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DRIPPERS

SPRAYS

SPRINKLERS

VALVES

FITTINGS

ACCESSORIES



Shrubbler® 360° & 180° Adjustable Flow



The original Shrubbler® with flow adjustment. Flow and coverage can be altered by rotating the cap.

Features

- Fingertip flow control with shut-off option.
- Spike models anchor Shrubbler® at the plant.
- Spike models suit 4 mm ID micro tube.
- Barb model for direct attachment to micro and supply tubes.
- 4 mm threaded model for installation into Rigid Risers and Asta® Stakes.
- 1/2" threaded model for riser pipe installations.

Applications

Pots, tubs, landscaped gardens and nurseries. Ideal for hanging baskets. In-Line Spike model suitable for planter boxes.

DRIPPERS

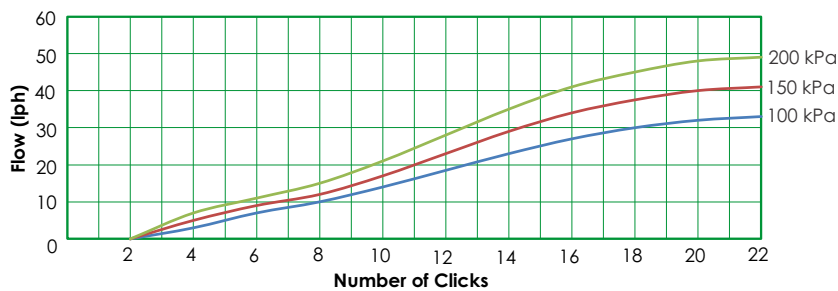
ADJUSTABLE



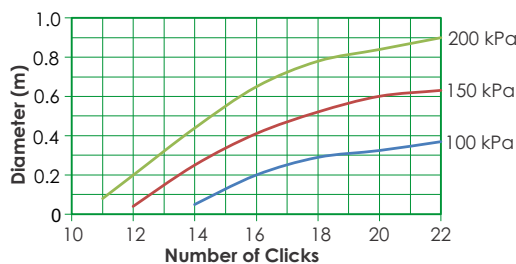
Performance Chart - Fully open (approx. 22 clicks)

Pattern		360° ✳	180° ⬇
Pressure (kPa)	Flow (lph)	Diameter (m)	Radius (m)
100	33	0.4	0.4
150	41	0.6	0.5
200	49	0.9	0.6

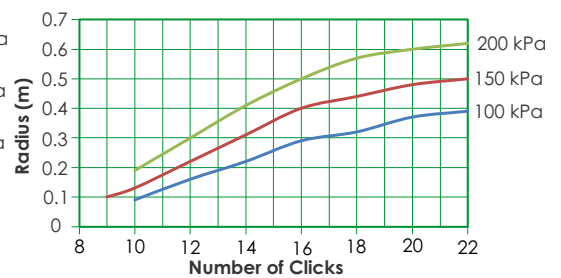
Flow Rate 360° & 180°



Diameter of Throw 360°



Radius of Throw 180°



Ordering Information - Shrubbler® 360°

Base Type	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
Barb 4 mm	31445	100	65	11.5
Thread 4 mm	31415	100	65	14.0
Thread 1/2" FNPT	31425	25	70	8.3
Spike	31495	25	40	6.3
Spike In-Line	30995	25	40	6.3

Ordering Information - Shrubbler® 180°

Base Type	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
Barb 4 mm	31245	100	65	11.5
Thread 4 mm	31215	100	65	14.0
Thread 1/2" FNPT	31225	25	70	8.3
Spike	31295	25	40	6.3

* For product specifications refer to Mini Bubbler (Page 3)

Potstream® Adjustable Flow



The Potstream® is a side mounted watering solution for pot plants and containers. The adjustable gentle stream pattern minimises soil erosion and the variable flow rate and pattern radius allows for use in various pot sizes.

Features

- Variable flow rate and pattern size suits pot diameters of 200 mm and upwards.
- Suits pot wall thickness up to 40 mm.
- Side mounted installation for neat location of the supply tube.
- Low application rate and gentle stream pattern.
- Easily adjustable knob for varying spray patterns.

Applications

Potted plants, planter boxes and containers.

Performance Chart

Pressure (kPa)	Flow (lph)	Radius (mm)
50	0 - 16	0 - 235
100	0 - 22	0 - 245
150	0 - 27	0 - 260
200	0 - 31	0 - 280
250	0 - 36	0 - 300
300	0 - 39	0 - 330

Potstream®



Ordering Information - Potstream®

Description	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Potstream® Adjustable Flow	31455	25	20	6.3

Specifications

Dimensions Assembled		UV Stabilised Material		Colour		Base/Connection Type	
HEIGHT	220 mm	STAKE	polypropylene	STAKE	Black	Inlet	BARB 4.5 mm
WIDTH	22 mm	KNOB	HDPE	KNOB	Black		
DEPTH	75 mm						
WEIGHT (approx.)	11 g						

Typical System

Key:

A - Pressure Regulator

B - Nut & Tail

C - Filter

D - Elbow

E - Take-off/Joiner

F - Tidy Bow™ Elbow

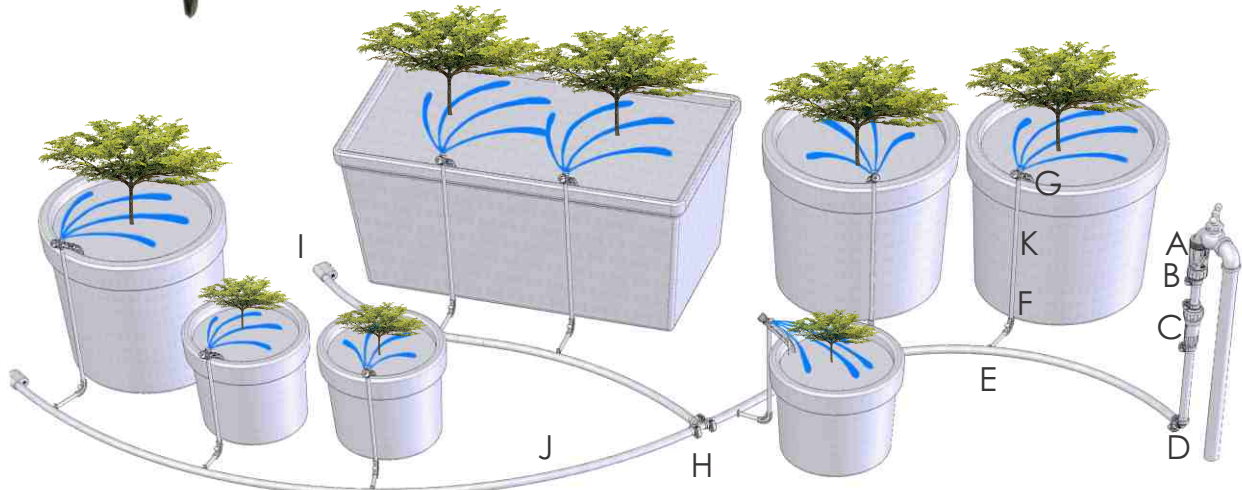
G - Potstream®

H - Tee

I - End Sleeve

J - 13 mm Supply Tube

K - 4 mm Micro Tube





Mini Bubbler 360° Adjustable Flow



High volume output with gentle umbrella pattern. Flow and coverage can be altered by rotating the cap.

