCT	MAPP NUMBER	ACTIVE INGREDIENT	CONTROL	MAXIMUM RATE	SIZE	PRICE
<b>BOTANIGARD WP</b>	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	
<b>DiPel DF</b>	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	
<b>ERADICOAT MAX</b>	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	
<b>FLORAMITE 240 SC</b>	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	
<b>GAZELLE SG</b>	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	
<b>NATURALIS-L</b>	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	
<b>PITCHER GR</b>	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	
<b>PYRETHRUM SEC</b>	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	
<b>SEQUOIA</b>	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	
<b>SPRUZIT</b>	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 2500m<sup>2</sup> 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<sup>®</sup> 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<sup>®</sup> 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 1,000m<sup>2</sup>. In polytunnels use two introduction points per 500m<sup>2</sup>.

- 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	

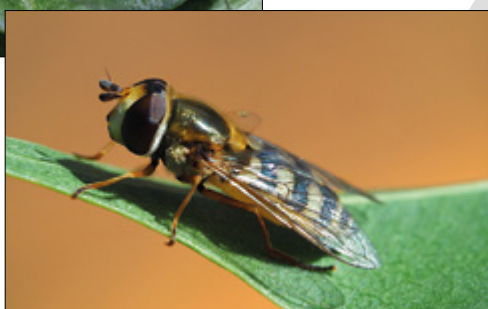


# BIOLOGICAL CONTROL



## *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	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]

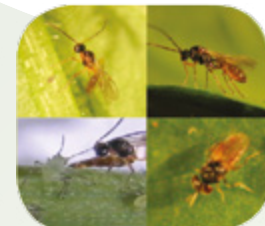
Parasitic wasps for control of several species of aphid.



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 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 - 200m<sup>2</sup>



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]

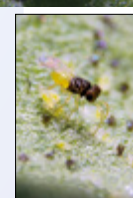
Big infestations of whiteflies are difficult to control with parasitic wasps only. In certain crops the grower can count on the beetle *Delphastus pusillus*, which wipes out whitefly hot spots efficiently.



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

## *Encarsia formosa* [Encarsia-System]

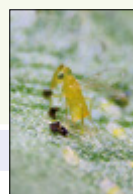
*Encarsia* lays its eggs inside whitefly larvae. Parasitized whitefly pupae turn black, which makes it easy to check parasitic wasp's activity. Instead of whiteflies, new parasitic wasps emerge from the black pupae. *Encarsia* also feeds on young whitefly larvae (host feeding). BioBest Encarsia-System 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	AMBLYPEIUS-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	
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XAAZ120952	5 L bucket: 500,000 mites Carrier: bran with factitious prey	
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CODE	AMBLYPEIUS-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	

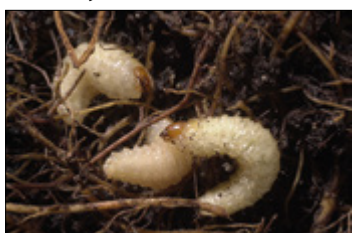


# BIOLOGICAL CONTROL



## *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]

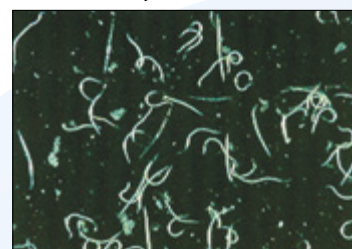
Cryptolaemus is a predatory ladybug beetle. Adults and larvae are voracious predators of every stage of mealybug.



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

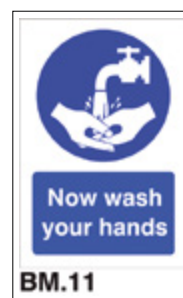
- » 3mm Rigid Plastic
- » Size: 240 x 360mm



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

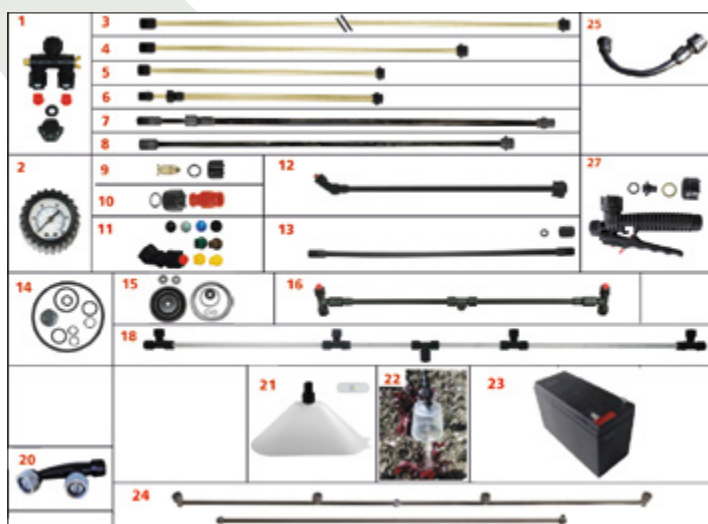


CODE	MODEL	PRICE
SOL425	Solo 15L Knapsack Piston Pump	
SOL435	Solo 20L Knapsack Piston Pump	
SOL475	Solo 15L Knapsack Diaphragm Pump	



### 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/m<sup>2</sup>
- Water column: H<sub>2</sub>O: > 8000 mm Trousers, > 15000 Jacket
- Breathability: 5000 g/m<sup>2</sup>/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: H<sub>2</sub>O: > 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: H<sub>2</sub>O: > 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: H<sub>2</sub>O: > 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: H<sub>2</sub>O: > 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	

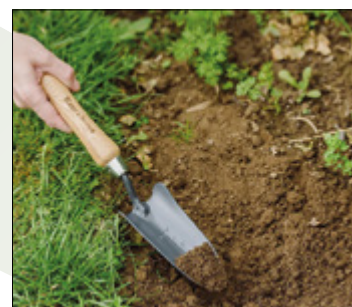
## Hand Trowel

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

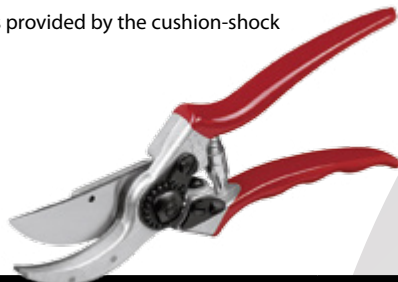
One-hand pruning shear | High performance | Classic model

**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

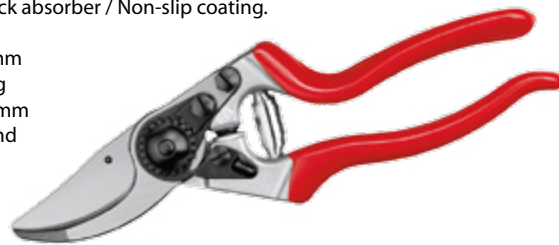
One-hand pruning shear | High performance | Ergonomic

**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

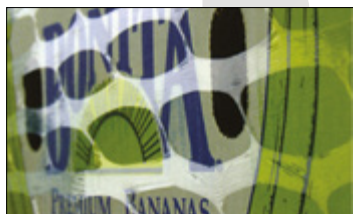
It is made using a carefully controlled formula of plastic compounds, giving the film a powerful ability to grip the load.

