

ANTELCO



PUTTING WATER WHERE IT COUNTS!®



2014

Irrigation Equipment Metric Catalogue

www.antelco.com



Durable and reliable with excellent distribution uniformity. Vari-Rotor Spray™ can be adjusted to alter flow and coverage.

Features

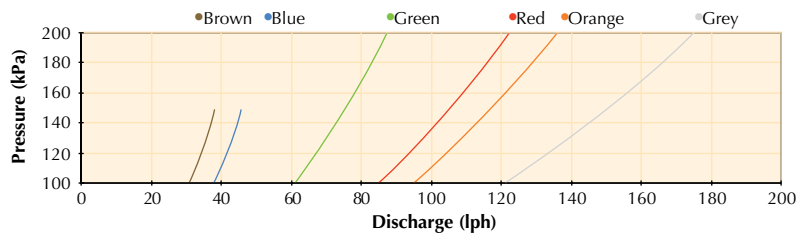
- 'C' Frame design for strength and high distribution uniformity.
- Full flow flipper suspended between two bearings for reliable performance.
- Inverted model incorporates special khaki coloured flipper with dust cover to protect bearing.
- Colour coded nozzles to identify flow rates.
- Threaded for installing into Rigid Risers and 1/2" micro threaded adaptors.
- UV stabilised materials for long life.

Applications

Landscape areas, home gardens, nurseries and horticultural applications. Inverted Rotor Spray™ ideal for over-head greenhouse and nursery watering.



Flow Rate



Rotor Spray™
10-32 UNF Thread



Inverted Rotor Spray™
10-32 UNF Thread



Vari-Rotor Spray™
10-32 UNF Thread

Rotor Spray™

COLOUR	BASE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
	ORIFICE SIZE	BASE TYPE				
Brown	0.9 mm	10-32 UNF	20025	50	110	12.5
Blue	1.0 mm	10-32 UNF	20015	50	110	12.5
Green	1.3 mm	10-32 UNF	20035	50	110	12.5
Red	1.5 mm	10-32 UNF	20055	50	110	12.5
Orange	1.8 mm	10-32 UNF	20075	50	110	12.5
Grey	2.0 mm	10-32 UNF	20045	50	110	12.5

Asta® Stake Rotor Spray™ Assembly with 300 mm tube and barb adaptor

COLOUR	BASE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
	ORIFICE SIZE	BASE TYPE				
Green	1.3 mm	10-32 UNF	17245	25	16	14.5

Inverted Rotor Spray™

COLOUR	BASE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
	ORIFICE SIZE	BASE TYPE				
Brown	0.9 mm	10-32 UNF	20125	50	110	12.5
Blue	1.0 mm	10-32 UNF	20115	50	110	12.5
Green	1.3 mm	10-32 UNF	20135	50	110	12.5
Red	1.5 mm	10-32 UNF	20155	50	110	12.5

Vari-Rotor Spray™

COLOUR	BASE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
	ORIFICE SIZE	BASE TYPE				
Yellow	1.5 mm	10-32 UNF	20295	25	88	9.6
Black	1.5 mm	10-32 UNF	20205	25	88	9.6

Asta® Stake Vari-Rotor Spray™ Assembly with 300 mm tube and barb adaptor

COLOUR	BASE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
	ORIFICE SIZE	BASE TYPE				
Black	1.5 mm	10-32 UNF	17295	25	13	10.0



This product has been independently tested by the Australian Irrigation Technology Centre, report No A9107.9.2



Asta® Stake Rotor Spray™ Assembly

Asta® Stake Vari-Rotor Spray™ Assembly

Performance			ROTOR SPRAY™		VARI-ROTOR SPRAY™		INVERTED ROTOR SPRAY™	
			●		●		●	
			Tested 0.2 m above ground		Tested 0.2 m above ground		Tested 0.8 m above ground	Tested 2.0 m above ground
BASE COLOUR & ORIFICE SIZE	PRESS. (kPa)	FLOW (lph)	DIAMETER (m)	STREAM HEIGHT (m)	DIAMETER (m)	STREAM HEIGHT (m)	DIAMETER (m)	DIAMETER (m)
Brown 0.9 mm	100	31	5.2	0.2			4.0	5.4
	125	35	5.6	0.3			4.2	5.8
	150	38	5.6	0.4			4.2	6.0
Blue 1.0 mm	100	38	5.2	0.3			4.2	5.6
	125	42	5.4	0.4			4.4	5.8
	150	46	5.4	0.5			4.6	6.0
Green 1.3 mm	100	61	6.0	0.4			4.2	5.8
	150	76	6.9	0.5			4.6	6.2
	200	88	7.2	0.5			5.0	6.6
Red 1.5 mm	100	85	6.5	0.4			4.4	6.2
	150	105	7.5	0.4			4.8	6.4
	200	120	8.1	0.4			5.0	7.2
Orange 1.8 mm	100	95	6.7	0.3				
	150	117	7.5	0.4				
	200	135	8.4	0.5				
Grey 2.0 mm	100	120	6.8	0.4				
	150	150	7.8	0.4				
	200	175	8.0	0.5				
Yellow max 1.5 mm	100	0 - 82			0 - 6.5	0 - 0.4		
	150	0 - 105			0 - 7.5	0 - 0.4		
	200	0 - 123			0 - 8.1	0 - 0.4		
Black max 1.5 mm	100	0 - 82			0 - 6.5	0 - 0.4		
	150	0 - 105			0 - 7.5	0 - 0.4		
	200	0 - 123			0 - 8.1	0 - 0.4		

Specifications

DIMENSIONS ASSEMBLED		ROTOR SPRAY™ and INVERTED ROTOR SPRAY™	ROTOR SPRAY™ and INVERTED ROTOR SPRAY™	VARI-ROTOR SPRAY™
HEIGHT		35 mm	34 mm	45 mm
WIDTH		27 mm	27 mm	27 mm
WEIGHT (approx)		2 g	2.2 g	3.5 g
UV STABILISED MATERIALS	FRAME BASE FLIPPER KNOB	acetal acetal nylon -	acetal acetal nylon -	acetal acetal nylon HDPE
BASE/CONNECTION TYPE: Inlet		10-32 UNF THREAD 4 mm	TAPER # 6 (Refer to Page 4.0)	10-32 UNF THREAD 4 mm





Low trajectory, large droplet mini sprinkler.

Features

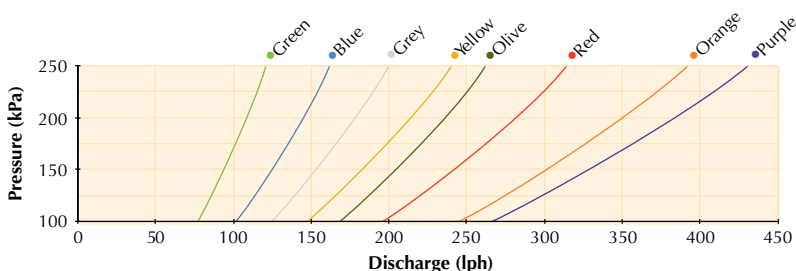
- 'C' Frame design for strength and high distribution uniformity.
- Full flow flipper suspended between two bearings for reliable performance.
- Colour coded nozzles to identify flow rates.
- Break-off spray deflector for close-in watering of immature trees.

Applications

Vines, bananas and tree crops such as citrus and apples.



Flow Rate



Rotor Rain®
3/8" Thread

Rotor Rain® 3/8" BSPM

COLOUR	BASE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
	ORIFICE SIZE					
Green	1.5 mm		20335	50	28	11.8
Blue	1.7 mm		20315	50	28	11.8
Grey	1.9 mm		20345	50	28	11.8
Yellow	2.0 mm		20395	50	28	11.8
Olive	2.1 mm		20385	50	28	11.8
Red	2.4 mm		20355	50	28	11.8
Orange	2.6 mm		20375	50	28	11.8
Purple	2.8 mm		20365	50	28	11.8



Rotor Rain®
1/2" Thread

Rotor Rain® 1/2" MNPT

COLOUR	BASE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
	ORIFICE SIZE					
Green	1.5 mm		20535	50	20	11.4
Blue	1.7 mm		20515	50	20	11.4
Grey	1.9 mm		20545	50	20	11.4
Yellow	2.0 mm		20595	50	20	11.4
Olive	2.1 mm		20585	50	20	11.4
Red	2.4 mm		20555	50	20	11.4
Orange	2.6 mm		20575	50	20	11.4
Purple	2.8 mm		20565	50	20	11.4

Rotor Rain® 3/8" MNPT

COLOUR	BASE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
	ORIFICE SIZE					
Green	1.5 mm		20435	50	28	11.8
Blue	1.7 mm		20415	50	28	11.8
Grey	1.9 mm		20445	50	28	11.8
Yellow	2.0 mm		20495	50	28	11.8
Olive	2.1 mm		20485	50	28	11.8
Red	2.4 mm		20455	50	28	11.8
Orange	2.6 mm		20475	50	28	11.8
Purple	2.8 mm		20465	50	28	11.8



This product has been independently tested by the Australian Irrigation Technology Centre, report No A9010.

Rotor Rain® 3/8" BSPM and 1/2" MNPT are standard items with green, blue, grey or red bases. All others assembled to order. Allow two weeks for assembly and despatch. Urgent orders by arrangement.