Features

- Fingertip flow control with shut-off option.
- Spike model to anchor Mini Bubbler at the plant.
- Barb model for direct attachment to micro and supply tubing.
- 4 mm threaded model for installation into Rigid Risers and Asta® Stakes.
- 1/2" threaded model for riser pipe installations.

Applications

Street trees and shrubs. Higher flow rates allow for short watering times.

DRIPPERS

ADJUSTABLE



Mini Bubbler Spike
Inlet 4 mm



Mini Bubbler Barb 4 mm



Mini Bubbler Thread 4 mm

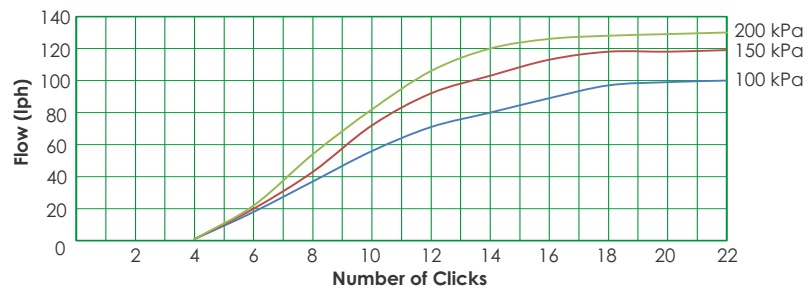


Mini Bubbler Thread 1/2" Female

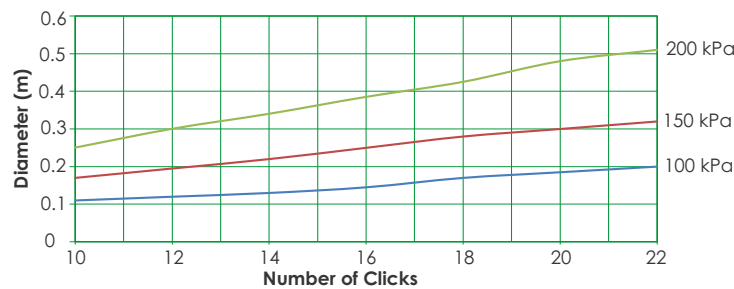
Performance Chart - Fully open (approx. 22 clicks)

Pattern		360°
Pressure (kPa)	Flow (lph)	Diameter (m)
100	100	0.2
150	119	0.3
200	130	0.5

Flow Rate



Diameter of Throw



Ordering Information - Mini Bubbler

Base Type	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
Barb 4 mm	31745	100	65	11.0
Thread 4 mm	31715	100	65	13.8
Thread 1/2" FNPT	31725	25	70	8.2
Spike	31795	25	40	6.3

Specifications - Shrubler® & Mini Bubbler

Dimensions Assembled		Barb	Thread	Thread 1/2"	Spike
HEIGHT		23 mm	23 mm	34 mm	135 mm
WIDTH		20 mm	20 mm	26 mm	42 mm
DEPTH		16 mm	16 mm	26 mm	16 mm
WEIGHT (approx.)		1.6 g	2.0 g	4.3 g	5.4 g
UV STABILISED MATERIAL	BASE CAP	polypropylene	acetal	polypropylene	polypropylene
BASE/CONNECTION TYPE: Inlet		BARB 4 mm	10-32 UNF THREAD 4 mm	THREAD 1/2" FNPT	BARB 4 mm



CETA[®] PC Dripper



A take apart pressure compensating dripper incorporating a turbulent flow path and diaphragm for uniform flow rates over a wide range of operating pressures.

Features

- Take apart for easy inspection and cleaning.
- Self-flushing cleaning action at low pressure.
- Outlet includes anti-insect baffle to reduce risk of blockages.
- 4 mm barbed dripper range with colour coded bases for easy identification 2 lph (Red), 4 lph (Black) & 8 lph (Green).
- 4 mm barbed range available with 4 mm barbed outlet options.
- 4 lph PC Spike & In-Line Spike models to anchor CETA[®] at the plant root.
- Constructed of high quality UV, chemical & fertiliser resistant materials.

Applications

Pots, planter boxes, balcony, patios and landscape.

DRIPPERS

PRESSURE COMPENSATING



CETA[®] PC In-Line Spike 4 lph Inlet 4 mm

CETA[®] PC Spike 4 lph Inlet 4 mm

CETA[®] PC 2 lph Barb 4 mm Outlet 4 mm

CETA[®] PC 4 lph Barb 4 mm Outlet 4 mm

CETA[®] PC 8 lph Barb 4 mm Outlet 4 mm

Performance Chart

Pressure (kPa)	Flow (lph)			
	2 lph	4 lph	8 lph	
50	1.9	3.3	6.2	
100	2.0	3.8	7.9	
150	2.2	4.2	7.9	
200	2.3	4.4	8.1	
250	2.3	4.4	8.1	
300	2.3	4.4	8.0	
350	2.2	4.3	7.8	
MINIMUM FLOW PATH DIMENSION (mm)		0.7 x 0.6	0.8 x 0.8	1.2 x 0.9

Ordering Information - CETA[®] PC 4 lph Spike

Base Type	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
Spike	30625	25	60	8.7
In-Line Spike	30655	25	50	7.7

Ordering Information - CETA[®] PC with 4 mm Barb Outlet

Flow	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
2 lph	30545	100	60	13.5
4 lph	30555	100	60	13.5
8 lph	30565	100	60	13.5

Specifications

Dimensions Assembled		CETA [®] PC with 4 mm barb outlet	CETA [®] PC Spike/ In-Line Spike
HEIGHT		35 mm	135 mm
WIDTH		20 mm	36 mm / 42 mm
DEPTH		16 mm	16 mm
WEIGHT (approx.)		2.0 g	5.0 g
UV STABILISED MATERIAL	BASE/SPIKE CAP DIAPHRAGM ADAPTOR	polypropylene polypropylene silicone rubber acetal	polypropylene polypropylene silicone rubber
CONNECTION TYPE:		Inlet BARB 4 mm	BARB 4 mm
		Outlet BARB 4 mm	SPOUT 4 mm

CETA[®] PC Dripper



A take apart pressure compensating dripper incorporating a turbulent flow path and diaphragm for uniform flow rates over a wide range of operating pressures.

Features

- Low manufacturing coefficient of variation (Cv) provides high performance (conforms to ISO 9261).
- Three colour coded flow rates: 2 lph (Red), 4 lph (Black) & 8 lph (Green).
- Self-flushing cleaning action at low pressures.
- Large clog resistant turbulent flow path.
- The CETA[®] dripper is able to be taken apart for inspection and cleaning.
- Anti-insect baffle to deter insect entry.
- Constructed of high quality UV, chemical & fertiliser resistant materials.

Applications

Vineyards, orchards, row crops and landscape.