### 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

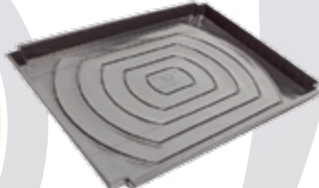


**Screen Peg**  
For securing labels

## 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 5/8" 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.



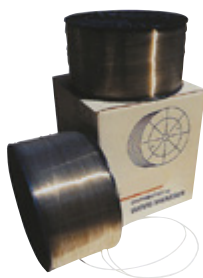
### S-Hook

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 <sup>2</sup>
			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 <sup>2</sup>
			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	
<b>RI550032</b>	<b>RB50E-3.5 0.16kW 3.5rpm</b>	
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: 8-12m<sup>2</sup> 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: 8-12m<sup>2</sup> 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.

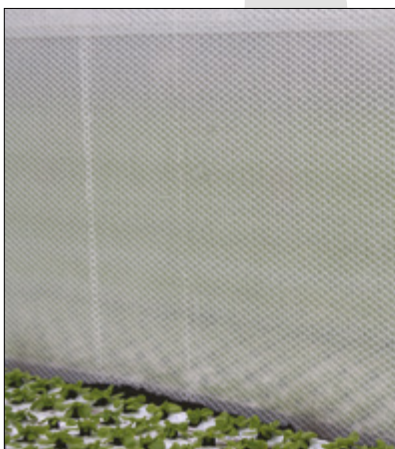
The uncertain weather conditions we experience can sometimes lead to a rush in demand and hence stretch our resources. Therefore, it is advisable that growers keep their own stock on their nursery.



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

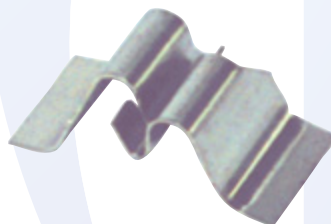
Personnel frame: 650(L) x 650(W) x 750(H) mm

Overall size: 2800(L) x 1000(W) x 750(H) mm



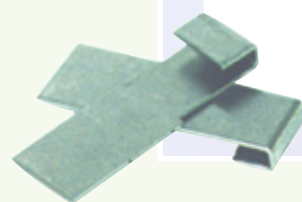
CODE	DESCRIPTION	PRICE
GLAMA	Glasshouse Maintenance Aid	

## Glazing Clip - 'W'



CODE	PACK	PRICE
GLA064	100	

## Glazing Clip



CODE	PACK	PRICE
GLA112	100	

## Glass Lifter - Single



CODE	PRICE
GLA078	

## Glass Lifter - Double



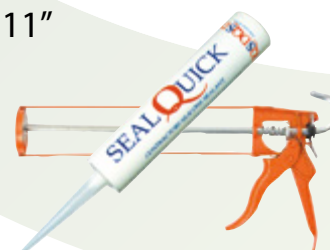
CODE	PRICE
GLA077	

## Glass Cutter



CODE	PRICE
GLAB01000	




## 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

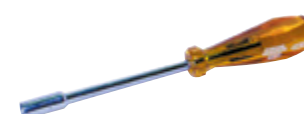
## Bulldog Grips



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	

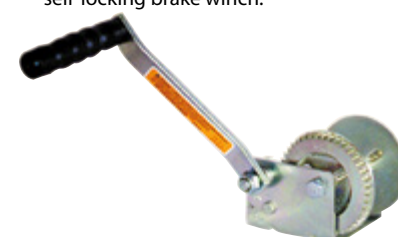
## S-Hooks

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 74.7m<sup>2</sup>  
 Circle - 142mm C2C - Pots 57.7m<sup>2</sup>  
 Triangle - 166mm C2C - Pots 42.9m<sup>2</sup>  
 Square - 199mm C2C - Pots 30.2m<sup>2</sup>



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 <sup>2</sup>
POLAC50	200 / 50	various		

### CO<sub>2</sub> Layflat Tubing (85μM)

Used to distribute CO<sub>2</sub> around the greenhouse. Increased CO<sub>2</sub> 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/m<sup>2</sup> - helping to provide leading water retention
- Weight: 275g/m<sup>2</sup>
- 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/m<sup>2</sup> 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...


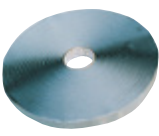

### Specification:

- Woven polypropylene
- 100g/m<sup>2</sup>



CODE	WIDTH	LENGTH	PRICE
GCP330100W	3.30m	100m	
GCP515100W	5.15m	100m	

## Groundcover Accessories

CODE	DESCRIPTION	PRICE
GCEP	 <b>Groundcover Economy Peg</b> Used in securing fleece and ground cover materials.	
GCT	 <b>Sealing Tape 19mm</b> 45m, for joining ground-cover rolls together and securing to the surface.	
GCS	 <b>Staples</b> 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	

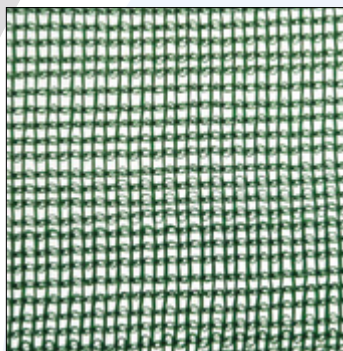


# WINDBREAK & EXTRUDED PLASTIC



## 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.



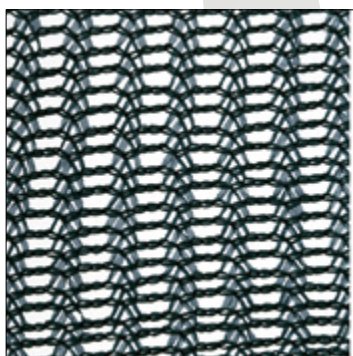
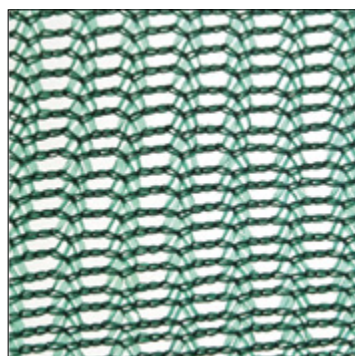
## Windbreak: Loktex

### 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.

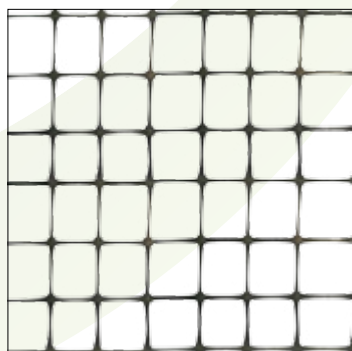
- Tunnel and shade houses
- Fruit and crop protection