Rotor Rain®
3/8" Thread



Rotor Rain®
1/2" Thread

Performance			●		
			Tested 0.2m above ground		
NOZZLE COLOUR AND ORIFICE SIZE	PRESSURE (kPa)	FLOW (lph)	DIAMETER (m)	STREAM HEIGHT (m)	DEFLECTOR DIAMETER (m)
Green 1.5 mm	100	77	7.8	0.5	2.8
	150	94	8.7	0.5	
	200	110	9.1	0.6	
	250	120	8.5	0.7	
Blue 1.7 mm	100	100	8.6	0.7	2.8
	150	125	9.3	0.7	
	200	145	9.6	0.8	
	250	163	9.3	0.9	
Grey 1.9 mm	100	125	8.9	0.7	2.8
	150	153	10.2	0.8	
	200	178	9.8	0.8	
	250	200	10.0	0.9	
Yellow 2.0 mm	100	147	10.0	0.6	3.0
	150	183	11.0	0.8	
	200	215	11.2	0.9	
	250	240	11.0	1.0	
Olive 2.1 mm	100	168	10.7	0.7	3.0
	150	205	11.6	0.8	
	200	235	11.8	0.9	
	250	265	11.4	0.9	
Red 2.4 mm	100	195	11.0	0.6	3.2
	150	240	12.5	0.9	
	200	280	12.5	1.0	
	250	315	12.1	1.0	
Orange 2.6 mm	100	245	10.9	0.7	3.2
	150	300	11.9	0.8	
	200	350	12.1	0.9	
	250	395	12.0	1.0	
Purple 2.8 mm	100	265	11.2	0.8	4.0
	150	330	12.8	0.9	
	200	385	13.0	1.0	
	250	430	12.4	1.1	

Specifications

DIMENSIONS ASSEMBLED	Rotor Rain® 3/8"	Rotor Rain® 1/2"	UV STABILISED MATERIAL	BASE/CONNECTION TYPE
HEIGHT	49 mm	49 mm	FRAME acetal	Inlet: THREAD 3/8" BSPM
WIDTH	46 mm	46 mm	FLIPPER nylon	Inlet: THREAD 1/2" MNPT
WEIGHT (approx)	8 g	10.5 g	NOZZLE acetal	Inlet: THREAD 3/8" MNPT





Robust and reliable “spinner” sprinkler for use above and below plant foliage and with two trajectory options. Excellent sprinkler distribution patterns and performance.

Features

- Dual outlet spinner enhances performance.
- Standard model has a 25° trajectory, black coloured spinner.
- Inverted model has a 0° flat trajectory, khaki coloured spinner.
- Suitable for recycled water applications subject to adequate filtration.
- Easily taken apart for servicing.
- UV stabilised materials for long life.

Applications

Greenhouses, vegetable row crops and under tree watering. Inverted Rotor Max™ is ideal for over-head watering in glasshouse, nursery and shade house applications. The 0° trajectory sprinkler is also suited to standard upright operation, excellent for under foliage or wind affected locations.



Rotor Max™



Inverted Rotor Max™

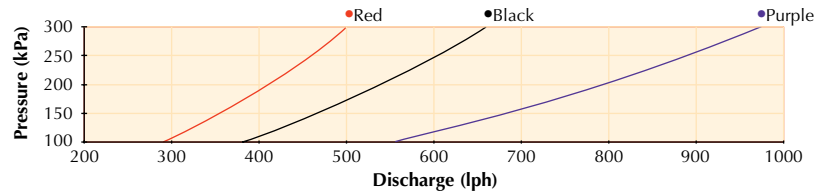


This product has been independently tested by the Australian Irrigation Technology Centre, report No A95033.

Performance		Inverted Rotor Max™ tested 2m above ground		Rotor Max™ tested 0.2m above ground	
NOZZLE COLOUR	PRESSURE (kPa)	FLOW (lph)	DIAMETER (m)	STREAM HEIGHT (m)	
Red 2.8 mm	100	300	11.0	0.9	
	200	400	13.0	1.2	
	250	460	13.0	1.2	
	300	500	13.0	1.4	
Black 3.2 mm	100	375	11.0	0.9	
	200	540	13.0	1.2	
	250	600	13.0	1.2	
	300	660	14.0	1.3	
Purple 3.8 mm	100	550	11.9	0.7	
	200	775	13.8	1.0	
	250	875	14.0	1.1	
	300	975	13.4	1.2	

* Stream height is applicable only to the Rotor Max™

Flow Rate



Rotor Max™ 3/8" BSPM

NOZZLE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
COLOUR	ORIFICE SIZE				
Red	2.8 mm	21155	20	10	8.0
Black	3.2 mm	21105	20	10	8.0
Purple	3.8 mm	21165	20	10	8.0

Rotor Max™ 1/2" BSPM

NOZZLE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
COLOUR	ORIFICE SIZE				
Red	2.8 mm	21055	20	10	6.4
Black	3.2 mm	21005	20	10	6.4
Purple	3.8 mm	21065	20	10	6.4

Inverted Rotor Max™ 1/2" BSPM

NOZZLE		ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
COLOUR	ORIFICE SIZE				
Red	2.8 mm	21555	20	10	6.4
Black	3.2 mm	21505	20	10	6.4
Purple	3.8 mm	21565	20	10	6.4

Specifications

DIMENSIONS ASSEMBLED		UV STABILISED MATERIAL		BASE/CONNECTION TYPE	
HEIGHT	96 mm	FRAME	polypropylene	Inlet: THREAD 3/8" BSPM	
WIDTH	90 mm	SPINNER	acetal	Inlet: THREAD 1/2" BSPM	
WEIGHT (approx)	38 g	NOZZLE	acetal		



The GS1 is a fully adjustable lawn and garden sprinkler.

Features

- Full or part circle adjustable spray pattern 15° to 360°.
- Radius adjustable from 7.5 m to 11 m.
- Blue watering arc indicator.
- Built-in filter protects working parts and nozzle.
- Slides easily to relocate.
- Whisper quiet operation.
- Snap-On base connection.
- Supplied in bar-coded retail carton.

Applications

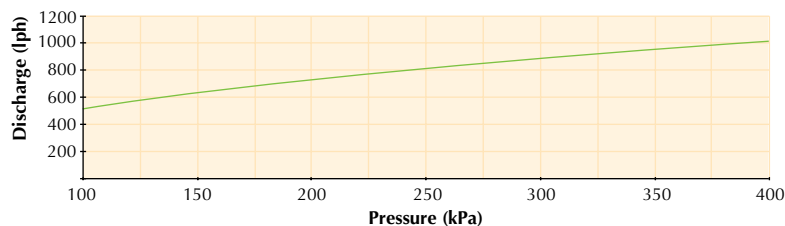
Home and landscaped gardens, and medium to large lawns.



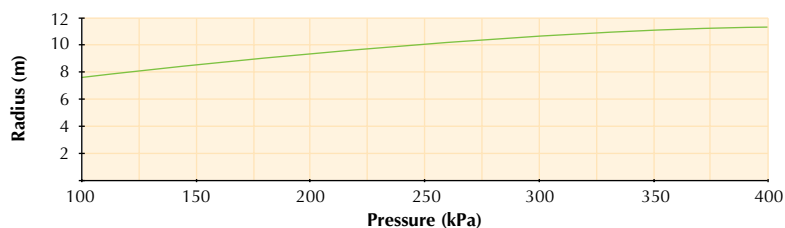
GS1 Gear Drive Sprinkler

Performance			
PRESSURE (kPa)	FLOW (lph)	RADIUS (m)	STREAM HEIGHT (m)
100	520	7.5	1.2
150	620	9.0	1.6
200	730	9.7	1.9
250	810	10.0	2.1
300	880	10.5	2.2
350	960	11.0	2.2
400	1020	11.2	2.3

Flow Rate



Radius of Throw



GS1 Gear Drive Sprinkler

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
GS1 GEAR DRIVE SPRINKLER	17015	1	5	4.4

Specifications

DIMENSIONS ASSEMBLED		BASE/CONNECTION TYPE
LENGTH	270 mm	Inlet: SNAP-ON
HEIGHT	104 mm	
WIDTH	240 mm	
WEIGHT (approx)	480 g	



Micro Mate™ Press Fit Emitters



Tapered “push-in” base for easy installation and maintenance. Compatible with the range of Antelco press fit fittings. Effective performance at low pressure (100 kPa).

Features

- Press fit taper connection for fast, easy installation.
- Vari-Jet™ and Vari-Rotor Spray™ can be adjusted to change flows and coverage.
- Asta® Micro Mate™ Stake assemblies for fast and efficient installation.
- Suitable for Antelco’s range of press fit fittings.
- UV stabilised materials for long life.

Applications

Commercial, horticultural, landscaped gardens, nursery, and greenhouse low pressure (100 kPa) irrigation systems.