Performance Chart

Pressure (kPa)	Flow (lph)		
	2 lph	4 lph	8 lph
50	1.9	3.3	6.2
100	2.0	3.8	7.9
150	2.2	4.2	7.9
200	2.3	4.4	8.1
250	2.3	4.4	8.1
300	2.3	4.4	8.0
350	2.2	4.3	7.8
MINIMUM FLOW PATH DIMENSION (mm)			
	0.7 x 0.6	0.8 x 0.8	1.2 x 0.9



CETA[®] PC
2 lph
Barb 4 mm

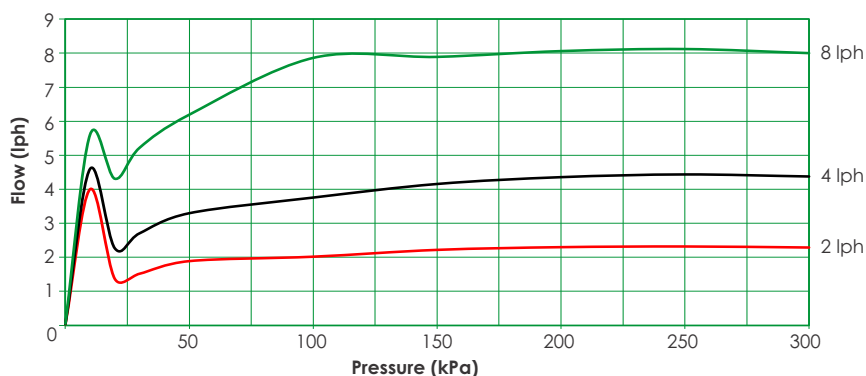


CETA[®] PC
4 lph
Barb 4 mm



CETA[®] PC
8 lph
Barb 4 mm

Flow Rate



Ordering Information - CETA[®] PC Barb

Flow	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
2 lph	30425	100	70	13.3
4 lph	30445	100	70	13.3
8 lph	30485	100	70	13.3

Specifications

Dimensions Assembled		CETA [®] PC
HEIGHT		25 mm
WIDTH		20 mm
DEPTH		16 mm
WEIGHT (approx.)		1.7 g
UV STABILISED MATERIAL	BASE CAP DIAPHRAGM	polypropylene polypropylene silicone rubber
CONNECTION TYPE:		
	Inlet	BARB 4 mm
	Outlet	SPOUT 4 mm



A pressure compensating drip emitter that provides a fixed diameter over a wide range of operating pressures. Gentle stream action with uniform coverage for all emitters on the same supply tube.

Features

- Pressure compensating operation maintains diameter of throw over a wide range of inlet pressures.
- Take apart for easy inspection and cleaning.
- Coloured cap for easy identification.
- UV stabilised materials for long life.
- Resistant to common agricultural chemicals & fertilisers.
- Patented design.

Applications

Pots, planter boxes, balcony, patio and landscape.

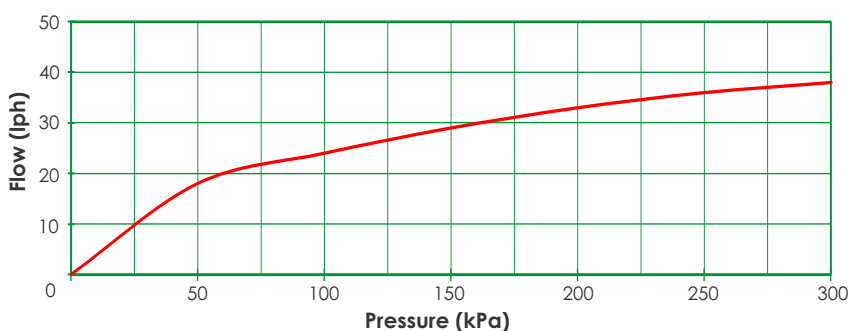
Performance Chart

Pressure (kPa)	360° ✱	
	Flow (lph)	Diameter (m)
100	24	0.3
150	29	0.4
200	33	0.4
250	36	0.4
300	38	0.4



Shrubbler® 360° PC
Spike
Inlet 4 mm

Flow Rate



Ordering Information - Shrubbler® 360° PC

Description	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Barb 4 mm	31685	100	70	13.1
Spike	31695	25	60	8.5



Shrubbler® 360° PC
Barb 4 mm

Specifications

Dimensions Assembled		Barb	Spike
HEIGHT		25 mm	135 mm
WIDTH		20 mm	16 mm
DIAMETER		15 mm	26 mm
WEIGHT (approx.)		1.7 g	5.4 g
UV STABILISED MATERIAL	BASE CAP DIAPHRAGM	polypropylene polypropylene silicone rubber	polypropylene polypropylene silicone rubber
BASE/CONNECTION TYPE: Inlet		BARB 4 mm	BARB 4 mm



Spectrum™ 360° Adjustable Spray



An adjustable flow, full circle vortex sprayer with fine water droplets. Flow and coverage can be altered by rotating the cap.

Features

- Finger tip flow control with shut-off option.
- Spike model to anchor Spectrum™ at the plant.
- 4 mm barb model for direct attachment to micro or supply tubing.
- 4 mm thread for installation into Rigid Risers and Asta® Stakes or Micro Stakes.
- 1/2" thread for riser pipe installations.

Applications

Pots, tubs, ground cover, landscaped gardens and nurseries. Waters large garden areas when used with Asta® Stakes and Risers.

SPRAYS



Spectrum™ Spike
Inlet 4 mm



Spectrum™ Barb 4 mm



Spectrum™ Thread 4 mm

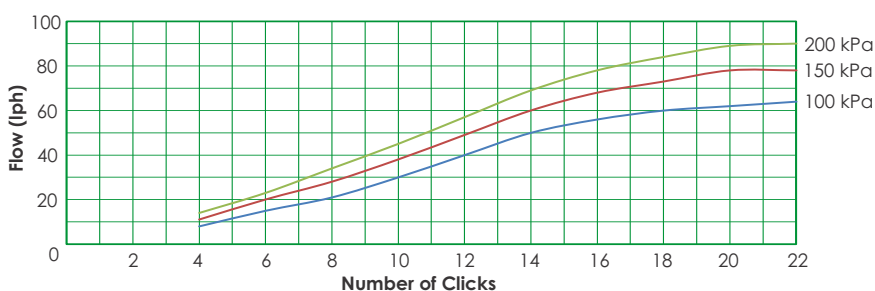


Spectrum™ Thread 1/2" Female

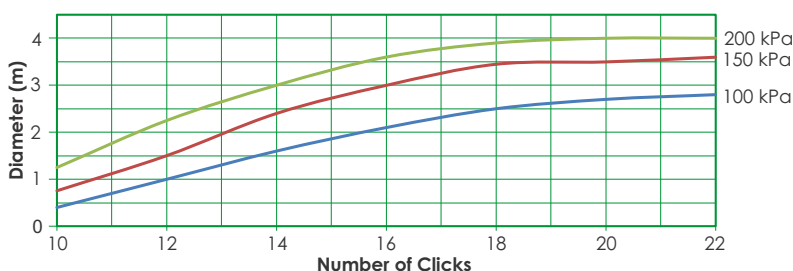
Performance Chart - Fully open (approx. 22 clicks)

Pressure (kPa)	360°	
	Flow (lph)	Diameter (m)
100	64	2.8
150	78	3.6
200	90	4.0

Flow Rate



Diameter of Throw



Ordering Information - Spectrum™ 360°

Base Type	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
Barb 4 mm	32045	50	100	11.8
Thread 4 mm	32015	50	100	13.8
Thread 1/2" Female	32025	25	65	9.1
Spike	32095	25	40	6.9

Specifications

Dimensions Assembled		Barb	Thread	Thread 1/2"	Spike
HEIGHT		26 mm	26 mm	37 mm	137 mm
WIDTH		20 mm	20 mm	26 mm	42 mm
DEPTH		16 mm	16 mm	26 mm	16 mm
WEIGHT (approx.)		1.7 g	2.1 g	4.9 g	5.5 g
UV STABILISED MATERIAL	BASE CAP DEFLECTOR	polypropylene polypropylene acetal	acetal polypropylene acetal	polypropylene polypropylene acetal	polypropylene polypropylene acetal
BASE/CONNECTION TYPE:		Inlet	BARB 4 mm 10-32 UNF THREAD 4 mm	THREAD 1/2" FNPT	BARB 4 mm

Single Piece Jets



Economical fan spray jet for effective watering.