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 CO<sub>2</sub> Generator

Direct oil-fired heater with high efficiency burner and 'low noise' fan - ideal for CO<sub>2</sub> 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 <sup>3</sup> /hr		
ERMAP		Air Pot Air Eliminator			

### Ermaf GP Range Gas Fired Hot-Air Blower

- Heating of greenhouses
- Enriching the CO<sub>2</sub> 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 <sup>3</sup> /hr	
ERMGP120	GP 120	409K Bthu (120kW)	7,500m <sup>3</sup> /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	<b>EPOA</b>  <b>Various combinations and setups available on request</b>
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 100m<sup>2</sup>
- **Mistraal 10** suitable for areas up to 200m<sup>2</sup>
- **Mistraal 24** suitable for areas up to 500m<sup>2</sup>



CODE	MODEL	V	RPM	OUTPUT	PRICE
HHFM05	Mistraal 5	220/240	1,275	900m <sup>3</sup> /hr	
HHFM10	Mistraal 10	220/240	1,300	1,600m <sup>3</sup> /hr	
HHFM24	Mistraal 24	220/240	1400	4,000m <sup>3</sup> /hr	

### Cylindrical Air Circulation Fans (ACF)

- Air circulation in greenhouses
- Reduction of condensate on plants
- Better heat distribution in greenhouses

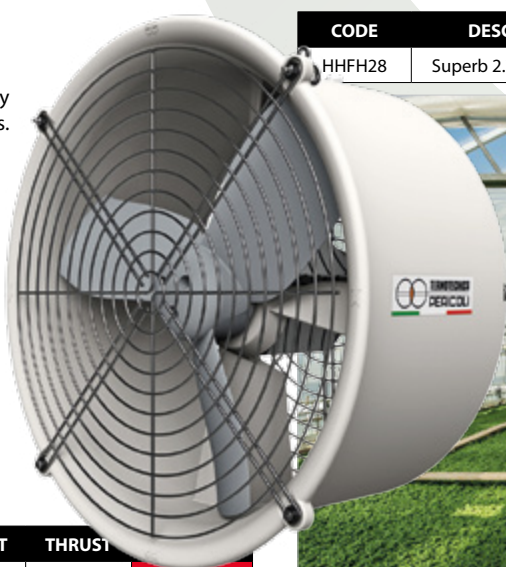
#### FANS FOR HORTICULTURE

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 <sup>3</sup> /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 - 1,000m<sup>2</sup>. 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, 450m<sup>3</sup>/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 <sup>2</sup> /30m <sup>2</sup>	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 50m<sup>2</sup> 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 <sup>2</sup>	under 250m <sup>2</sup>	250m <sup>2</sup> - 999m <sup>2</sup>	over 1000m <sup>2</sup>

#### 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	

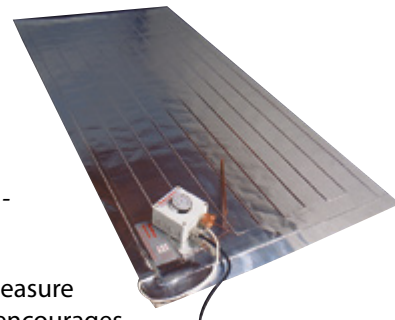
### Heatwave Panels

#### 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 are 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 <sup>2</sup> - 2.99m <sup>2</sup>	3m <sup>2</sup> - 4.99m <sup>2</sup>	5m <sup>2</sup> - 9.99m <sup>2</sup>	10m <sup>2</sup> +

#### 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

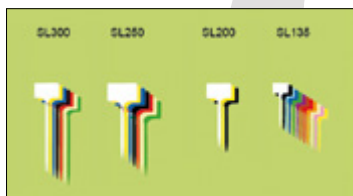


CODE	DESCRIPTION	PRICE
SUN052F	Fine "Staedtler" Pen - Black	
SUN052M	Medium "Staedtler" Pen - Black	

## '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

PYR1



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)

GroLine

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

*Quick Cal*  
Compatible**pH****°C/°F**

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 Byelaws 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	

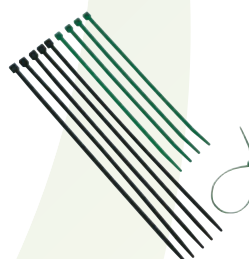


With clip only from 40mm and up



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



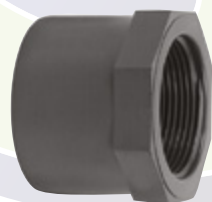
## Hex Ad. [Plain x BSP(M)]

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	



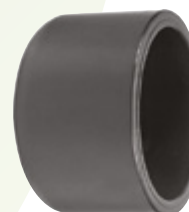
## Cap Washer [EPDM Rubber]

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 [¾" BSP]

CODE	OUTLETS	Ø mm	BSP	PRICE
BARY216075M	2	16	¾" (M)	
BARY220075M	2	20	¾" (M)	
BARY316075M	3	16	¾" (M)	
BARY320075M	3	20	¾" (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

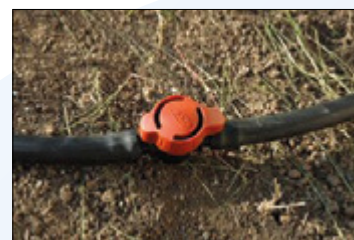
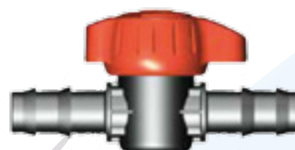
CODE	Ø mm	BAR	PRICE
BARP12-A	12	7.5	
BARP16-A	16	7.5	
BARP20-A	20	7.5	

Pipe End Clamp

CODE	SIZE	PRICE
NK209316	16mm	
NK209320	20mm	

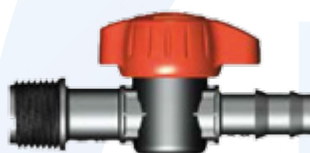


Acetal In-Line Valve [Barb x Barb]



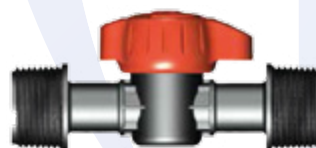
CODE	Ø mm	Ø mm	PRICE
PLV016	16	16	
PLV020	20	20	

Acetal In-Line Valve [Barb x BSP(M)]



CODE	Ø mm	BSP(M)	PRICE
PLV016050M	16	½"	
PLV016075M	16	¾"	
PLV020050M	20	½"	
PLV020075M	20	¾"	
PLV025075M	25	¾"	

Acetal In-Line Valve [BSP(M)]



CODE	BSP(M)	BSP	PRICE
PLV050M	½"	½" (M)	
PLV075M	¾"	¾" (M)	

Streamline Valves



CODE	SIZE	PRICE
PLVSTR075M	Streamline x ¾"(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
<b>Bend (Rubber Ring) 15° Fx F</b>		
	RARB15110FF	110mm
	RARB15125FF	125mm
	RARB15160FF	160mm
	RARB15250FF	250mm