PRESS FIT

Micro Mate™ Drippers Press Fit

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
SHRUBBLER® 360°	31435	100	65	15.3
SHRUBBLER® 180°	31235	100	65	15.3
MINI BUBBLER 360°	31735	100	65	14.8

Micro Mate™ Sprays Press Fit

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
SPECTRUM™ 360° Taper # 6	32035	50	100	14.6
MICRO SPRAY JET 360° x 18 Red Cap/Blue Base	18945	100	220	19.3
MICRO SPRAY JET 180° fan Blue Cap/Blue Base	18925	100	220	19.3
MICRO SPRAY JET 90° fan Black Cap/Blue Base	18115	100	220	19.3
MICRO SPRAY JET Strip Spray 2 x 20° Black Cap/Blue Base	18815	100	220	19.3
MICRO SPRAY JET 360° x 18 Black Cap/Green Base	18435	100	220	19.3
MICRO SPRAY JET 180° fan Black Cap/Green Base	18235	100	220	19.3
MICRO SPRAY JET 90° fan Black Cap/Green Base	18135	100	220	19.3
VARI-JET™ 360° x 18 Black Cap/Black Base	13175	50	80	12.2
VARI-JET™ 180° Black Cap/Black Base	13165	50	80	12.2
VARI-JET™ 90° Black Cap/Black Base	13155	50	80	12.2

Micro Mate™ Sprinklers Press Fit

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ROTOR SPRAY™ 1.0 mm Blue Base	20715	50	110	13.1
ROTOR SPRAY™ 1.3 mm Green Base	20735	50	110	13.1
INVERTED ROTOR SPRAY™ 1.0 mm Blue Base	20815	50	110	13.1
INVERTED ROTOR SPRAY™ 1.3 mm Green Base	20835	50	110	13.1
VARI-ROTOR SPRAY™ 1.5 mm Black Base	20215	25	88	10.1

Asta® Micro Mate™ Stake Assemblies Press Fit

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
JET ASSEMBLY 360° Red Cap/Blue Base	14065	25	19	13.7
JET ASSEMBLY 180° Blue Cap/Blue Base	14055	25	19	13.7
JET ASSEMBLY 90° Black Cap/Blue Base	14045	25	19	13.7
VARI-JET™ ASSEMBLY 360° Black Cap/Black Base	14025	25	16	12.5
VARI-JET™ ASSEMBLY 180° Black Cap/Black Base	14015	25	16	12.5
VARI-JET™ ASSEMBLY 90° Black Cap/Black Base	14005	25	16	12.5
ASTA® MICRO MATE™ Stake Assembly (F) x Vertical Entry	43675	25	19	13.2



Micro Mate™ Press Fit Fittings



Micro Mate™ press fit fittings for easy installation and servicing. Offer a simple way to alter the system to meet changing plant requirements.

Features

- Press fit taper connection for fast, easy installation.
- Suitable for Antelco's range of press fit emitters.
- UV stabilised materials for long life.

Applications

Commercial, horticultural, landscape, nursery, home gardens and greenhouse low pressure (100 kPa) irrigation systems.



Micro Mate™ Press Fit Fittings

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
JOINER 4.5 mm barb (taper series)	40175	100	280	13.9
JOINER Taper # 6 (M)	40185	100	240	15.1
TEE Taper # 6 (F)	40365	50	135	15.6
ELBOW Taper # 6 (F) x Taper # 6 (M)	40265	50	240	17.1
PLUG Taper # 6 (M)	42335	100	350	17.1
ADAPTOR 1/2" FNPT Thread x Taper # 6 (F)	41045	25	75	12.6
ADAPTOR 3/8" BSWM Thread x Taper # 6 (F)	41055	100	130	13.8
ADAPTOR 4.5 mm barb x Taper # 6 (M)	40975	100	240	13.2
ADAPTOR 4.5 mm barb x Taper # 6 (F)	40985	100	120	14.2
STAKE ADAPTOR Taper # 6 (F) x Horizontal Entry	41405	50	120	15.4
STAKE ADAPTOR Taper # 6 (F) x Vertical Entry	41415	50	130	16.3
TUBE ASSEMBLY 300 mm off-take tube Taper # 6 (M)	43655	25	55	10.5
TUBE ASSEMBLY 600 mm off-take tube Taper # 6 (M)	43665	25	26	8.9
ASTA™ MICRO MATE™ STAKE	43625	25	38	15.3



PRESS FIT



- Contract a professional irrigation designer; insist on a system to suit your plants and your soil.
- Install efficient micro-irrigation emitters wherever possible.
- Install an irrigation controller with multiple programmes, seasonal adjustment, and a rain switch. Consider soil moisture devices.
- Mulch around your plants to conserve water in the soil.
- Irrigate to encourage deep roots - but don't over-irrigate.
- Monitor your water use – you may need expert advice.
- Check and clean the various components of your system at the beginning and end of the irrigation season to make sure they are working properly.

FILTRATION

It is easier to clean a single filter than many emitters. An effective filter which protects downstream components, is an important feature of all irrigation systems.

Four types of filters are used to protect irrigation systems:

Screen filters – typically used for relatively clean water (eg. city water) but not recommended where organics such as algae are present. They usually comprise a plastic or stainless steel screen and should be manually cleaned on a regular basis according to the degree of clogging that has occurred.

Disc filters – these are made up of moulded plastic discs, stacked on top of one another in the filter housing. The discs are grooved according to the rating of the filter. The grooves become gradually blocked over time with the contaminants in the water. Manual cleaning involves loosening the disc cartridge and washing the discs individually.

Sand media filters – these filters are pressurised tanks containing sand and are primarily used where organic matter content of the water is high. The dimensions of the sand grains are chosen according to the size of the emitter orifice they are intended to protect.

Sand separators – strictly speaking, these are not filters, but are devices that cause the water to be rotated in the body of the equipment. Centrifugal action forces heavier particles within the water to move to the outside of the stream and then fall to the base of the separator where they are collected and can be removed.

In summary, screen and disc filters are commonly used to protect drippers, jets, sprayers and mini-sprinklers irrigating residential gardens, and all four filter types are used in large-scale agricultural and commercial irrigation projects.

When specifying filtration requirements, it is necessary to refer to the minimum cross section dimensions of drippers and the minimum nozzle size of jets, sprayers and mini sprinklers. The degree of filtration provided by a filter is described either in terms of the size of the holes in the screen in microns, or the number of holes per linear inch. The conversions given below are approximate.

Drip Irrigation

Although variable, the dimensions of the smallest pathways in drip emitters are unlikely to be less than 0.6mm. If organic matter is present in the water at high levels, such an emitter will require protection by a 75 micron / 200 mesh filter. If there is only inorganic matter present, a 175 micron / 80 mesh screen will be adequate.

Jets and Sprayers

Minimum orifice size is generally not less than 0.8mm, in which case a filter with a 100 micron / 140 mesh screen will cope with an organic load in the water. A 250 micron / 60 mesh screen will be adequate if only inorganic material is present.

Mini Sprinklers

With minimum orifice size around 1.5mm, filter screen size can vary from 175 micron / 80 mesh (organic matter present) to 500 micron / 35 mesh (only inorganic matter present).

If you are uncertain about the quality of your water supply, or the minimum orifice size of your chosen emitter, seek professional advice.



A compact valve box with 4 internal solenoid valves that connect to a 24Vac controller. Installation is uncomplicated and the eZyvalve®4 provides a trouble free way to distribute water to a micro irrigation system.

Features

- Pre-assembled with no internal pipe connections.
- High strength UV stabilised materials.
- Includes cable seal and wire connectors.
- Water, dust and pest resistant.
- Textured non-slip lid with o-ring seal and stainless steel screws.
- 3/4" BSP male threaded inlet and outlet connections.

Applications

Landscape, home gardens, greenhouses and nurseries. Above and below ground installation.



eZyvalve®4

Performance	
PRESSURE (kPa)	DISCHARGE (lpm)
50	13
100	18
150	22
200	25
250	28
300	31
350	34

eZyvalve®4

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
eZyvalve®4 - Valve Box 4 Solenoid Valves 3/4" BSPM 24Vac	16605	1	10	10.1



Braided Hose

Accessories

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
BRAIDED HOSE 1000 mm x 3/4" BSPF	90603	1	40	16.1
TAP ADAPTOR 1" BSPF x 3/4" BSPM	45825	25	30	12.0



eZyvalve®4 with Braided hose

Specifications

DIMENSIONS PACKAGED		CONNECTION TYPE	
LENGTH	105 mm	Inlet:	3/4" BSPM tapered
DEPTH	182 mm	Outlet:	3/4" BSPM parallel x 4
WIDTH	182 mm		
WEIGHT (approx)	1075 g		

OPERATING SPECIFICATIONS	
FLOW	1 L/min - 30 L/min
PRESSURE	20 kPa - 1250 kPa
AMBIENT TEMPERATURE	2°C - 60°C
ELECTRICAL	24Vac, inrush current 320 mA, holding current 260 mA at 50 Hz



Pressure Regulators



Designed for low-flow micro irrigation systems. Pressure Regulators restrict the outlet pressure, optimising emitter performance.

Features

- Inlet pressure range: 0 - 700 kPa.
- Operating flow: 0.4 - 30 lpm.
- Two outlet pressure options: 100 kPa or 175 kPa.
- 3/4" BSPF inlet x 3/4" BSPM outlet.
- High strength, chemically resistant ABS construction for durability.

Applications

Drip, spray and sprinkler systems in landscape applications. Ideally connected to taps, valves, tap timers and irrigation valves in a manifold system.