Features

- Winged base with 'Quick' thread for easy installation.
- No tools required.
- Choice of three spray patterns – 360°, 180°, 90°.
- Four colour coded flow rates.

Applications

Home and landscaped gardens and horticultural applications.

Accessories

Asta® Stake, Rigid Riser and Micro Stake.

Performance Chart

Pattern			360°	180°	90°
Nozzle Size & Colour	Pressure (kPa)	Flow (lph)	Diameter (m)	Radius (m)	
1.0 mm Blue	50	25	1.6	0.8	1.1
	100	35	2.0	1.0	1.4
	150	43	2.4	1.2	1.7
1.5 mm Green	50	48	2.0	1.0	1.3
	100	70	2.4	1.2	1.6
	150	88	2.8	1.5	1.9
1.7 mm Black	50	62	2.4	1.2	1.6
	100	90	2.8	1.5	1.9
	150	113	3.2	1.8	2.2
1.9 mm Red	50	77	2.5	1.4	1.8
	100	110	3.0	1.7	2.1
	150	134	3.4	2.0	2.4



Single Piece Jet
Blue 90°



Single Piece Jet
Green 180°



Single Piece Jet
Red 360°

Ordering Information - Single Piece Jets

Spray Pattern & Colour	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
360° Blue	15445	100	250	16.6
180° Blue	15425	100	250	16.6
90° Blue	15415	100	250	16.6
360° Green	15545	100	250	16.6
180° Green	15525	100	250	16.6
90° Green	15515	100	250	16.6
360° Black	15645	100	250	16.6
180° Black	15625	100	250	16.6
90° Black	15615	100	250	16.6
360° Red	15745	100	250	16.6
180° Red	15725	100	250	16.6
90° Red	15715	100	250	16.6

Specifications

Dimensions		UV Stabilised Material	Base/Connection Type
HEIGHT	22 mm	acetal	Inlet 'QUICK' THREAD 4 mm
WIDTH across wings	12 mm		
WEIGHT (approx.)	0.6 g		



Micro Spray Jets: Caps and Bases



A large variety of flow rates and spray patterns are achievable when the range of caps and bases are assembled into two piece jets.

Features

- Caps available in eight spray patterns.
- Eight colour coded bases to identify flow rate.
- Jet assemblies made to order.
- Caps and bases can be ordered separately.

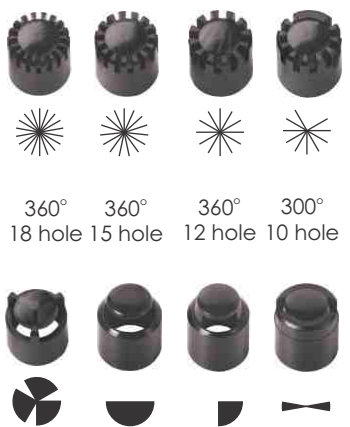
Applications

Assemblies suit garden bed watering and landscaped areas.

Accessories

Asta® Stake, Rigid Riser and Micro Stake.

SPRAYS



Ordering Information - Spray Caps

Spray Pattern & Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
360° x 18 hole	10845	100	500	15.1
360° x 15 hole	10855	100	500	15.1
360° x 12 hole	10865	100	500	15.1
300° x 10 hole	10875	100	500	15.1
270° (3 x 90°)	10835	100	500	15.1
180° fan	10825	100	500	15.1
90° fan	10815	100	500	15.1
Strip (2 x 20°)	10885	100	500	15.1

Ordering Information - Jet Bases

Nozzle Size & Colour	Base Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
0.8 mm Black	Winged	10705	100	310	17.2
0.9 mm Brown	Winged	10725	100	310	17.2
1.0 mm Blue	Winged	10715	100	310	17.2
1.3 mm Green	Winged	10735	100	310	17.2
1.5 mm Red	Winged	10755	100	310	17.2
1.8 mm Orange	Hexagon	10975	100	350	17.1
2.0 mm Grey	Hexagon	10945	100	350	17.1
2.3 mm White	Hexagon	10985	100	350	17.1



Specifications- Caps and Bases

Dimensions	Cap	Base Winged	Base Hexagon
HEIGHT	9 mm	20 mm	20 mm
WIDTH	8 mm	across wings 12.5 mm	across flats 8 mm
WEIGHT (approx.)	0.2 g	0.5 g	0.5 g
UV STABILISED MATERIALS	acetal	acetal	acetal
BASE/CONNECTION TYPE:	Inlet	'QUICK' THREAD 4 mm	10-32 UNF THREAD 4 mm

Dimensions vary slightly depending on cap selected

Specifications- Micro Spray Jets Winged (refer to Page 16)

Dimensions Assembled		Base Winged
HEIGHT		23 mm
WIDTH		across wings 12.5 mm
WEIGHT (approx.)		0.7 g
UV STABILISED MATERIALS	BASE CAP	acetal
BASE/CONNECTION TYPE:		'QUICK' THREAD 4 mm

Dimensions vary slightly depending on selected base and cap assembly



Micro Spray Jets: Assembled



Two piece jets with precise watering patterns. Winged base for easy hand installation.

Features

- Nine available spray patterns.
- Colour coded bases for flow identification.
- Caps feature a snap ring which firmly engages the base.
- UV stabilised materials for long life.

Applications

Landscape areas, home gardens, nurseries and horticultural applications. Mist Jet ideal for greenhouse misting and hanging baskets. Strip Spray ideal for narrow garden beds. Use stakes and risers to elevate spray jets.

Accessories

Asta® Stake, Rigid Riser and Micro Stake.