<b>Bend (Rubber Ring) 45° Fx F</b>		
	RARB45110FF	110mm
	RARB45125FF	125mm
	RARB45160FF	160mm
	RARB45200FF	200mm
	RARB45250FF	250mm
	RARB45315FF	315mm


<b>Bend (Rubber Ring) 88° Fx F</b>		
	RARB90110FF	110mm
	RARB90125FF	125mm
	RARB90160FF	160mm
	RARB90200FF	200mm
	RARB90250FF	250mm
	RARB90315FF	315mm

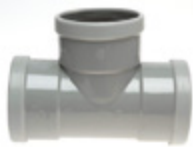
<b>Socket (Rubber Ring) Fx F</b>		
	RARS110FF	110mm
	RARS125FF	125mm
	RARS160FF	160mm
	RARS200FF	200mm
	RARS250FF	250mm
	RARS315FF	315mm
	RARS400FF	400mm

<b>Reducing Bush Excentric (Rubber Ring) Mx F</b>		
	RASR125110MF	125 x 110mm
	RASR160110MF	160 x 110mm
	RASR160125MF	160 x 125mm
	RASR200125MF	200 x 125mm
	RASR200160MF	200 x 160mm
	RASR250200MF	250 x 200mm
	RASR315200MF	315 x 200mm
	RASR400250MF	400 x 250mm
	RASR400315MF	400 x 315mm

CODE	SIZE	PRICE
<b>Solvent Cap</b>		
	RAGC110	110mm
	RAGC125	125mm
	RAGC160	160mm
	RAGC200	200mm
	RAGC250	250mm
	RAGC315	315mm
	RAGC400	400mm

<b>Tee (Rubber Ring) 45° 3x F</b>		
	RART45110FFF	110mm
	RART45125FFF	125mm
	RART45160FFF	160mm
	RART45200FFF	200mm
	RART45250FFF	250mm
	RART45315FFF	315mm

<b>Tee (Rubber Ring) 88° 3x F</b>		
	RART90110FFF	110mm
	RART90125FFF	125mm
	RART90160FFF	160mm
	RART90200FFF	200mm
	RART90250FFF	250mm
	RART90315FFF	315mm
	RART90400FFF	400mm

<b>Reducing Tee (Rubber Ring) 90° 3x F</b>		
	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	¾" x ¼"	
METGRB050025	½" x ¼"	
METGRB050038	½" x ¾"	
METGRB075025	¾" x ¼"	
METGRB075038	¾" x ¾"	
METGRB075050	¾" x ½"	
METGRB100038	1" x ¾"	
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	¾"	
METGP050	½"	
METGP075	¾"	
METGP100	1"	
METGP125	1¼"	
METGP150	1½"	
METGP200	2"	



## Socket [BSP(Fm)]

CODE	SIZE	PRICE
METGS025	¼"	
METGS038	¾"	
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"	



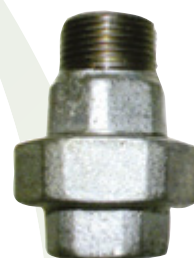
Union [BSP(Fm)]

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

## 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	

## Pipe Clip Back Plate 10mm



CODE	THREADED	PRICE
METPCBP10	M10	

## Threaded Rod

CODE	LENGTH	THR.	PRICE
METSBM10	1m	M10	
METSBM16	1m	M16	

# 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

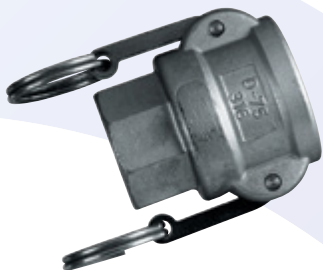


TO SUIT COUPLING	VITON	PRICE	EPDM	PRICE	BUNA	PRICE
½"	CAMVITON12		CAMEPDM12		CAMBUNA12	
¾"	CAMVITON34		CAMEPDM34		CAMBUNA34	
1"	CAMVITON1		CAMEPDM1		CAMBUNA1	
1¼"	CAMVITON114		CAMEPDM114		CAMBUNA114	
1½"	CAMVITON112		CAMEPDM112		CAMBUNA112	
2"	CAMVITON2		CAMEPDM2		CAMBUNA2	
3"	CAMVITON3		CAMEPDM3		CAMBUNA3	
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



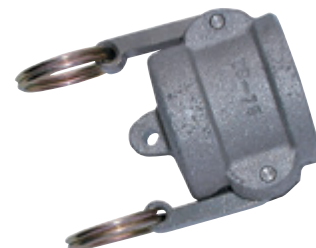
CODE	SIZE	BAR	PRICE
CAMDP12AU	½"	16	
CAMDP34AU	¾"	16	
CAMDP1AU	1"	16	
CAMDP114AU	1¼"	16	
CAMDP112AU	1½"	16	
CAMDP2AU	2"	16	
CAMDP3AU	3"	8	
CAMDP4AU	4"	5	

**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 &amp; 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
<b>Plastic</b> 16-40mm	
<b>Metal</b> 40-75mm	
<b>Metal</b> 63-125mm	



**PLA60125/6** Pipe Shears

SIZE	PRICE
<b>60125</b> 20-32mm	
<b>60126</b> 20-63mm	



**PLA7992** Universal Strap Wrench

SIZE	PRICE
20-90mm	

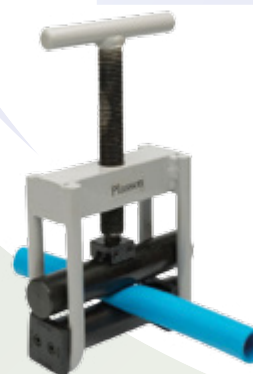


**PLA7960** Chamfer Tool

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"	

### 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"	

### 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	

# 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



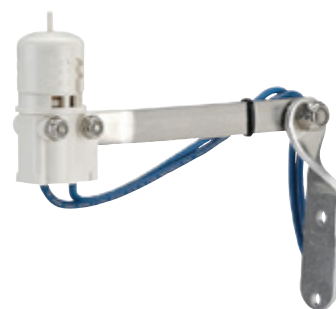
CODE	DESCRIPTION	PRICE
NHUICC2CON8	ICC2 8 Station Controller - Plastic Base	
NHUICC2CON8M	ICC2 8 Station Controller - Metal Base	
NHUICC2MOD4	4 Station Plug-in Module	
NHUICC2MOD8	8 Station Plug-in Module	
NHUICC2MOD22	22 Station Plug-in Module	

