



Micro Irrigation Products
Metric Catalogue
2009



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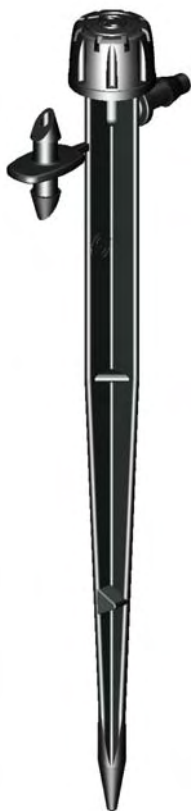
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DRIPPERS

Ottima 360°

Adjustable 8 Stream Dripper



Ottima 360° Spike




Ottima 360°
1/2" NPT Female Thread



Ottima 360°
4.5 mm Barb



Ottima 360°
10-32 UNF Thread

METRIC PERFORMANCE DATA				
DRIPPERS		PRESSURE (kPa)	FLOW (lph)	DIAMETER OF THROW (m)
	Adjustable to Maximum (approx) 20 Clicks	100	0 - 40	0 - 0.5
		150	0 - 50	0 - 0.6
		200	0 - 60	0 - 0.8
Tested 200 mm above Ground Level				
Recommended operating pressure 100 kPa				

OPERATION

Rotation of the Ottima cap allows simultaneous adjustment of flow rate and diameter of throw. This is made possible by the positive ratchet click action between the cap and base. Easy to regulate. Increase or decrease the stream pattern or simply close off.





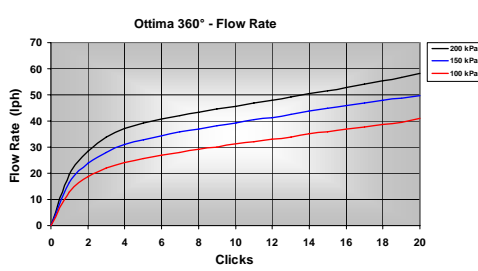

PRODUCT FEATURES

- Four base options available, 4.5 mm barb, 10-32 UNF Male Thread, 1/2" NPT Female Thread and 150 mm Spike.
- Cap rotation adjusts flow and radius.
- Large adjustment range gives a greater control of flow rate and diameter of throw than fixed flow emitters.
- Quick ON-OFF action.

GENERAL APPLICATIONS

- Use for watering plants in small or large pots, planter boxes and also shrubs and trees in garden beds and landscaped areas.

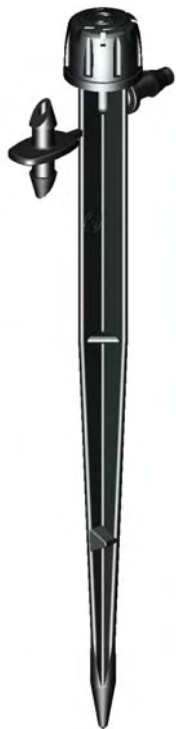


OTTIMA 360°						PERFORMANCE GRAPHS
PACKAGING						
		BARB	THREAD	SPIKE	1/2" THREAD	
ORDER CODES	PACKS	200016	200026	200034	202054	
	BULK	020001	020002	020003	020205	
QUANTITY PER BAG	PACKS	100	100	25	25	
	BULK	1000	1000	1000	250	
BAGS PER CARTON	PACKS	65	65	40	70	
	BULK	7	7	1	7	
WEIGHT PER CARTON (kg)	PACKS	12.3	14.2	6.9	8.0	
	BULK	12.9	14.9	6.7	7.7	
BASE INLET CONNECTION		4.5 mm Barb	10-32 UNF Thread	4.5 mm Barb	1/2" NPT/F Thread	
DIMENSIONS OF OTTIMA 360° ASSEMBLED	HEIGHT	24 mm	24 mm	152 mm	30 mm	
	WIDTH	20 mm	20 mm	42 mm	27 mm	
	DEPTH	16 mm	16 mm	16 mm	27 mm	
	WEIGHT	1.7 g	2.0 g	5.7 g	3.8 g	
MATERIAL UV STABILISED	CAP	Polypropylene	Polypropylene	Polypropylene	Polypropylene	
	BASE	Polypropylene	Acetal	Polypropylene	Polypropylene	

DRIPPERS



Ottima 180°
½" NPT Female Thread



Ottima 180° Spike

Ottima 180°


Adjustable 5 Stream Dripper



Ottima 180°
4.5 mm Barb



Ottima 180°
10-32 UNF Thread

METRIC PERFORMANCE DATA				
DRIPPERS		PRESSURE (kPa)	FLOW (lph)	RADIUS OF THROW (m)
	Adjustable to Maximum (approx) 20 Clicks	100	0 - 40	0 - 0.38
		150	0 - 50	0 - 0.52
		200	0 - 60	0 - 0.65
Tested 200 mm above Ground Level				
Recommended operating pressure 100 kPa				