Performance Chart - All Micro Spray Jets

Pattern			360° x 18	360° x 15	360° x 12	300° x 10	270° (3 x 90°)	Strip (2 x 20°)	90°	180°	Mist
Minimum opening size			0.5 mm	0.6 mm	0.7 mm	0.7 mm	1.3 mm	1.4 mm	1.5 mm	1.5 mm	1.2 mm
Size and colour	Pressure (kPa)	Flow (lph)	Diameter (m)						Radius (m)		Diameter (m)
0.8 mm Black	50	15	2.6	2.2	2.6	1.2	2.4	2.4	1.1	1.2	
	100	22	4.1	3.2	3.2	3.2	3.6	4.2	1.7	1.5	
	150	27	4.6	3.6	4.0	4.8	2.8	5.4	2.1	1.7	
	200	32	5.0	4.2	4.6	6.0	2.7	6.0	2.3	1.7	
0.9 mm Brown	50	20	2.9	2.8	2.8	2.2	2.6	2.6	1.2	1.3	
	100	28	4.0	3.8	3.4	4.0	3.4	4.6	1.8	1.6	
	150	34	4.8	4.4	4.2	5.4	2.9	6.0	2.4	1.8	
	200	39	5.6	5.0	5.2	6.6	2.8	6.8	2.6	1.9	
1.0 mm Blue	50	22	3.6	2.6	2.8	2.4	3.2	2.6	1.2	1.5	
	100	33	4.9	3.8	4.4	4.8	4.2	4.8	2.0	1.8	
	150	42	5.8	4.8	5.2	7.0	3.2	5.6	2.4	2.0	
	200	49	6.2	6.2	6.8	8.6	3.2	5.8	2.8	2.1	
1.3 mm Green	50	36	4.7	4.2	3.2	3.0	3.5	3.8	1.4	1.5	
	100	54	6.4	5.8	5.0	5.6	3.5	5.8	2.2	2.0	
	150	68	7.0	6.2	6.0	7.2	3.7	7.2	2.6	2.3	
	200	80	7.2	7.8	7.0	8.0	3.7	8.4	2.0	2.5	
1.5 mm Red	50	52	4.9	4.4	4.0	4.4	3.0	4.9	1.5	1.9	
	100	75	6.8	6.0	6.2	5.4	3.8	6.5	2.4	2.4	
	150	92	8.2	7.4	8.4	8.8	4.4	8.9	2.9	3.0	
	200	107	8.2	8.8	10.0	10.4	4.8	10.8	3.1	3.2	
1.8 mm Orange	50	64	5.0	4.6	4.6	4.2	3.6	5.0	1.7	1.7	
	100	93	6.8	6.8	7.6	7.4	4.2	8.1	2.4	2.4	
	150	115	8.2	8.8	9.4	8.8	4.6	9.4	2.8	2.7	
	200	135	8.0	10.0	10.8	10.0	4.9	10.8	3.1	3.1	
2.0 mm Grey	50	80	5.3	4.8	5.0	4.6	3.4	5.4	1.7	1.7	
	100	115	7.5	7.6	8.2	7.4	4.6	9.4	2.6	2.5	
	150	140	8.1	9.6	10.2	9.2	5.1	12.0	3.1	3.1	
	200	165	7.8	11.0	12.0	10.6	5.6	13.2	3.3	3.3	
2.3 mm White	50	113	5.2	4.4	6.0	4.0	3.6	5.4	1.9	2.0	
	100	163	7.1	8.0	9.2	6.8	5.4	9.0	3.0	2.8	
	150	200	7.3	10.4	11.6	9.6	6.6	11.0	3.6	3.4	
	200	235	7.0	11.4	13.0	10.6	7.8	12.0	3.8	4.0	
0.36 mm Yellow	50	13									1.0
	100	18									0.8
	150	22									0.9
	200	25									0.8
250	28										0.8

* Ghosted figures indicate a change of performance from spray to mist.

Ordering Information - Micro Spray Jets: Winged Assembled

Spray Pattern	Base Colour	Cap Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
360° x 18 hole	Blue	Red	14945	100	220	17.8
180° fan	Blue	Blue	14925	100	220	17.8
90° fan	Blue	Black	14115	100	220	17.8
Strip Spray (2 x 20°)	Blue	Black	14815	100	220	17.8
Mist	Yellow	Black	14995	100	220	18.6
360° x 18 hole	Green	Black	14435	100	220	17.8
180° fan	Green	Black	14235	100	220	17.8
90° fan	Green	Black	14135	100	220	17.8

The above Spray Jet Assemblies are standard stock items. For non-standard spray jet assemblies select BASE Colour and CAP Colour with spray pattern. Allow two weeks for assembly and despatch. Urgent orders by arrangement. Minimum order - 1000 Assemblies.



Micro Spray Stake Assemblies



Pre-assembled to save on installation time. Vari-Jet™ models have flow control to adjust radius of throw and reduce flow.

Features

- Choice of four spray patterns.
- Built-in hole punch.
- Vari-Jet™ Spike assembled with 300 mm offtake tube and 150 mm Rigid Riser.
- Vari-Jet™ Stake assemblies with 300 mm offtake tube on 300 mm stake.
- UV stabilised materials for long life.

Applications

Home and landscaped gardens.

SPRAYS

Performance Chart - Vari-Jet™ Spike

Pattern			360° x 18°	180°	90°
Nozzle Size & Colour	Pressure (kPa)	Flow (lph)	Diameter (m)	Radius (m)	
Vari-Jet™ Spike Red max. 1.5 mm	50	0 - 52	0 - 4.9	0 - 1.9	0 - 1.5
	100	0 - 75	0 - 6.8	0 - 2.4	0 - 2.4
	150	0 - 92	0 - 8.2	0 - 3.0	0 - 2.9
	200	0 - 107	0 - 8.2	0 - 3.2	0 - 3.1
	250	0 - 120	0 - 7.2	0 - 3.4	0 - 3.3

* Ghosted figures indicate a change of performance from spray to mist.

Ordering Information - Vari-Jet™ Spike

Spray Pattern	Base Colour	Cap Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
360° x 18 hole	Red	Red	13345	10	14	4.8
180° fan	Red	Blue	13325	10	14	4.8
90° fan	Red	Black	13315	10	14	4.8

Ordering Information - Winged Micro Spray Stake Assembly (refer page 16 for performance)

Spray Pattern	Base Colour	Cap Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
360° x 18 hole	Blue	Red	17425	25	19	12.4
180° fan	Blue	Blue	17435	25	19	12.4
90° fan	Blue	Black	17445	25	19	12.4
Strip Spray (2 x 20°)	Blue	Black	17455	25	19	12.4

Ordering Information - Vari-Jet™ Stake Assembly (refer page 14 for performance data)

Spray Pattern	Base Colour	Cap Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
360° x 18 hole	Black	Black	17185	25	16	12.0
180° fan	Black	Black	17195	25	16	12.3
90° fan	Black	Black	17205	25	16	11.2

Specifications

Dimensions Assembled		Vari-Jet™ Spike	Winged Micro Spray Stake Assembly	Vari-Jet™ Stake Assembly
HEIGHT		355 mm	345 mm	360 mm
WIDTH		55 mm	24 mm	24 mm
WEIGHT (approx.)		32 g	26 g	28 g
UV STABILISED MATERIALS	SPIKE/STAKE	polypropylene	polypropylene	polypropylene
	ADAPTOR	polypropylene	acetal	acetal
	RISER	HDPE	-	-
	KNOB	polypropylene	-	HDPE
	OFF-TAKE TUBE	PVC	PVC	PVC
BASE/CAP		acetal	acetal	acetal
BASE/CONNECTION TYPE:		Inlet	BARB 4 mm	BARB 4 mm



Vari-Jet™ Spike
180° fan

Winged Micro Spray
Stake Assembly

Vari-Jet™
Stake Assembly



A range of spray jets that incorporate a valve to adjust watering coverage and application.