## 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.



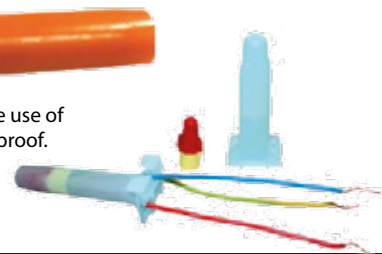
CODE	DESCRIPTION	REEL	PRICE
LVC0802	2-core x 0.8mm	100m	
LVC0803	3-core x 0.8mm	100m	
LVC0804	4-core x 0.8mm	100m	
LVC0806	6-core x 0.8mm	100m	
LVC0808	8-core x 0.8mm	100m	
LVC0810	10-core x 0.8mm	100m	
LVC0812	12-core x 0.8mm	100m	
LVC0814	14-core x 0.8mm	100m	
LVC0816	16-core x 0.8mm	100m	
LVC0820	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 4.0mm<sup>2</sup> 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

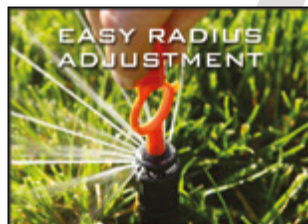


## The Ideal 2.5m-10.7m Solution

### 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

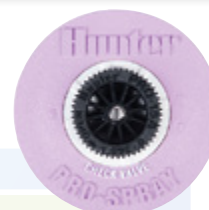
### Simple and quick adjustments

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.



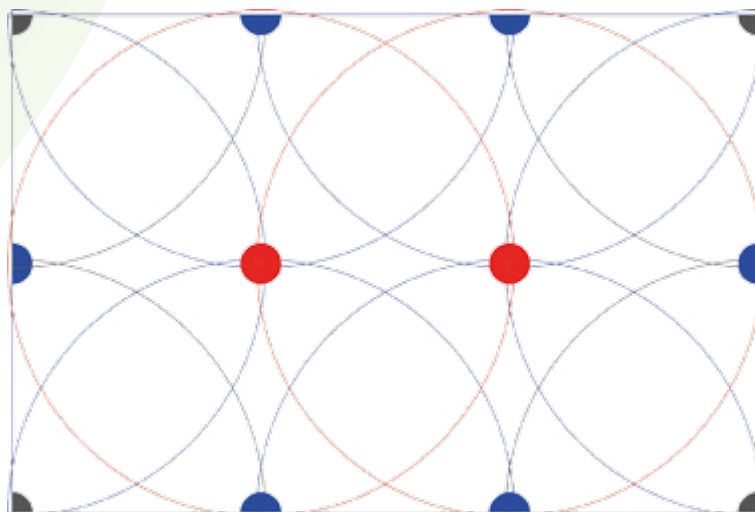
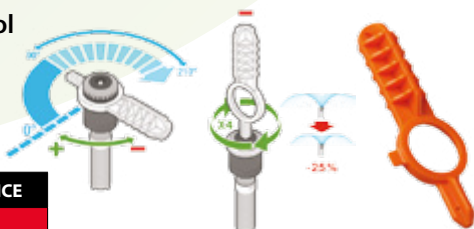
CODE	DESCRIPTION	PRESSURE REG.	PRICE
NHUPRS30-00	PRS30 Shrub-Head	2.1 bar	
NHUPRS40-00	PRS40 Shrub-Head	2.8 bar	

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>		 <b>90° to 210°</b>	 <b>210° to 270°</b>	 <b>360°</b>
<b>MP1000</b> 		<b>MP1000-90-210</b> Maroon  Flow: 0.8-1.86 l/min @ 2.8 bar	<b>MP1000-210-270</b> Light Blue  Flow: 1.86-2.39 l/min @ 2.8 bar	<b>MP1000-360</b> Olive  Flow: 3.18 l/min @ 2.8 bar
<b>MP2000</b> 		<b>MP2000-90-210</b> Black  Flow: 1.63-3.26 l/min @ 2.8 bar	<b>MP2000-210-270</b> Green  Flow: 3.26-4.17 l/min @ 2.8 bar	<b>MP2000-360</b> Red  Flow: 5.61 l/min @ 2.8 bar
<b>MP3000</b> 		<b>MP3000-90-210</b> Blue  Flow: 3.26-8.03 l/min @ 2.8 bar	<b>MP3000-210-270</b> Yellow  Flow: 8.03-10.35 l/min @ 2.8 bar	<b>MP3000-360</b> Grey  Flow: 13.8 l/min @ 2.8 bar
<b>MP3500</b> 		<b>MP3500-90-210</b> Light Brown  Flow: 4.84-12.45 l/min @ 2.8 bar		<b>MPC</b> 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



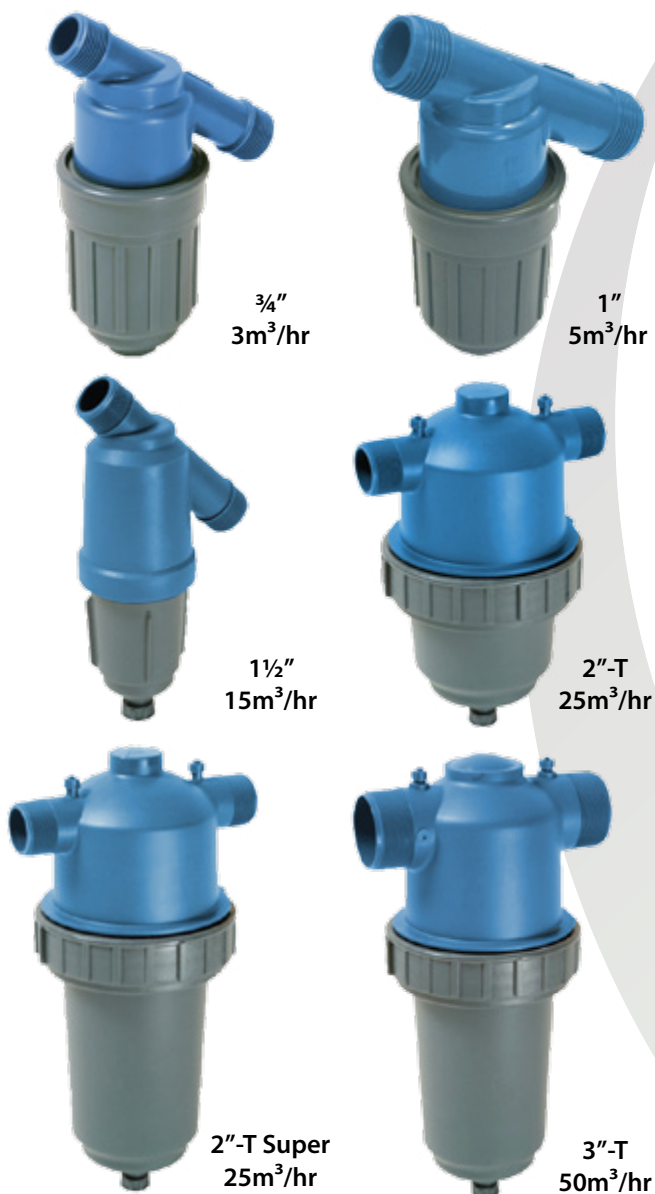
CODE	PRICE
NHUMPADJ	

 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



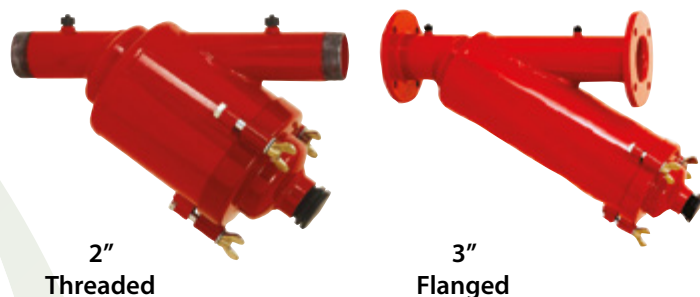
MESH	MICRON	MM	USE WITH
30	500	0.50	Sprinklers
50	300	0.30	Mini Sprinklers Mist Propagation Spray Nozzles
60	250	0.25	
75	200	0.20	
120	130	0.13	Drip Systems
155	100	0.10	
200	74	0.074	