FITTINGS

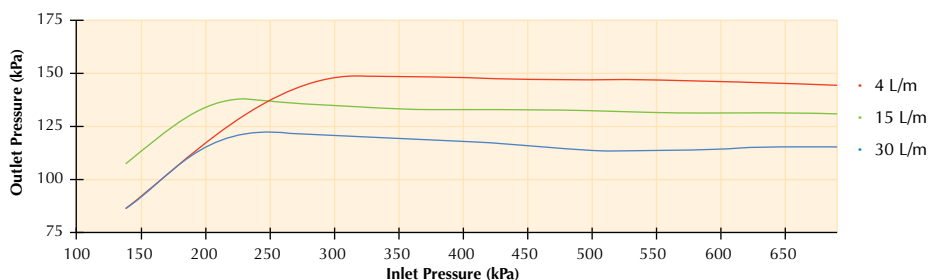
Pressure Regulators

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
3/4" BSPF Inlet x 3/4" BSPM Outlet - 100 kPa	49505	10	42	14.5
3/4" BSPF Inlet x 3/4" BSPM Outlet - 175 kPa	49535	10	42	14.5



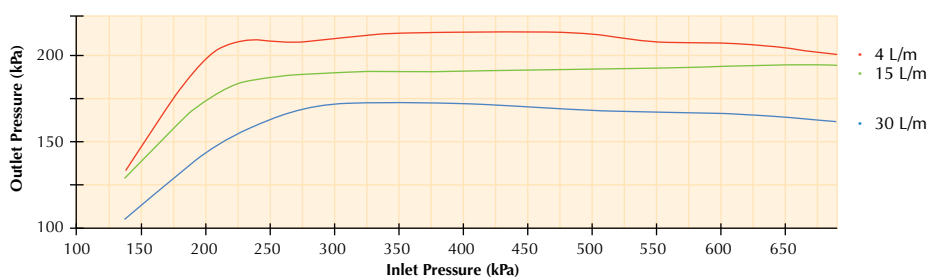
Pressure Regulator
100 kPa

Flow Rate: Pressure Regulator 100 kPa



Pressure Regulator
175 kPa

Flow Rate: Pressure Regulator 175 kPa



Specifications

DIMENSIONS		OPERATION	CONNECTION TYPE
LENGTH	68 mm	OUTLET PRESSURE: 100 kPa or 175 kPa FLOW RANGE TOTAL: 0.4 - 30 lpm	Inlet Base: 3/4" BSPF Outlet Base: 3/4" BSPM
WIDTH	34 mm		
WEIGHT (approx)	31 g		

- The Pressure Regulators must always be installed downstream from all shut-off valves, regardless of the application.
- Regulators should be installed with vent hole unobstructed.
- Do not use sealing compound (solvent cement). If needed, teflon tape may be used to seal for leaks.



Essential components in low pressure micro irrigation systems. Used in conjunction with standard low pressure tubing.

Features

- Micro fittings with single barb or 'Quick' thread connection.
- Key Punch™ makes 3 mm hole in tubing. Hexagonal base to install and remove spray jets and interchange their caps.
- Pocket Punch makes 3 mm hole in 13 mm PE tubing, installs and removes emitters.
- Punch 'n' Cut makes 3 mm or 4.5 mm hole into a range of PE tubing sizes, installs and removes emitters, and cuts PE tubing.

Applications

Home gardens, landscaping, glasshouses and hanging baskets.



Adaptors and Joiners



Adaptor 4 mm (F) x 1/2" FNPT thread



Adaptor 4 mm (F) x 1/2" MNPT



Adaptor barb x thread



Adaptor 4 mm (F) x 3/8" BSW thread



Joiner barb x barb hypodermic



Joiner



Tee



Cross



Key Punch™



Goof Plugs (rack of 10)



Pocket Punch



Punch 'n' Cut

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ADAPTOR 4.0 mm (F) x 1/2" FNPT thread	41015	25	80	7.6
ADAPTOR 4.0 mm (F) x 1/2" MNPT thread	41075	25	90	7.3
ADAPTOR 4.0 mm (F) x 3/8" BSW thread	41025	100	130	10.6
ADAPTOR 4.0 mm 'Quick' thread x thread	40925	100	260	14.4
ADAPTOR 4.0 mm barb x thread	40945	100	280	15.6
ADAPTOR 4.5 mm barb x thread	40995	100	250	15.3
JOINER 4.0 mm barb	40145	100	245	14.0
JOINER 4.5 mm barb	40195	100	240	17.0
JOINER 4.0 mm barb x barb hypodermic	40935	100	245	14.0

Elbows, Tees & Crosses

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ELBOW 4.0 mm barb	40245	50	490	14.0
ELBOW 4.5 mm barb	40295	50	420	13.5
TEE 4.0 mm barb	40345	50	315	11.8
TEE 4.5 mm barb	40395	50	300	13.0
CROSS 4.0 mm barb	40445	50	240	11.1
CROSS 4.5 mm barb	40495	50	220	12.1

Goof Plugs

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
GOOF PLUGS (rack of 10)	42325	10	250	7.2

Punches

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
KEY PUNCH™	42315	25	50	12.1
POCKET PUNCH	50048	1	160	9.4
PUNCH 'n' Cut	51098	1	110	15.9



Antelco Take-Off fittings provide an easy to install method of connecting low pressure irrigation tubing and drip lines to LDPE supply lines.

Features

- Reduce time and installation costs.
- 8 mm x 13 mm Elbow suitable for installation from 19 mm LDPE tube.
- 10 mm inlet fittings suitable for installation from 25 mm LDPE tube.
- Take-Off Elbows are ideal for installing drip lines at any angle to the supply line thus ensuring parallel lateral lines in sub surface or above ground drip systems.

Applications

Sub surface and above ground drip irrigation systems and landscape watering applications.



Take-Off Fittings

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
TAKE-OFF JOINER 10 mm x 13 mm	46405	25	120	11.4
TAKE-OFF JOINER 10 mm x 14 mm	46395	25	108	11.3
TAKE-OFF ELBOW 10 mm x 13 mm	46415	25	90	12.1
TAKE-OFF ELBOW 10 mm x 14 mm	46435	25	80	12.0
TAKE-OFF ELBOW 8 mm x 13 mm	46425	25	100	12.4



Take-Off Joiner
10 mm x 13 mm



Take-Off Joiner
10 mm x 14 mm



Take-Off Elbow
10 mm x 13 mm

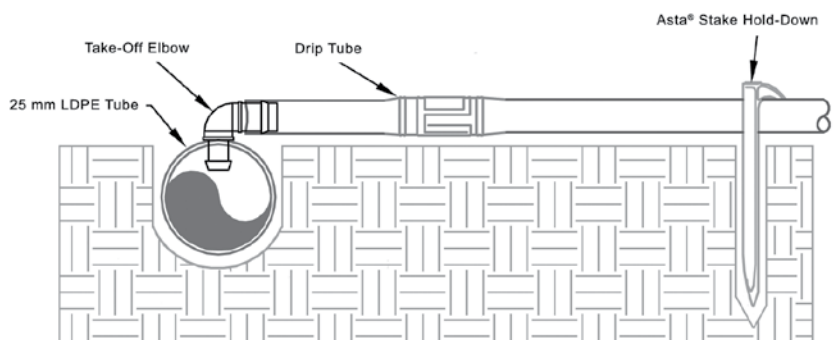
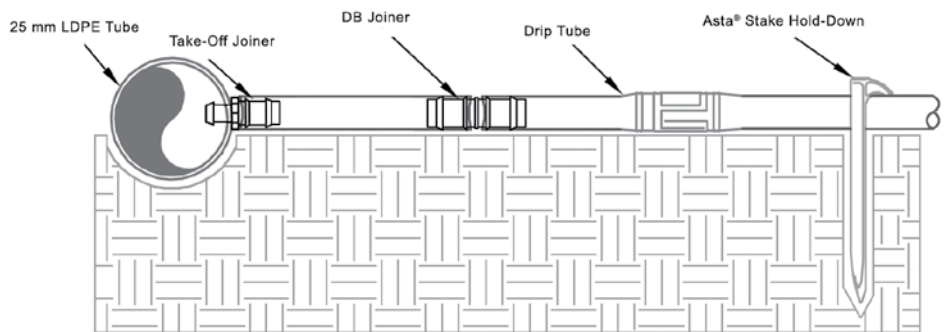


Take-Off Elbow
10 mm x 14 mm

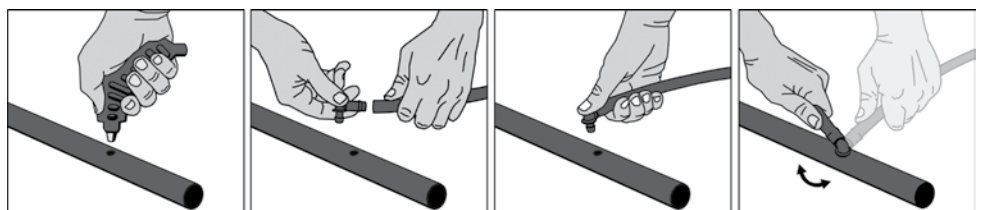


Take-Off Elbow
8 mm x 13 mm

Applications



Installation



- To install, use an 8 mm hole punch for Take-Off Elbow 8 mm x 13 mm.
- Use a 10 mm hole punch for 10 mm x 13 mm & 10 mm x 14 mm models.