Features

- Choice of spray patterns - 360°, 180° and 90° and mist.
- Threaded for installation on Rigid Risers and Micro Stakes.
- UV stabilised materials for long life.





Applications

Home and landscaped gardens. Vari-Mist™ is ideal for adjustable overhead watering of plants in hanging baskets.

Accessories

Asta® Stake, Rigid Riser and Micro Stake.

Performance Chart

Cap Colour Options			Black	Black	Black	Black
			Red		Blue	
Pattern			360° x 18	Mist	180°	90°
						
Minimum opening size			0.5 mm	1.2 mm	1.5 mm	1.5 mm
Nozzle Size & Base Colour	Pressure (kPa)	Flow (lph)	Diameter (m)		Radius (m)	
Yellow or Black max 1.5 mm	50	0 - 53	0 - 4.9		0 - 1.9	0 - 1.5
	100	0 - 78	0 - 6.8		0 - 2.4	0 - 2.4
	150	0 - 98	0 - 8.2		0 - 3.0	0 - 2.9
	200	0 - 115	0 - 8.2		0 - 3.2	0 - 3.1
	250	0 - 130	0 - 7.2		0 - 3.4	0 - 3.3
Yellow or Black max 0.36 mm	50	0 - 12		0 - 1.0		
	100	0 - 18		0 - 0.8		
	150	0 - 23		0 - 0.9		
	200	0 - 27		0 - 0.8		
	250	0 - 31		0 - 0.8		

* Ghosted figures indicate a change of performance from spray to mist.



Vari-Jet™
180° fan
10-32 UNF Thread 4 mm



Vari-Jet™
180° fan
10-32 UNF Thread 4 mm

Ordering Information - Vari-Jets™

Spray Pattern	Base Colour Type	Cap Colour	Order Code	Pack Quantity	Packs Per Carton	Carton (kg)
360° x 18 hole	Yellow 10-32 UNF	Red	13245	50	80	11.3
180° fan	Yellow 10-32 UNF	Blue	13225	50	80	11.3
90° fan	Yellow 10-32 UNF	Black	13215	50	80	11.3
Mist	Yellow 10-32 UNF	Black	13295	50	80	11.7
360° x 18 hole	Black 10-32 UNF	Black	13145	50	80	11.3
180° fan	Black 10-32 UNF	Black	13125	50	80	11.3
90° fan	Black 10-32 UNF	Black	13115	50	80	11.3
Mist	Black 10-32 UNF	Black	13195	50	80	11.7

Specifications

Dimensions Assembled		UV Stabilised Material		Base/Connection Type	
HEIGHT	32 mm	CAP	acetal	Inlet	10-32 UNF THREAD 4 mm
WIDTH	22 mm	BASE	acetal		
WEIGHT (approx.)	2.3 g	KNOB	HDPE		
<i>Dimensions vary slightly depending on selected base and cap assembly</i>					



Single piece 360° stream open spray jet engineered for high performance at an affordable price.

Features

- Colour coded for flow rate identification.
- 12 Stream Hi-Lo watering pattern (a).
- Robust proven C-Frame design.
- No moving parts.
- "Quick" thread inlet with sealing barb.


Applications

Specifically designed for orchards and horticultural crops.

Accessories

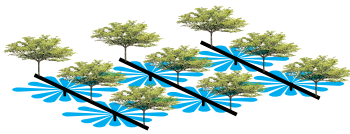
Asta® Stake, Rigid Riser and Micro Stake.

Performance Chart

Pattern/ Trajectory	360° x 12 Streams - Hi Lo (a) 					
	26° High x 12.5° Low Trajectory					
Tested at 0.2 m above ground						
Nozzle Size & Colour	Pressure (kPa)	Flow (lph)	Diameter - (m)		Hydraulic Flow Data	
			High	Low	Constant (k)	Exponent (x)
0.8 mm Black	50	16	2.6	2.0	2.464	0.48
	100	22	3.5	2.8		
	150	27	4.2	3.4		
	200	31	4.8	3.9		
	250	35	5.3	4.4		
0.9 mm Orange	50	20	3.1	2.3	2.589	0.52
	100	28	4.1	3.1		
	150	35	4.8	3.8		
	200	41	5.3	4.4		
	250	46	5.8	4.9		
1.0 mm Blue	50	24	3.4	2.4	3.479	0.49
	100	33	4.2	3.4		
	150	41	4.8	4.1		
	200	47	5.3	4.7		
	250	52	5.6	5.2		
1.1 mm Purple	50	31	4.1	3.2	4.196	0.51
	100	44	5.3	4.2		
	150	54	6.0	4.9		
	200	63	6.6	5.5		
	250	70	7.2	6.0		
1.5 mm Red	50	51	5.5	4.3	6.634	0.52
	100	73	6.9	5.6		
	150	90	7.9	6.5		
	200	104	8.8	7.3		
	250	117	9.4	8.0		



CFa AgSpray™ Range



Typical System



CFa AgSpray™ on Micro Stake with 600 mm Tube and Adaptor

Ordering Information - CFa AgSpray™

Nozzle Size & Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
0.8 mm Black	13005	100	90	15.0
0.9 mm Orange	13075	100	90	15.0
1.0 mm Blue	13015	100	90	15.0
1.1 mm Purple	13065	100	90	15.0
1.5 mm Red	13055	100	90	15.0

Ordering Information - CFa AgSpray™ on Micro Stake w/ 600mm Tube & Adaptor

Nozzle Size & Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
0.8 mm	41605	25	5	6.9
0.9 mm	41675	25	5	6.9
1.0 mm	41615	25	5	6.9
1.1 mm	41665	25	5	6.9
1.5 mm	41655	25	5	6.9

Specifications

Dimensions		UV Stabilised Material	Base/Connection Type	
HEIGHT	34 mm	acetal	Inlet	'QUICK' THREAD with sealing barb 4 mm
WIDTH	25 mm			
DEPTH	8 mm			
WEIGHT (approx.)	1.4 g			



The patented C-Frame Downspray is a 360° spray jet that distributes water evenly across the wetted surface area. Stake assembly options provide savings in labour and installation time.

Features

- 45° downspray reduces the effect of wind.
- Gentle spray minimises damage to delicate plant foliage.
- Galvanised wire stake assembly incorporates shut-off clip to stop flow.
- Asta[®] Stake assembly incorporates a hole punch for easy installation.
- Three colour coded frames to identify flow rates.
- Quick insertion thread with leak-proof design.
- UV stabilised materials.

Applications

Nurseries, tree lots, pot plants, home and landscaped gardens.