## 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" T Plastic Filter	
PFCCK3T	Scanaway + 3" T 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 <sup>3</sup> /hr	60 Kg	
NK450015	16"	1½"(Fm) Thr.	9 m <sup>3</sup> /hr	90 Kg	
NK450020	20"	2"(Fm) Thr.	15 m <sup>3</sup> /hr	120 Kg	
NK450030	20"	3"(Fm) Thr.	20 m <sup>3</sup> /hr	120 Kg	
NK450022	24"	2"(Fm) Thr.	28 m <sup>3</sup> /hr	210 Kg	
NK450032	24"	3"(Fm) Thr.	30 m <sup>3</sup> /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 <sup>3</sup> /hr	
NK452020B	24" Single	2"(M) x 2"(F)	28m <sup>3</sup> /hr	
NK452040B	24" Double	3" Flanged	60m <sup>3</sup> /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 <sup>3</sup> /hr	
NK452060C	24" Triple	4" Flanged	84m <sup>3</sup> /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 <sup>3</sup> /hr	
PULWEDSPEK50E	2	DN100	101m <sup>3</sup> /hr	
PULWEDSPEK90E	3	DN125	152m <sup>3</sup> /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.

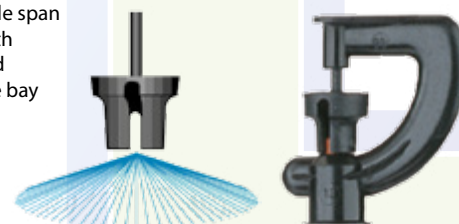
## Dan Bridge Assembly (Push Fit Type) Green Swivel



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.



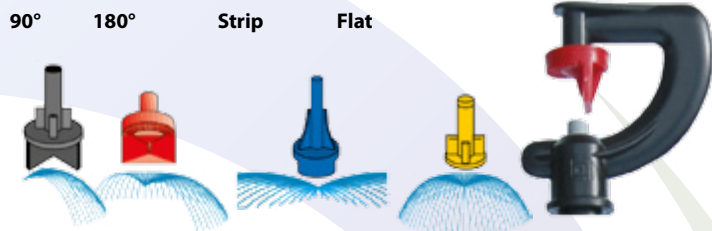
CODE	DESCRIPTION	PRICE
DANBASEM11	M11 Base	
DANBASEM11LPD	M11 Base c/w LPD	
DANBASE38	3/8"WW Base	
DANBASE38LPD	3/8"WW Base c/w LPD	
DANBASEPE	PE Base	
DANBASEPELPD	PE Base c/w LPD	
DANBASE50	1/2" Base	

# 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	

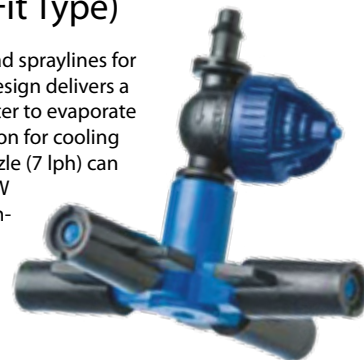
## Sprayline Blanking Plug



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
NETCNLLOW02	CNL LOW		2 lph	
NETCNLLOW04			4 lph	
NETCNLLOW08			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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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, 1.03m<sup>3</sup>/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

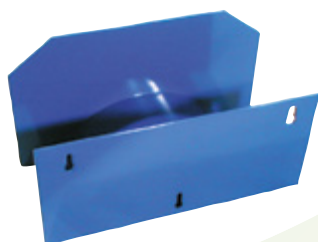
The Freestanding standpipe is similar to the above but comes with a cross base allowing the standpipe to be used on hard surfaces.



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

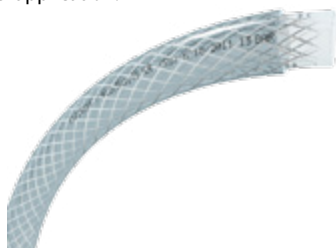


*And don't forget to use our hose adaptors, quick couplings and worm drive hose clips*

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

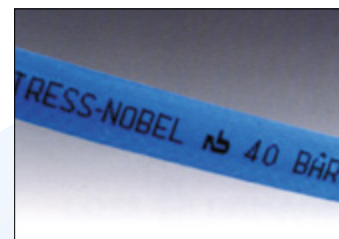
A heavy duty, reinforced hose for all fuel application.



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.

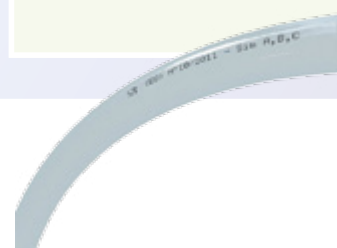


CODE	HOSE ID	WP @ 20°C	COIL	PRICE
HOSSN006050	6mm	20 Bar	50m	
HOSSN008050	8mm	20 Bar	50m	
HOSSN010050	10mm	20 Bar	50m	
HOSSN012025	12.7mm	20 Bar	25m	
HOSSN019050	19mm	20 Bar	50m	
HOSSN025050	25mm	20 Bar	50m	

## 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	

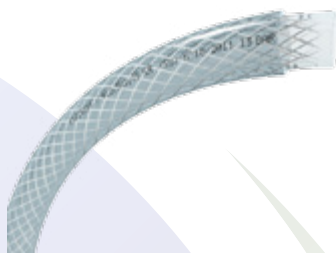


## MORE HOSES

### 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.



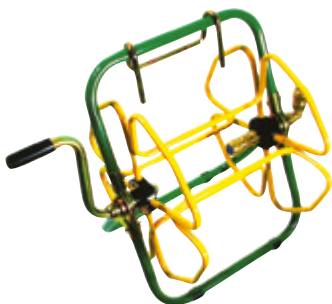
CODE	HOSE ID	COIL	PRICE
HOSVF050	12mm (½")	30m	
HOSVF075	20mm (¾")	30m	
HOSVF100	25mm (1")	30m	
HOSVF125	32mm (1¼")	30m	
HOSVF150	38mm (1½")	30m	