Xpando® Take-Off Adaptors are an improved method for connecting low pressure irrigation tubes and drip lines from HDPE or uPVC pipes and sub mains with a Capo® Grommet.

Features

- Easy to install, reducing both time and cost of installation.
- Innovative Xpando® Take-Off Adaptor with collapsible barb prevents pull-out and reduces grommet damage during the installation process.
- Capo® Grommet with internal step combines with Xpando® interference barb to hold off-take firmly in place.
- UV stabilised materials for long life.

Applications

Agricultural, horticultural, vineyard and landscape applications.



Xpando® Take-Off Adaptors



Xpando® Take-Off Adaptor



Capo® Rubber Grommet



Drill Bit for Xpando®

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
XPANDO® 10 mm inlet x 14 mm take-off	45875	25	65	9.8
XPANDO® 10 mm inlet x 15 mm take-off	45885	25	56	9.3
XPANDO® 13 mm inlet x 13 mm take-off	45605	25	60	8.7
XPANDO® 13 mm inlet x 14 mm take-off	45595	25	60	9.5
XPANDO® 13 mm inlet x 15 mm take-off	45615	25	48	8.2
XPANDO® 16 mm inlet x 16 mm take-off	45635	25	35	8.8
XPANDO® 16 mm inlet x 18 mm take-off	45585	25	32	8.3
XPANDO® 19 mm inlet x 19 mm take-off	45665	25	26	9.4
XPANDO® 19 mm inlet x 21 mm take-off	45675	25	24	8.3
XPANDO® 19 mm inlet x 25 mm take-off	45685	25	18	8.0

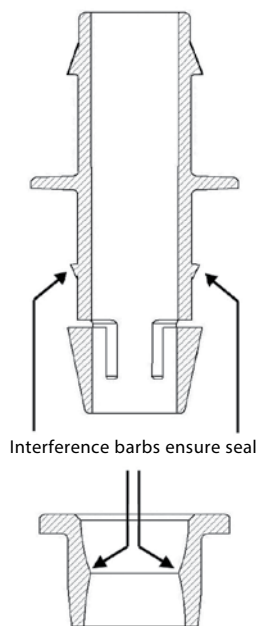
Capo® Rubber Grommets

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
CAPO® RUBBER GROMMET 10 mm	45725	100	40	12.7
CAPO® RUBBER GROMMET 13 mm	45735	100	40	10.6
CAPO® RUBBER GROMMET 16 mm	45745	100	24	9.6
CAPO® RUBBER GROMMET 19 mm	45755	100	18	10.4

Xpando® Drill Bits

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
14 mm DRILL BIT for 10 mm XPANDO®	51835	1	TBA	TBA
16 mm DRILL BIT for 13 mm XPANDO®	51845	1	TBA	TBA
19 mm DRILL BIT for 16 mm XPANDO®	51855	1	TBA	TBA
22 mm DRILL BIT for 19 mm XPANDO®	51865	1	TBA	TBA

Installation Instructions



Interference barbs ensure seal

XPANDO® TAKE-OFF ADAPTOR	NOM. PIPE SIZE (min. ID)	MIN. WALL THICKNESS	MAX. WALL THICKNESS	CAPO® GROMMET	HOLE SIZE GROMMET
XPANDO® 10 mm x 14 mm take-off XPANDO® 10 mm x 15 mm take-off	25 mm	1.5 mm	3.6 mm	10 mm (curved)	14 mm
XPANDO® 13 mm x 13 mm take-off XPANDO® 13 mm x 14 mm take-off XPANDO® 13 mm x 15 mm take-off	40 mm	1.5 mm	2.3 mm	13 mm	16 mm
XPANDO® 16 mm x 16 mm take-off XPANDO® 16 mm x 18 mm take-off	50 mm	1.5 mm	3.6 mm	16 mm	19 mm
XPANDO® 19 mm x 19 mm take-off XPANDO® 19 mm x 21 mm take-off XPANDO® 19 mm x 25 mm take-off	50 mm	1.5 mm	6.0 mm	19 mm	22 mm



The DB range of purpose designed quality acetal fittings provide high retention in low pressure poly tubing for long-term reliability of connections.

Features

- Double barb for increased retention.
- Sharp-edged barbs create leak-proof seal.
- Increased strength and superior quality.
- Heat, chemical and wear resistant.
- UV stabilised materials for long life.

Applications

Low pressure micro irrigation systems.



DB Joiner



DB Reducing Joiner



DB Elbow



DB Reducing Elbow



DB Director 1/2" MNPT

DB Joiners

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB JOINER 13 mm	47005	25	90	11.0
DB JOINER 14 mm	47015	25	72	10.2
DB JOINER 15 mm	46975	25	64	10.2
DB JOINER 16 mm	47025	25	56	9.5
DB JOINER 17 mm	47815	25	50	9.9
DB JOINER 18 mm	47035	25	50	9.8
DB JOINER 19 mm	46985	25	40	8.8
DB JOINER 21 mm	47045	25	34	8.6
DB JOINER 25 mm	46995	25	20	7.2

DB Reducing Joiners

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB REDUCING JOINER 16 mm x 14 mm	47075	25	60	9.7
DB REDUCING JOINER 18 mm x 14 mm	47085	25	56	10.2
DB REDUCING JOINER 19 mm x 13 mm	47055	25	54	9.9
DB REDUCING JOINER 19 mm x 15 mm	47125	25	50	9.9
DB REDUCING JOINER 19 mm x 17 mm	47855	25	45	9.4
DB REDUCING JOINER 19 mm x 18 mm	47155	25	40	8.5
DB REDUCING JOINER 25 mm x 13 mm	47065	25	32	8.7
DB REDUCING JOINER 25 mm x 14 mm	47105	25	32	8.6
DB REDUCING JOINER 25 mm x 15 mm	47135	25	28	8.0
DB REDUCING JOINER 25 mm x 16 mm	47145	25	28	8.1
DB REDUCING JOINER 25 mm x 18 mm	47175	25	26	7.8
DB REDUCING JOINER 25 mm x 19 mm	47195	25	26	7.9
DB REDUCING JOINER 25 mm x 21 mm	46965	25	24	7.7

DB Elbows

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB ELBOW 13 mm	47205	25	75	10.9
DB ELBOW 14 mm	47215	25	54	9.8
DB ELBOW 15 mm	47375	25	50	9.6
DB ELBOW 16 mm	47225	25	42	8.9
DB ELBOW 18 mm	47235	25	36	9.2
DB ELBOW 19 mm	47265	25	32	8.7
DB ELBOW 21 mm	47245	25	24	7.9
DB ELBOW 25 mm	47255	25	12	6.7

DB Reducing Elbows

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB REDUCING ELBOW 16 mm x 14 mm	47275	25	48	9.5
DB REDUCING ELBOW 19 mm x 15 mm	47305	25	40	9.4
DB REDUCING ELBOW 19 mm x 18 mm	47325	25	34	8.9

DB Director 1/2" MNPT

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB DIRECTOR 13 mm x 1/2" MNPT	48035	25	58	11.5
DB DIRECTOR 14 mm x 1/2" MNPT	48015	25	56	11.5
DB DIRECTOR 15 mm x 1/2" MNPT	48025	25	50	10.6
DB DIRECTOR 16 mm x 1/2" MNPT	48045	25	50	10.7

DB Fittings



The DB range can be confidently installed without clamps when matched to quality low pressure poly tubing with corresponding dimensions (refer to the tubing manufacturer for confirmation of suitability or test under field conditions). Operating pressures should not exceed 300 kPa.

Size Options:

- 13 mm - Suits nominal 13 mm I.D. tube
- 14 mm - Suits nominal 14 mm I.D. and 16 mm O.D. tube
- 15 mm - Suits nominal 15 mm I.D. and 17 mm O.D. tube
- 16 mm - Suits nominal 16 mm I.D. and 18 mm O.D. tube
- 18 mm - Suits nominal 18 mm I.D. and 20 mm O.D. tube
- 19 mm - Suits nominal 19 mm I.D. tube
- 21 mm - Suits nominal 21 mm I.D. and 23 mm O.D. tube
- 25 mm - Suits nominal 25 mm I.D. tube



DB Tees

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB TEE 13 mm	47405	25	40	8.6
DB TEE 14 mm	47415	25	30	8.1
DB TEE 15 mm	47395	25	28	7.9
DB TEE 16 mm	47425	25	24	7.5
DB TEE 18 mm	47435	25	22	8.1
DB TEE 19 mm	47605	25	18	7.1
DB TEE 21 mm	47445	25	16	7.7
DB TEE 25 mm	47455	25	10	6.8



DB Tee

DB Increasing Tees

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB INCREASING TEE 14 mm line x 16 mm branch	47475	25	26	7.6
DB INCREASING TEE 14 mm line x 19 mm branch	47485	25	26	8.2
DB INCREASING TEE 15 mm line x 19 mm branch	47505	25	26	8.6
DB INCREASING TEE 18 mm line x 19 mm branch	47525	25	26	7.6