CFd[®] Downspray Range



CFd[®] Downspray Wire Stake Assembly with 914 mm Tube & Adaptor

CFd[®] Downspray Stake Assembly with 300 mm Tube & Adaptor

Performance Chart

Pattern		360°	
Nozzle Size/Colour	Pressure (kPa)	Flow (lph)	Diameter (m)
0.8 mm Black	50	16	0.6
	100	22	0.6
	150	27	0.5
0.9 mm Brown	50	20	0.6
	100	29	0.5
	150	35	0.5
1.0 mm Blue	50	24	0.6
	100	34	0.5
	150	41	0.5

Ordering Information - CFd[®] Downspray

Nozzle Size & Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
0.8 mm Black	19005	100	90	14.4
0.9 mm Brown	19025	100	90	14.4
1.0 mm Blue	19015	100	90	14.4

Ordering Information - CFd[®] Galvanised Wire Stake Assembly w/Shut-Off Clip

Nozzle Size & Colour	Tube Length	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
0.8 mm Black	914 mm	43705	25	12	9.6
0.9 mm Brown	914 mm	43725	25	12	9.6
1.0 mm Blue	914 mm	43715	25	12	9.6

Ordering Information - CFd[®] Downspray Stake Assembly

Nozzle Size & Colour	Tube Length	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
1.0 mm Blue	300 mm	17515	25	16	11.1
1.0 mm Blue	914 mm	17615	25	10	8.5

Specifications

Dimensions Assembled		CFd [®] Downspray	CFd [®] Galvanised Wire Assembly	CFd [®] Stake Assembly
HEIGHT		34 mm	345 mm	360 mm
WIDTH		25 mm	24 mm	24 mm
DEPTH		8 mm		
WEIGHT (approx.)		1.4 g	26 g	28 g
UV STABILISED MATERIALS	FRAME	acetal	acetal	acetal
	STAKE ADAPTOR		polypropylene	acetal
	OFF-TAKE TUBE		PEVA	PVC
	BARB ADAPTOR		acetal	acetal
STAKE			galvanised steel	polypropylene
BASE/CONNECTION TYPE:		Inlet	'Quick' THREAD with Sealing Barb 4 mm	BARB 4 mm
			BARB 4 mm	BARB 4 mm



Rotor Spray™ Mini Sprinklers



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.
- 4 mm thread for installing into Rigid Risers, Asta® Stake Adaptor, Micro Stake 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 overhead greenhouse and nursery watering.

SPRINKLERS



Rotor Spray™
4 mm Thread

Ordering Information - Rotor Spray™

Nozzle Size & Colour	Base Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
0.9 mm Brown	4 mm	20025	50	110	12.5
1.0 mm Blue	4 mm	20015	50	110	12.5
1.3 mm Green	4 mm	20035	50	110	12.5
1.5 mm Red	4 mm	20055	50	110	12.5
1.8 mm Orange	4 mm	20075	50	110	12.5
2.0 mm Grey	4 mm	20045	50	110	12.5

Ordering Information - Inverted Rotor Spray™

Nozzle Size & Colour	Base Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
0.9 mm Brown	4 mm	20125	50	110	12.5
1.0 mm Blue	4 mm	20115	50	110	12.5
1.3 mm Green	4 mm	20135	50	110	12.5
1.5 mm Red	4 mm	20155	50	110	12.5



Inverted Rotor Spray™
4 mm Thread

Ordering Information - Vari-Rotor Spray™

Nozzle Size & Colour	Base Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
1.5 mm Yellow	4 mm	20295	25	88	9.6
1.5 mm Black	4 mm	20205	25	88	9.6

Ordering Information - Rotor Spray™ Stake Assembly w/ 300 mm Tube & Barb Adaptor

Nozzle Size & Colour	Base Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
1.3 mm Green	4 mm	17245	25	13	14.0

Ordering Information - Vari-Rotor Spray™ Stake Assembly w/ 300 mm Tube & Barb Adaptor

Nozzle Size & Colour	Base Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
1.5 mm Black	4 mm	17295	25	13	10.0



Vari-Rotor Spray™
4 mm Thread

Specifications

Dimensions Assembled		Rotor Spray™ and Inverted Rotor Spray™	Vari-Rotor Spray™
HEIGHT		35 mm	45 mm
WIDTH		27 mm	27 mm
WEIGHT (approx.)		2.0 g	3.5 g
UV STABILISED MATERIALS	FRAME	acetal	acetal
	BASE	acetal	acetal
	FLIPPER	nylon	nylon
	KNOB	-	HDPE
BASE/CONNECTION TYPE: Inlet		10-32 UNF THREAD 4 mm	10-32 UNF THREAD 4 mm

Performance Chart - Rotor Spray™ & Inverted Rotor Spray™

Type			Rotor Spray™		Inverted Rotor Spray™	
			Tested 0.2 m above ground		Tested 0.8 m above ground	Tested 2.0 m above ground
Nozzle Size & Colour	Pressure (kPa)	Flow (lph)	Diameter (m)	Stream Height (m)	Diameter (m)	Diameter (m)
0.9 mm Brown	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
1.0 mm Blue	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
1.3 mm Green	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
1.5 mm Red	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
1.8 mm Orange	100	95	6.7	0.3		
	150	117	7.5	0.4		
	200	135	8.4	0.5		
2.0 mm Grey	100	120	6.8	0.4		
	150	150	7.8	0.4		
	200	175	8.0	0.5		



Rotor Spray™ Stake Assembly with 300 mm Tube and Adaptor



Vari-Rotor Spray™ Stake Assembly with 300 mm Tube and Adaptor

Performance Chart - Vari-Rotor Spray™

Type			Vari-Rotor Spray™	
			Tested 0.2 m above ground	
Nozzle Size & Colour	Pressure (kPa)	Flow (lph)	Diameter (m)	Stream Height (m)
1.5 mm Yellow	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
1.5 mm Black	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



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.

Ordering Information - Green Back® Valves



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	9.7
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	10.2
Green Back® Valve 19 mm (Shank OD 19.0 mm)	45525	20	10	10.3
Green Back® Valve 21 mm (Shank OD 20.8 mm)	45535	20	10	10.5
Green Back® Valve 25 mm (Shank OD 25.0 mm)	45545	20	4	7.1

Ordering Information - Purple Back® Valves



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	9.7
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	10.2
Purple Back® Valve 19 mm (Shank OD 19.0 mm)	46525	20	10	10.3
Purple Back® Valve 21 mm (Shank OD 20.8 mm)	46535	20	10	10.5
Purple Back® Valve 25 mm (Shank OD 25.0 mm)	46545	20	4	7.1

Specifications - Green Back® and Purple Back® Valves

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 (18,19 mm) 50 g (21 mm)	81 g
UV STABILISED MATERIALS	BODY STEM COVER SEAL	acetal polypropylene acetal -	acetal polypropylene acetal silicone rubber	acetal polypropylene acetal -
BASE/CONNECTION TYPE		BARB	BARB	BARB

Specifications - Threaded Valves 1/2" & 3/4" (refer page 34)

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 (18,19 mm) 54 g (21 mm)
UV STABILISED MATERIAL	BODY STEM COVER SEAL	acetal polypropylene acetal -	acetal polypropylene acetal -	acetal polypropylene acetal silicone rubber
BASE/CONNECTION TYPE		1/2" MNPT x Barb	3/4" BSPM x Barb	



Threaded flow control valves for low pressure irrigation.

Features

- 3/4" threaded inlet or 1/2" 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" or 3/4" threaded connection is required.