# 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"

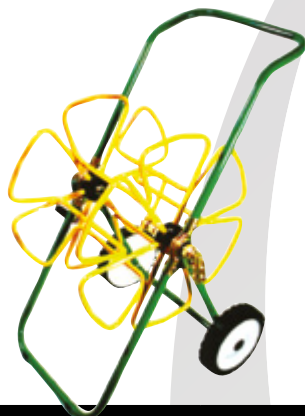


CODE	DESCRIPTION	PRICE
HTS	Hose Reel 50m x ½"	

## 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"

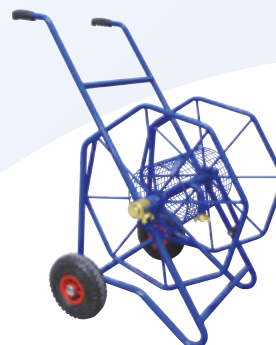


CODE	DESCRIPTION	PRICE
HTLS	Hose Trolley with Stabilisers 150m x ½"	

## 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.

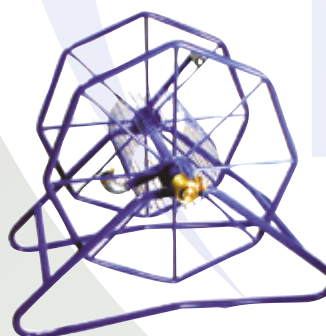


CODE	DESCRIPTION	PRICE
HTP	Pro Hose Reel 80m x 1"	
HTPC	Compact Pro Hose Reel 80m x ¾"	
NK5208HU	Brass Swivel	
NK5208SR	Swivel Seal Kit	
NK5208WH	Pneumatic wheel	

## Freestanding Reel

Heavy duty professional freestanding hose reel with 1" quick couplings.

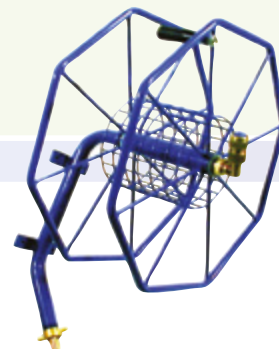
- Can be adapted to ¾" 120m x ¾"



## 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

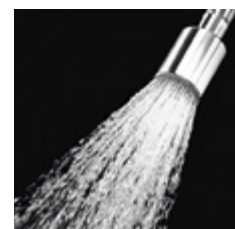
The Seedling nozzle allows you to water fragile plants, delicate seedlings or plant cuttings. This high-quality nozzle produces an extra fine, hollow cone mist pattern and sprays 7.5 LPM of water. Made from solid brass with 3/4" brass hose threads.



CODE	WEIGHT	FLOW @ 2.7 Bar	PRICE
DRAMSN	76g	11 LPM	

## 170AL Aluminium Water Breaker™ Nozzle

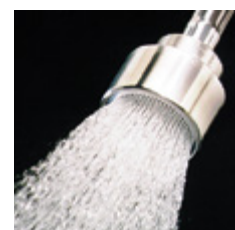
The 170AL Water Breaker is excellent for watering areas with low water pressure or with systems which restrict total water volume. It is designed for small containers (hanging baskets), and when using a fertiliser injector. Cast aluminium with 3/4" brass hose threads.



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.

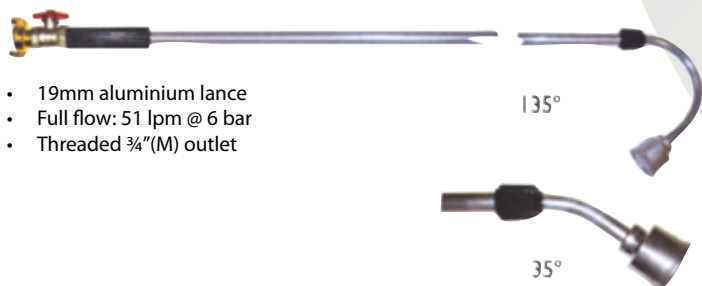
- 14mm aluminium lance
- Full flow: 39 lpm @ 6 bar - fine spray setting
- Threaded M11(Fm) outlet



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°	
SRTLSL	160-280cm 35°	

## Soft Rain Lance Filter

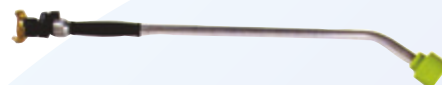
CODE	DESCRIPTION	PRICE
SRLF	Soft Rain Lance Filter	



## 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
SRLSPA	

## 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

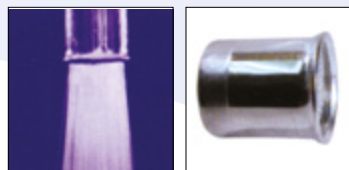


CODE	PRICE
PUDAKBO001	

## WATERING LANCES, ROSES & ADAPTORS

### Small Alloy Rose

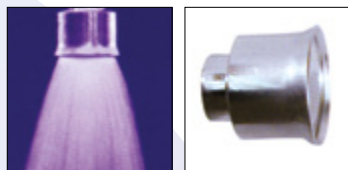
- Threaded  $\frac{3}{4}$ "(Fm) connection
- 90 lpm @ 5 bar



CODE	PRICE
SRR05F	

### Large Alloy Rose

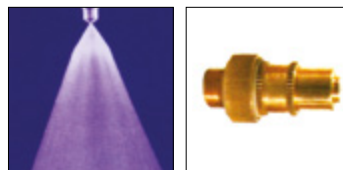
- Threaded  $\frac{3}{4}$ "(Fm) connection
- 110 lpm @ 5 bar



CODE	PRICE
SRAR - standard	
SRARB - 1mm coarse	

### Fine Spray Nozzle

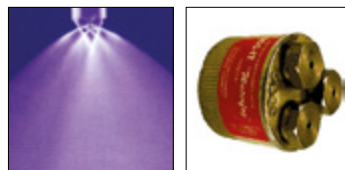
- M11(M) connection



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

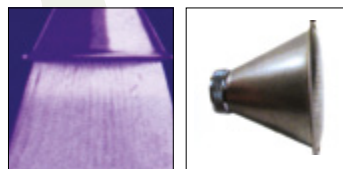
- Threaded  $\frac{3}{4}$ "(Fm) connection



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

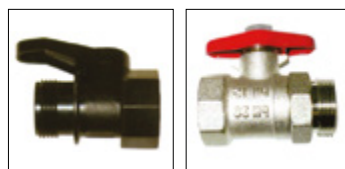
- Threaded  $\frac{3}{4}$ "(M) connection



CODE	PRICE
SRN50M	

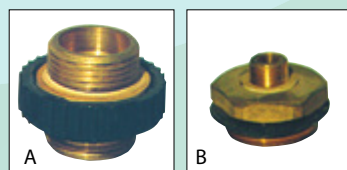
### Mini Ball Valves

- $\frac{3}{4}$ "(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"	