DB Increasing Tee

DB Reducing Tees

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB REDUCING TEE 13 mm line x 4 mm branch	47765	25	56	10.1
DB REDUCING TEE 14 mm line x 4 mm branch	47465	25	48	9.4
DB REDUCING TEE 19 mm line x 13 mm branch	47535	25	22	8.0
DB REDUCING TEE 19 mm line x 14 mm branch	47755	25	22	8.2
DB REDUCING TEE 25 mm line x 13 mm branch	47585	25	13	7.3
DB REDUCING TEE 25 mm line x 14 mm branch	47695	25	13	7.4



DB Reducing Tee

DB End Plugs

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DB END PLUG 13 mm	47685	25	120	12.4
DB END PLUG 14 mm	47615	25	100	11.7
DB END PLUG 16 mm	47625	25	72	10.2
DB END PLUG 18 mm	47635	25	60	9.9
DB END PLUG 19 mm	47665	25	56	10.3
DB END PLUG 21 mm	47645	25	40	8.4



DB End Plug

Product Code Selection Guide

TUBE SIZE	JOINER	ELBOW	TEE	END PLUG	RATCHET CLAMP	GREEN BACK VALVE
13 mm I.D. tube	47005	47205	47405	47685	44305	45505
14 mm I.D. tube	47015	47215	47415	47615	44345	45575
15 mm I.D. tube	46975	47375	47395	-	44345	45555
16 mm I.D. tube	47025	47225	47425	47625	44335	45515
18 mm I.D. tube	47035	47235	47435	47635	44295	45565
19 mm I.D. tube	46985	47265	47605	47665	44315	45525
21 mm I.D. tube	47045	47245	47445	47645	44285	45535
25 mm I.D. tube	46995	47255	47455	-	44325	45545

* Refer to tubing manufacturer for conformation of suitability or test under field conditions

* Refer to page 5.7 & 6.2 for Ratchet Clamp & Green Back Valve info



A range of polypropylene fittings designed to control, disperse, slow and divert water through a low pressure irrigation system. Used in conjunction with low pressure poly tubing.

Features

- Tapered entry on all barbed fittings for ease of installation.
- Range includes common Australian and International tube sizes.
- UV stabilised materials for long life.

Applications

Home gardens, landscaping and professionally installed irrigation systems.



Joiner



Reducing Joiner



Elbow



Threaded Elbow Male



Tee



Threaded Tee Male

Joiners

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
JOINER 13 mm	44705	25	90	6.9
JOINER 15 mm	46005	25	60	6.6
JOINER 18 mm	46015	25	50	7.1
JOINER 19 mm	44715	25	40	6.1
JOINER 21 mm	46025	25	36	5.9
JOINER 25 mm	44735	25	20	6.3
REDUCING JOINER 16 mm x 15 mm	46055	25	60	7.2
REDUCING JOINER 19 mm x 13 mm	44805	25	50	6.2
REDUCING JOINER 19 mm x 15 mm	46065	25	50	6.6
REDUCING JOINER 19 mm x 18 mm	46075	25	44	6.3
REDUCING JOINER 21 mm x 19 mm	46085	25	40	5.9
REDUCING JOINER 25 mm x 13 mm	44765	25	32	6.8
REDUCING JOINER 25 mm x 19 mm	44775	25	26	5.9

Elbows

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ELBOW 13 mm	44835	25	75	6.6
ELBOW 19 mm	44865	25	36	5.6
ELBOW 25 mm	44875	25	14	5.8
THREADED ELBOW 13 x 1/2" BSPF	44955	25	28	8.5
THREADED ELBOW 19 x 1/2" BSPF	44965	25	24	7.7
THREADED ELBOW 25 x 1/2" BSPF	44975	25	16	6.7
THREADED ELBOW 13 x 1/2" BSPM	44885	25	34	6.4
THREADED ELBOW 19 x 1/2" BSPM	44905	25	36	5.8
THREADED ELBOW 19 x 3/4" BSPM	44915	25	25	5.6
THREADED ELBOW 25 x 1/2" BSPM	44925	25	17	6.2
THREADED ELBOW 25 x 3/4" BSPM	44935	25	14	6.2
THREADED CORNER ELBOW 19 mm x 1/2" BSPM	45005	25	16	8.7
REDUCING ELBOW 16 x 15 mm	46155	25	50	7.3
REDUCING ELBOW 19 x 15 mm	46165	25	36	6.0
REDUCING ELBOW 19 x 18 mm	46175	25	35	6.3
REDUCING ELBOW 21 x 19 mm	46185	25	30	5.9

Tees

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
TEE 13 mm	45035	25	48	6.3
TEE 19 mm	45065	25	22	5.3
TEE 25 mm	45075	25	8	4.9
REDUCING TEE 19 mm line x 13 mm branch	45105	25	24	5.2
REDUCING TEE 21 mm line x 19 mm branch	46255	25	18	5.4
REDUCING TEE 25 mm line x 13 mm branch	45115	25	11	5.3
REDUCING TEE 25 mm line x 19 mm branch	45125	25	10	5.3
THREADED TEE 13 mm line x 1/2" BSPF branch	45155	25	18	6.9
THREADED TEE 19 mm line x 1/2" BSPF branch	45165	25	15	6.3
THREADED TEE 25 mm line x 1/2" BSPF branch	45175	25	10	5.8
THREADED TEE 13 mm line x 1/2" BSPM branch	45185	25	25	6.5
THREADED TEE 19 mm line x 1/2" BSPM branch	45205	25	22	5.2
THREADED TEE 19 mm line x 3/4" BSPM branch	45215	25	16	4.6
THREADED TEE 25 mm line x 1/2" BSPM branch	45225	25	10	5.4
THREADED TEE 25 mm line x 3/4" BSPM branch	45235	25	9	5.4
INCREASING TEE 15 mm line x 16 mm branch	46305	25	27	7.1
INCREASING TEE 15 mm line x 19 mm branch	46315	25	24	5.8
INCREASING TEE 18 mm line x 19 mm branch	46325	25	20	5.5

Directors, Clamps, End Plugs & Saddles



Used with polyethylene tubing in low pressure irrigation systems.

Features

- Directors adapt tubes to valves and female fittings.
- Ratchet Clamps with smooth edge require no tools for installation.
- Compatible with Australian and International tube sizes.
- Operating pressure range up to 300 kPa.
- UV stabilised materials for long life.

Applications

Ratchet Clamps secure polyethylene tube to a wide range of fittings. End Plugs terminate irrigation supply. Saddles and Clips secure irrigation tubes.



Directors



Director



Ratchet Clamp



End Plug



End Sleeve



Cross 13 mm



Saddle Clip



Saddle Clamp

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
DIRECTOR 13 mm x 1/2" BSPM	45255	25	45	6.5
DIRECTOR 13 mm x 3/4" BSPM	45265	25	35	6.9
DIRECTOR 13 mm x 1" BSPM	45275	25	20	6.9
DIRECTOR 19 mm x 1/2" BSPM	45285	25	40	6.8
DIRECTOR 19 mm x 3/4" BSPM	45295	25	30	6.7
DIRECTOR 19 mm x 1" BSPM	45305	25	18	6.7
DIRECTOR 25 mm x 3/4" BSPM	45325	25	23	7.0
DIRECTOR 25 mm x 1" BSPM	45315	25	15	6.2

Ratchet Clamps

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
RATCHET CLAMP #15 (tube OD 15 mm - 16 mm)	44305	100	50	12.4
RATCHET CLAMP #17 (tube OD 16 mm - 18 mm)	44345	100	45	11.2
RATCHET CLAMP #18 (tube OD 17 mm - 19 mm)	44335	100	45	11.2
RATCHET CLAMP #20 (tube OD 19 mm - 21 mm)	44295	100	40	11.1
RATCHET CLAMP #22 (tube OD 21 mm - 23 mm)	44315	100	35	10.6
RATCHET CLAMP #23 (tube OD 22 mm - 24 mm)	44285	100	32	10.6
RATCHET CLAMP #28 (tube OD 27 mm - 30 mm)	44325	100	16	10.0

End Plugs, End Sleeve & Cross

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
END PLUG 13 mm	44555	25	110	7.2
END PLUG 19 mm	44565	25	50	7.0
END PLUG 25 mm	44575	25	24	7.0
END SLEEVE 13 mm	44605	25	40	5.4
CROSS 13 mm	44635	25	26	4.2

Saddle Clips & Saddle Clamps

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
SADDLE CLIP 4 mm with nail	45355	100	170	18.2
SADDLE CLIP 13 mm with nail	45365	100	56	18.7
SADDLE CLAMP 4 mm	45395	100	90	9.3
SADDLE CLAMP 13 mm	45405	100	45	7.2
SADDLE CLAMP 19 mm	45415	100	26	6.6

FITTINGS



A range of quick connect fittings specifically to adapt polyethylene irrigation tubes to snap-on fittings. Connect to tap adaptors, tap timers, manifold and multi outlet distributors.

Features

- Simple to use ergonomic design.
- UV35+ 'O'-Ring™ silicone to resist ultra violet degradation.
- Tap Adaptor suits snap-on connections.
- UV stabilised materials for long life.

Applications

Home gardens and landscaping applications.