Threaded Green Back® Valve
1/2" Male Thread

Ordering Information - Threaded Green Back® Valve 1/2" Male Thread

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Green Back® Valve 13mm Barb x 1/2"	49005	20	22	9.8
Green Back® Valve 14mm Barb x 1/2"	49015	20	22	9.9
Green Back® Valve 15mm Barb x 1/2"	49025	20	22	9.8
Green Back® Valve 16mm Barb x 1/2"	49035	20	22	10.3



Threaded Purple Back® Valve
1/2" Male Thread

Ordering Information - Threaded Purple Back® Valve 1/2" Male Thread

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Purple Back® Valve 13 mm Barb x 1/2"	49105	20	22	9.8
Purple Back® Valve 14 mm Barb x 1/2"	49115	20	22	9.9
Purple Back® Valve 15 mm Barb x 1/2"	49125	20	22	9.8
Purple Back® Valve 16 mm Barb x 1/2"	49135	20	22	10.3



Threaded Green Back® Valve
3/4" Male Thread

Ordering Information - Threaded Green Back® Valve 3/4" Male Thread

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Green Back® Valve 13 mm Barb x 3/4"	46605	20	22	10.4
Green Back® Valve 14 mm Barb x 3/4"	46675	20	22	10.6
Green Back® Valve 16 mm Barb x 3/4"	46615	20	21	10.9
Green Back® Valve 18 mm Barb x 3/4"	46685	20	9	10.2
Green Back® Valve 19 mm Barb x 3/4"	46695	20	9	10.2
Green Back® Valve 21 mm Barb x 3/4"	46595	20	9	10.3



Threaded Purple Back® Valve
3/4" Male Thread

Ordering Information - Threaded Purple Back® Valve 3/4" Male Thread

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Purple Back® Valve 13 mm Barb x 3/4"	46705	20	22	10.4
Purple Back® Valve 14 mm Barb x 3/4"	46775	20	22	10.6
Purple Back® Valve 16 mm Barb x 3/4"	46715	20	21	10.9
Purple Back® Valve 18 mm Barb x 3/4"	46785	20	9	10.2
Purple Back® Valve 19 mm Barb x 3/4"	46795	20	9	10.2
Purple Back® Valve 21 mm Barb x 3/4"	46805	20	9	10.3



Micro Fittings



A range of fittings and adaptors to use with quality micro tubing in low pressure irrigation systems. A range of sizes suit various tube configurations.

Features

- Single barb configurations for connecting to micro or supply tube.
- "Quick" thread or 4 mm thread for connecting to Rigid Risers or Micro Stakes.
- A range of adaptors to suit various configurations.

Applications

Home gardens, landscaping and glasshouses.

FITTINGS



Adaptor 4 mm (F) x 1/2" Female Thread



Adaptor 4 mm (F) x 1/2" Male Thread



Adaptor 4 mm (F) x 3/8" BSWM Thread



Adaptor 'Quick' Thread x Thread



Adaptor Barb x Thread



Joiner Barb x Barb



Joiner Barb x Barb Hypodermic



Elbow



Tidy-Bow™ Clip On Elbow



Tee



Cross

Ordering Information - Adaptors

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Adaptor 4 mm (F) x 1/2" Female Thread	41015	25	80	7.6
Adaptor 4 mm (F) x 1/2" Male Thread	41075	25	90	7.3
Adaptor 4 mm (F) x 3/8" BSWM Thread	41025	100	130	10.6
Adaptor 4 mm 'Quick' Thread x Thread	40925	100	260	14.4
Adaptor 4 mm Barb x Thread	40945	100	280	15.6
Adaptor 4.5 mm Barb x Thread	40995	100	250	15.3

Ordering Information - Joiners

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Joiner 4 mm Barb	40145	100	245	14.0
Joiner 4.5 mm Barb	40195	100	240	17.0
Joiner 4 mm Barb x Barb Hypodermic	40935	100	245	14.0

Ordering Information - Elbows

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Elbow 4 mm Barb	40245	50	490	14.0
Elbow 4.5 mm Barb	40295	50	490	13.5

Ordering Information - Elbow Clip On Accessories

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Tidy-Bow™ Clip On Elbow	45345	50	120	10.2

Ordering Information - Tees

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Tee 4 mm Barb	40345	50	315	11.8
Tee 4.5 mm Barb	40395	50	300	13.0

Ordering Information - Crosses

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Cross 4 mm Barb	40445	50	240	11.1
Cross 4.5 mm Barb	40495	50	220	12.1



A range of repair plugs, valves and micro tube tee to use with quality micro tubing in low pressure irrigation systems. A range of sizes suit various tube configurations.

Features

- Goof Plugs to repair wrongly punched holes.
- Vari-Flow™ valves simple on/off operation controls water flow in micro irrigation systems.
- Micro tee connects micro tube to lateral line.

Applications

Home gardens, landscaping and glasshouses.

Ordering Information - Goof (Repair) Plugs



Goof (Repair) Plugs

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Goof (Repair) Plugs - Rack of 10	42325	10	250	7.2



Vari-Flow™ Barb x Barb

Ordering Information - Vari-Flow™ Valve

Type	Colour	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
Vari-Flow™ Valve barb 4.5 mm	Black	42155	50	90	11.5
Vari-Flow™ Valve thread 4.0 mm	Black	42115	50	90	11.5
Vari-Flow™ Valve thread 4.0 mm	Green/Yellow	42125	50	90	11.5



Vari-Flow™ Thread x Thread

Ordering Information - Reducing Tee



Micro Tee

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
13 mm line x 4 mm branch	47765	25	56	10.1
14 mm (16 O.D. Dripline) x 4 mm branch	47465	25	48	9.4

Specifications - Vari-Flow™ Valve

Dimensions Assembled		4.5 mm Barb	4.0 mm Thread
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	acetal
	KNOB	HDPE	HDPE
BASE/CONNECTION TYPE		Barb 4.5 mm	10-32 UNF Thread 4 mm

Ratchet Clamps



Ratchet Clamps secure low density polyethylene (LDPE) tube to a wide range of fittings.

Features

- Smooth edges allow assembly by hand.
- Range of sizes to suit most low density poly (LDPE) tube connections.
- Sharp serrated teeth provide secure lock and firmly hold tube to fitting.
- Can be twisted and unclamped if required.
- Also suitable for dripline tubing.
- Improved ratcheting action and ability to fit to a trellis wire.

Applications

Home gardens and landscaping applications.

Ordering Information - Ratchet Clamps



Ratchet Clamp

Type	Order Code	Pack Quantity	Packs per Carton	Carton (kg)
13 mm Ratchet Clamp #15	44305	100	50	12.4
Ratchet Clamp #17	44345	100	45	11.8
16 mm Ratchet Clamp #18	44335	100	45	11.2
Ratchet Clamp #20	44295	100	40	11.1
19 mm Ratchet Clamp #22	44315	100	35	10.6
Ratchet Clamp #23	44285	100	32	10.6
25 mm Ratchet Clamp #28	44325	100	16	10.1

	Suits ID Poly Tube	Tube OD Range	Suits OD Dripline
 #15	13 mm	15 - 16 mm	15 mm
 #17	14 mm	16 - 18 mm	16 - 17 mm
 #18	16 mm	17 - 19 mm	18 mm
 #20	18 mm	19 - 21 mm	20 mm
 #22	19 mm	21 - 23 mm	22 mm
 #23	21 mm	22 - 24 mm	23 mm
 #28	25 mm	27 - 30 mm	27 mm