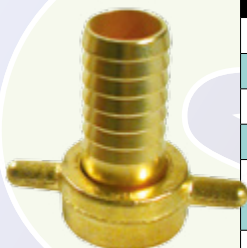
## HOSE CONNECTORS

### 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

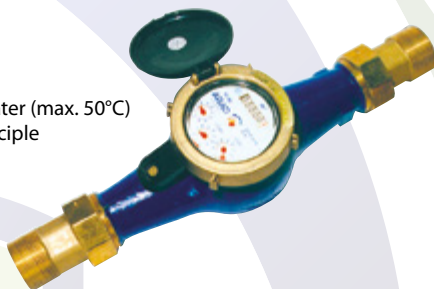
- Maximum pressure 10 bar
- Suitable for use with warm water (max. 50°C)



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)**

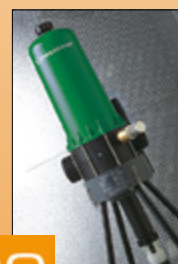
**1.0% - 5.0% (1:100 - 1:20)**

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

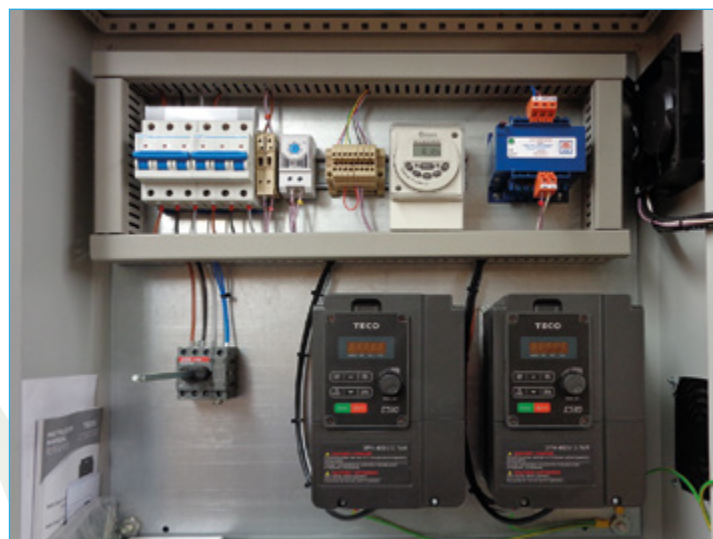
*Overload protection*

*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)

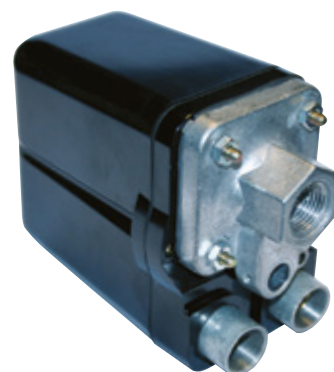


CODE	TYPE	CONNECTION	PRICE
PGO0010B	0 - 1 bar (0 - 15 psi)	1/4"(MBSP) bottom connection	
PGO0020B	0 - 2 bar (0 - 30 psi)		
PGO0040B	0 - 4 bar (0 - 60 psi)		
PGO0060B	0 - 6 bar (0 - 90 psi)		
PGO0100B	0 - 10 bar (0 - 150 psi)		
PGO0160B	0 - 16 bar (0 - 240 psi)		
PGO0250B	0 - 25 bar (0 - 375 psi)		
PGO0400B	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	
PUR022247	Multi EVO 5-60M 230V	14.0 Kg	1¼" x 1¼"	11.8 m³/h	120/69	1.20	
PUR022010	Multi EVO 5-60T 400V	14.0 Kg	1¼" x 1¼"	11.8 m³/h	120/69	1.20	
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 m<sup>3</sup>/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 m<sup>3</sup>/hr ~ from 2.5 bar to 10 bar and above

- Lowara 5 SV & 10 SV

#### 10-20 m<sup>3</sup>/hr ~ from 2.5 bar to 10 bar and above

- Lowara 10 SV, 15 SV & 22 SV

#### 32+ m<sup>3</sup>/hr ~ from 2.5 bar to 10 bar and above

- Lowara 33 SV

#### 45+ m<sup>3</sup>/hr ~ from 2.5 bar to 10 bar and above

- Lowara 46 SV

#### 60+ m<sup>3</sup>/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 m<sup>3</sup>/hr with pressures up to 400 metres/head
- Solids handling up to 150 g/m<sup>3</sup> with **Energy series** or up to 450 g/m<sup>3</sup> 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 m<sup>3</sup>/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 m<sup>3</sup>/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CRI-5 & CRI-10

#### 10-20 m<sup>3</sup>/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CRI-10; CRI-15 & CRI-20

#### 32+ m<sup>3</sup>/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CR-32

#### 45+ m<sup>3</sup>/hr ~ available from 2.5 bar to 10 bar and above

- Grundfos CR-45

#### 60+ m<sup>3</sup>/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





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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.

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) 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.

- a) All prices quoted by the Company in the buyers guide, brochures or websites are correct at the time of going to print.
- b) 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.
- c) 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.
- d) All prices exclude V.A.T. which shall be charged at the rate applicable at the date of invoice.
- e) The price of carriage of the Goods shall be borne by the Customer.

## 3. PAYMENT OF ACCOUNTS.

- a) All transactions over the trade counter not made by credit account customers are payable at the point of sale.
- b) Payment for credit account customers is strictly twenty-eight days from the date of invoice.
- c) Time for payment shall be of the essence.
- d) 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 not withstanding that such claim or claims to interest and/or to surcharges for non-payment have been waived by the Company in the past.
- e) 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.
- f) 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.
- g) 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.
- h) 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.
- i) 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.

- a) Time is not of the essence for delivery, and any delivery dates are estimates only.
- b) 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.
- c) 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.
- d) 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.
- e) 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.
- f) 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.
- g) Orders for non-stocked, special or custom-built assemblies cannot be terminated by the Customer once the order has been accepted by the Company.
- h) 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.
- i) Where deliveries are by instalments, any defects found in one instalment delivered shall not entitle the Customer to reject future instalments.
- j) Where part deliveries are agreed with the Customer, additional delivery charges will be made by the Company for all additional deliveries.

## 5. PESTICIDES.

- a) 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.
- b) No pesticide will be left with a Customer without receiving a signed delivery note.
- c) 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.

- a) 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.

- b) 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.
- c) 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.
- d) **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(iii) 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.**
  - e) It is the responsibility of the Customer to check the suitability and condition of all Goods supplied by the Company before use.
  - f) **Allegedly faulty goods must be returned to us for inspection within seven days of purchase.**
  - g) 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.

- a) 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.
- b) Not withstanding 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.
- c) 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.

- a) Risk of damage to the Goods supplied passes to the Customer on dispatch from the Company's premises.
- b) 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.
- c) 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.