Tap Adaptor Reducing Bush



Tap Adaptor BSPF x BSPM

Snap-On Tap Adaptors

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
SNAP-ON TAP ADAPTOR 3/4" BSPF	45775	25	38	10.0
SNAP-ON TAP ADAPTOR 1" BSPF	45785	25	30	9.8
TAP ADAPTOR Reducing Bush 1" BSPM x 3/4" BSPF	45815	25	44	9.3
TAP ADAPTOR 1" BSPF x 3/4" BSPM	45825	25	30	12.0



Snap-On Tap Adaptor

Snap-On Connectors

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
SNAP-ON CONNECTOR x 13 mm barb	45465	25	35	12.2
SNAP-ON CONNECTOR x 16 mm barb	45475	25	32	12.0
SNAP-ON CONNECTOR x 19 mm barb	45485	25	28	10.9
SNAP-ON CONNECTOR x 3/4" BSPF	44455	25	25	12.9



Snap-On Connector Barb



Snap-On Connector Thread 3/4"

Snap-On Joiner

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
SNAP-ON JOINER x 13 mm barb	45455	25	100	8.9



Snap-On Joiner

Washers & UV35+ 'O'-Ring™

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
WASHER suits 3/4" Nut & Tail, Snap-On Tap Adaptor	44075	100	115	9.5
WASHER suits 1" Nut & Tail, Snap-On Tap Adaptor	44085	100	70	8.7
UV35+ 'O'-Ring™	45865	100	300	10.7



Washer



UV35+ 'O'-Ring™

Nuts and Tails

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
NUT AND TAIL with Washer 3/4" BSPF x 13 mm	44005	25	34	10.3
NUT AND TAIL with Washer 3/4" BSPF x 14 mm	44065	25	34	10.6
NUT AND TAIL with Washer 3/4" BSPF x 16 mm	44055	25	34	10.9
NUT AND TAIL with Washer 3/4" BSPF x 19 mm	44015	25	30	9.4
NUT AND TAIL with Washer 1" BSPF x 13 mm	44025	25	27	10.3
NUT AND TAIL with Washer 1" BSPF x 19 mm	44035	25	23	9.6
NUT AND TAIL with Washer 1" BSPF x 25 mm	44045	25	18	9.0

Blank Nuts

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
BLANK NUT 3/4" BSPF with washer	44505	25	50	10.6
BLANK NUT 1" BSPF with washer	44515	25	36	10.3



Nut and Tail



Blank Nut



Filtration device designed to trap foreign particles in the water and reduce clogging of emitters.

Features

- In-Line model with single barb inlet and outlet.
- Snap-On model for direct connection to standard tap adaptors.
- 80 mesh screen filter.
- Easily taken apart for cleaning.
- Effective compact filter with minimal flow loss.

Applications

For low pressure (up to 300 kPa) micro irrigation systems.



In-Line Filters: 80 Mesh Screen

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
IN-LINE FILTER 13 mm barb	44355	25	14	10.9
IN-LINE FILTER 14 mm barb	44395	25	14	10.2
IN-LINE FILTER 16 mm barb	44365	25	12	9.9
IN-LINE FILTER 19 mm barb	44375	25	6	7.4

Snap-On Filters: 80 Mesh Screen

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
SNAP-ON FILTER 13 mm barb	44405	25	10	9.5
SNAP-ON FILTER 14 mm barb	44435	25	10	9.5
SNAP-ON FILTER 16 mm barb	44415	25	8	9.7
SNAP-ON FILTER 19 mm barb	44425	25	6	8.5



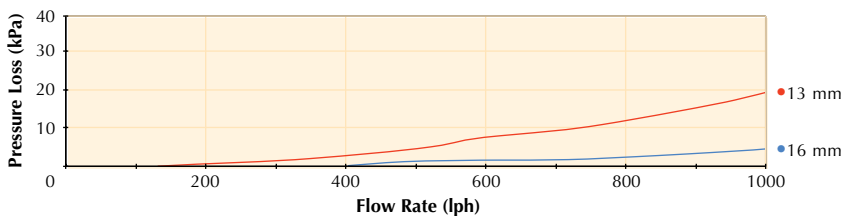
In-Line Filter

Snap-On Filter

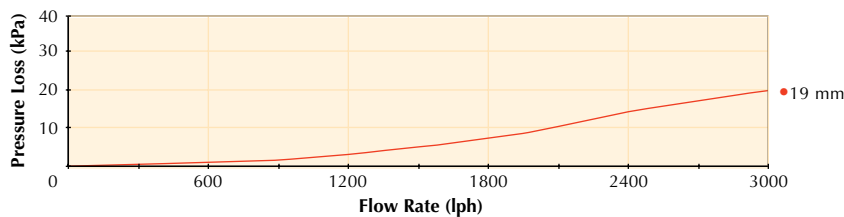


In-Line Filter screen detail

Pressure Loss: 13 mm and 16 mm Filter



Pressure Loss: 19 mm Filter



Specifications: In-Line Filter

DIMENSIONS ASSEMBLED	13,14, 16 mm	19 mm	MATERIAL	BASE/CONNECTION TYPE
LENGTH	132 mm	175 mm	TAIL Inlet: acetal	Inlet: BARB 13, 14, 16 or 19 mm Outlet: BARB 13, 14, 16 or 19 mm
WIDTH	33 mm	40 mm	BODY Filter & NUT: polyprop.	
WEIGHT (approx)	28 g	43 g	WASHER: rubber	
			SCREEN: HDPE	

Specifications: Snap-On Filter

DIMENSIONS ASSEMBLED	13,14, 16 mm	19 mm	MATERIAL	BASE/CONNECTION TYPE
LENGTH	134 mm	175 mm	BODY Snap-On Inlet: acetal	Inlet: SNAP-ON CONNECTOR Outlet: BARB 13, 14, 16 or 19 mm
WIDTH	33 mm	40 mm	BODY Filter & SLEEVE Snap-On: polyprop.	
WEIGHT (approx)	35 g	51 g	WASHER: rubber	
			SCREEN: HDPE	



This product has been independently tested by the Australian Irrigation Technology Centre, report No A98052 and A00007.



On-off device to control the water flow in low pressure irrigation systems.

Features

- Simple on-off operation and straight through flow.
- Operating pressure range up to 300 kPa.
- Green Back® cap for standard irrigation applications.
- Purple Back® cap for recycled water applications.
- UV stabilised materials for long life.

Applications

Secondary zone water diversion and flow control. Always install as an in-line valve with tubes connected to both inlet and outlet.



Vari-Flow™
thread x thread



Vari-Flow™
barb x barb



Green Back® Valve



Purple Back® Valve

Vari-Flow™ Valve

TYPE	COLOUR	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
VARI-FLOW™ VALVE barb x barb 4.5 mm	Black	42155	50	90	11.5
VARI-FLOW™ VALVE thread x thread 4.0 mm	Black	42115	50	90	11.5
VARI-FLOW™ VALVE thread x thread 4.0 mm	Green/Yellow	42125	50	90	11.5

Green Back® Valve

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
GREEN BACK® VALVE 13 mm (Shank OD 12.6 mm)	45505	20	25	9.4
GREEN BACK® VALVE 14 mm (Shank OD 14.0 mm)	45575	20	25	9.6
GREEN BACK® VALVE 15 mm (Shank OD 14.6 mm)	45555	20	25	9.5
GREEN BACK® VALVE 16 mm (Shank OD 15.7 mm)	45515	20	24	9.9
GREEN BACK® VALVE 18 mm (Shank OD 17.6 mm)	45565	20	10	8.9
GREEN BACK® VALVE 19 mm (Shank OD 19.0 mm)	45525	20	10	8.7
GREEN BACK® VALVE 21 mm (Shank OD 20.8 mm)	45535	20	10	9.3
GREEN BACK® VALVE 25 mm (Shank OD 25.0 mm)	45545	20	4	7.1

Purple Back® Valve

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
PURPLE BACK® VALVE 13 mm (Shank OD 12.6 mm)	46505	20	25	9.4
PURPLE BACK® VALVE 14 mm (Shank OD 14.0 mm)	46575	20	25	9.6
PURPLE BACK® VALVE 15 mm (Shank OD 14.6 mm)	46555	20	25	9.5
PURPLE BACK® VALVE 16 mm (Shank OD 15.7 mm)	46515	20	24	9.9
PURPLE BACK® VALVE 18 mm (Shank OD 17.6 mm)	46565	20	10	8.9
PURPLE BACK® VALVE 19 mm (Shank OD 19.0 mm)	46525	20	10	8.7
PURPLE BACK® VALVE 21 mm (Shank OD 20.8 mm)	46535	20	10	9.3
PURPLE BACK® VALVE 25 mm (Shank OD 25.0 mm)	46545	20	4	7.1

Specifications: Vari-Flow™ Valve

DIMENSIONS ASSEMBLED	4.5 mm	4.0 mm
HEIGHT	21 mm	21 mm
LENGTH	40 mm	40 mm
WIDTH	15 mm	15 mm
WEIGHT (approx)	2.5 g	2.5 g
UV STABILISED MATERIALS	BODY acetal KNOB HDPE	BODY acetal KNOB HDPE
BASE/CONNECTION TYPE	BARB 4.5 mm	10-32 UNF THREAD 4 mm

Specifications: Green Back® Valve and Purple Back® Valve

DIMENSIONS ASSEMBLED	13 mm, 14 mm 15 mm, 16 mm	18 mm, 19 mm 21 mm	25 mm
HEIGHT	40 mm	60 mm	71 mm
LENGTH	81 mm	100 mm	124 mm
WIDTH	28 mm	41 mm	53 mm
WEIGHT (approx)	18 g	49 g (18, 19mm) 50 g (21mm)	81 g
UV STABILISED MATERIALS	BODY acetal STEM HDPE COVER acetal	BODY acetal STEM polypropylene COVER acetal	BODY acetal STEM polypropylene COVER acetal
BASE/CONNECTION TYPE	BARB	BARB	BARB



Threaded flow control valves for low pressure irrigation.

Features

- 3/4" BSP Male threaded inlet or 1/2" MNPT threaded inlet.
- Simple on-off operation and straight through flow.
- Operating pressure range up to 300 kPa.
- Green Back[®] cap for standard irrigation applications.
- Purple Back[®] cap for recycled water applications.
- UV stabilised materials for long life.

Applications

Irrigation from rain tanks, non-pressurised containers or where 1/2" MNPT or 3/4" BSPM threaded connection is required.



Threaded Green Back[®] Valve 1/2" MNPT



Threaded Green Back[®] Valve 1/2" MNPT

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
GREEN BACK [®] VALVE 13 mm barb x 1/2" MNPT	49005	20	22	9.8
GREEN BACK [®] VALVE 14 mm barb x 1/2" MNPT	49015	20	22	9.9
GREEN BACK [®] VALVE 15 mm barb x 1/2" MNPT	49025	20	22	9.8
GREEN BACK [®] VALVE 16 mm barb x 1/2" MNPT	49035	20	22	10.3

Threaded Purple Back[®] Valve 1/2" MNPT



Threaded Purple Back[®] Valve 1/2" MNPT

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
PURPLE BACK [®] VALVE 13 mm barb x 1/2" MNPT	49105	20	22	9.8
PURPLE BACK [®] VALVE 14 mm barb x 1/2" MNPT	49115	20	22	9.9
PURPLE BACK [®] VALVE 15 mm barb x 1/2" MNPT	49125	20	22	9.8
PURPLE BACK [®] VALVE 16 mm barb x 1/2" MNPT	49135	20	22	10.3

Threaded Green Back[®] Valve 3/4" BSPM



Threaded Green Back[®] Valve 3/4" BSPM

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
GREEN BACK [®] VALVE 13 mm barb x 3/4" BSPM	46605	20	22	10.4
GREEN BACK [®] VALVE 14 mm barb x 3/4" BSPM	46675	20	22	10.6
GREEN BACK [®] VALVE 15 mm barb x 3/4" BSPM	46655	20	22	10.5
GREEN BACK [®] VALVE 16 mm barb x 3/4" BSPM	46615	20	21	10.9
GREEN BACK [®] VALVE 18 mm barb x 3/4" BSPM	46685	20	8	9.0
GREEN BACK [®] VALVE 19 mm barb x 3/4" BSPM	46695	20	8	9.0
GREEN BACK [®] VALVE 21 mm barb x 3/4" BSPM	46595	20	8	9.0

Threaded Purple Back[®] Valve 3/4" BSPM



Threaded Purple Back[®] Valve 3/4" BSPM

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
PURPLE BACK [®] VALVE 13 mm barb x 3/4" BSPM	46705	20	22	10.4
PURPLE BACK [®] VALVE 14 mm barb x 3/4" BSPM	46775	20	22	10.6
PURPLE BACK [®] VALVE 15 mm barb x 3/4" BSPM	46755	20	22	10.5
PURPLE BACK [®] VALVE 16 mm barb x 3/4" BSPM	46715	20	21	10.9
PURPLE BACK [®] VALVE 18 mm barb x 3/4" BSPM	46785	20	8	9.0
PURPLE BACK [®] VALVE 19 mm barb x 3/4" BSPM	46795	20	8	9.0
PURPLE BACK [®] VALVE 21 mm barb x 3/4" BSPM	46805	20	8	9.0

Specifications: Threaded Valves 1/2" MNPT & 3/4" BSPM

DIMENSIONS ASSEMBLED	1/2" MNPT	3/4" BSPM	
		13 mm, 14 mm, 15 mm, 16 mm	18 mm, 19 mm, 21 mm
HEIGHT	41 mm	44 mm	60 mm
LENGTH	81 mm	81 mm	103 mm
WIDTH	28 mm	28 mm	41 mm
WEIGHT (APPROX)	21 g	22 g	53 g (18, 19mm) 54 g (21mm)
UV STABILISED MATERIALS	BODY acetal STEM HDPE COVER acetal	BODY acetal STEM HDPE COVER acetal	BODY acetal STEM polypropylene COVER acetal
BASE/CONNECTION TYPE	1/2" MNPT Thread x Barb	3/4" BSPM Thread x Barb	



Threaded & Barbed Stakes & Adaptors

Quality fittings for accurate, secure sprinkler placement.

Features

- Three inlet connection adaptors available for use with Jumbo Stake™ and Collar Pipe Stake™.
- Collar Pipe Stake™ for use with 26.7 mm OD PVC pipe.
- Rod Stake for use with 5 mm OD steel rod.
- Stake Adaptor available with 5 mm, 10 mm and 13 mm connections.
- UV stabilised materials for long life.

Applications

Jumbo Stake™, Collar Pipe Stake™, Stake Adaptors and Rod Stake Adaptor assemblies are all compatible with Rotor Rain™ 3/8" based sprinklers; Micro Stake and Jet Stake are suited to Micro Spray and Rotor Spray™ installations.



Jumbo Stake™ Assembly with Adaptor to suit 3/8" BSPM Products

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
JUMBO STAKE™ 5 mm Adaptor	40555	170	1	6.7
JUMBO STAKE™ 10 mm Adaptor	40515	170	1	6.7
JUMBO STAKE™ 13 mm Adaptor	40535	170	1	6.8

Collar Pipe Stake™ Assembly with Adaptor to suit 3/8" BSPM Products

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
COLLAR PIPE STAKE™ 5 mm Adaptor	40655	50	10	5.5
COLLAR PIPE STAKE™ 10 mm Adaptor	40615	50	10	6.0
COLLAR PIPE STAKE™ 13 mm Adaptor	40635	50	10	6.2

Stake Adaptor to suit 3/8" BSPM Products

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
STAKE ADAPTOR 5 mm x 3/8" BSPF	40755	50	40	6.8
STAKE ADAPTOR 10 mm x 3/8" BSPF	40715	50	34	6.7
STAKE ADAPTOR 13 mm x 3/8" BSPF	40735	50	34	7.0

Rod Stake Adaptor™ to suit 3/8" BSPM Products

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ROD STAKE ADAPTOR™ 5 mm x 3/8" BSPF	40815	50	35	7.1
ROD STAKE ADAPTOR™ 10 mm x 3/8" BSPF	40855	50	24	5.7

Jet Stake

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
JET STAKE – accepts Rigid Riser	40845	200	1	7.2

Micro Stakes

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
MICRO STAKE 4 mm entry	40825	200	1	5.9
MICRO STAKE with 400 mm off-take tube	40835	100	1	4.0
MICRO STAKE with 500 mm off-take tube	40784	25	4	5.4





Asta® Stake Registered Design

The Asta® Stake range provides a variety of solutions for stabilising the components of micro irrigation systems.

Features

- Asta® Stakes available in 4 height options.
- Asta® Stakes suitable for plasticised PVC and polyethylene tubing (6.9 mm OD).
- Asta® Stake Hold-Down locates and secures polyethylene tubing (up to 22 mm OD).
- Asta® Stake Assemblies suitable for most micro spray and micro sprinkler installations with 4 mm inlets.
- UV stabilised materials for long life.

Applications

Asta® Stakes for rigid riser stability; Asta® Stake Hold-Down for securing drip and micro irrigation systems; Asta® Stake Assemblies for home gardens and landscape applications.



Asta® Stakes

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ASTA® STAKE 200 mm	40885	25	28	9.9
ASTA® STAKE 310 mm	40875	25	20	10.8
ASTA® STAKE 420 mm	40895	25	12	9.1
ASTA® STAKE 530 mm	40905	25	10	9.5

Asta® Clip Stake

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ASTA® CLIP STAKE	43595	25	100	11.5

Asta® Stake Hold-Down

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ASTA® STAKE HOLD-DOWN	43615	25	25	10.0

Asta® Stake Adaptor

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ASTA® STAKE ADAPTOR 4 mm (F) x 4.5 mm barb	41005	100	120	12.4

Asta® Stake Assemblies

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
ASTA® STAKE ASSEMBLY w/300 mm off-take tube	43685	25	19	11.8
ASTA® STAKE ASSEMBLY w/600 mm off-take tube	43695	25	14	11.0

Rigid Risers

TYPE	ORDER CODE	PACK QUANTITY	PACKS PER CARTON	CARTON (kg)
200 mm with 'Quick' thread adaptor fitted	43125	100	26	12.6
300 mm with 'Quick' thread adaptor fitted	43135	100	18	13.8
450 mm with 'Quick' thread adaptor fitted	43145	100	11	12.8



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PUTTING WATER WHERE IT COUNTS!®