OPERATION

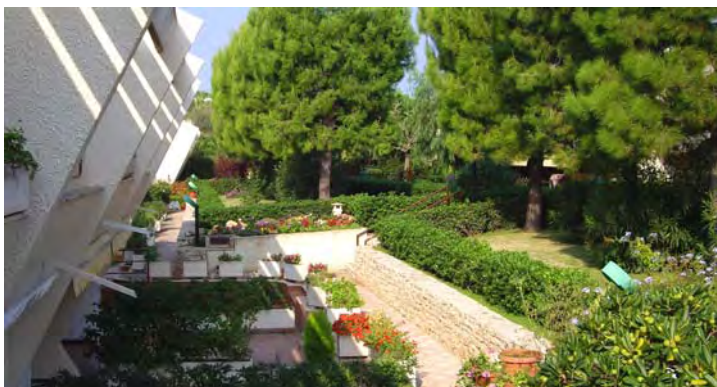
Rotation of the Ottima cap allows simultaneous adjustment of flow rate and radius of throw. Easy to regulate the 180° pattern to suit the area of application. Increase or decrease the stream pattern or simply close off.





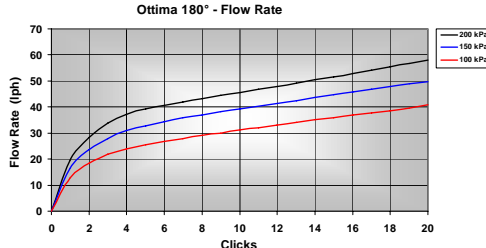
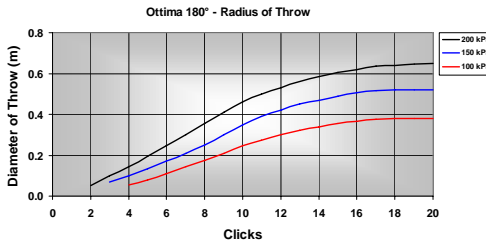
PRODUCT FEATURES

- Four base options available, 4.5 mm Barb, 10-32 UNF Male Thread and 150 mm Spike.
- Cap rotation adjusts flow and radius.
- Large adjustment range gives a greater control of flow rate and diameter of throw than fixed flow emitters.
- Quick ON-OFF action.

GENERAL APPLICATIONS

- Use for watering plants in small or large pots, planter boxes. Ideal for border watering in garden beds and landscaped areas.

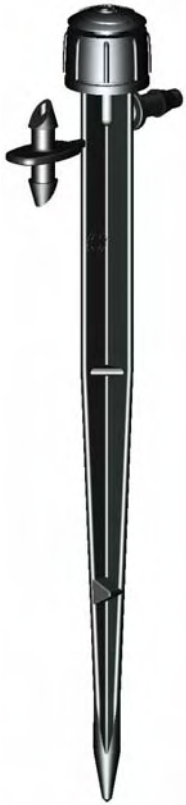


OTTIMA 180°						PERFORMANCE GRAPHS
PACKAGING						
		BARB	THREAD	SPIKE	½" THREAD	
ORDER CODES	PACKS	201146	201156	201164	202064	
	BULK	020114	020115	020116	020206	
QUANTITY PER BAG	PACKS	100	100	25	25	
	BULK	1000	1000	1000	250	
BAGS PER CARTON	PACKS	65	65	40	70	
	BULK	7	7	1	7	
WEIGHT PER CARTON (kg)	PACKS	12.3	14.2	6.9	8.0	
	BULK	12.9	14.9	6.7	7.7	
BASE INLET CONNECTION		4.5 mm Barb	10-32 UNF Thread	4.5 mm Barb	½" NPT/F Thread	
DIMENSIONS OF OTTIMA 180° ASSEMBLED	HEIGHT	24 mm	24 mm	152 mm	30 mm	
	WIDTH	20 mm	20 mm	42 mm	27 mm	
	DEPTH	16 mm	16 mm	16 mm	27 mm	
	WEIGHT	1.7 g	2.0 g	5.7 g	3.8 g	
MATERIAL UV STABILISED	CAP	Polypropylene	Polypropylene	Polypropylene	Polypropylene	
	BASE	Polypropylene	Acetal	Polypropylene	Polypropylene	

DRIPPERS

Mini Bubbla 360°

Adjustable Mini Bubbla



Mini Bubbla 360° Spike



Mini Bubbla 360°
1/2" NPT Female Thread



Mini Bubbla 360°
4.5 mm Barb



Mini Bubbla 360°
10-32 UNF Thread

METRIC PERFORMANCE DATA				
DRIPPERS		PRESSURE (kPa)	FLOW (lph)	DIAMETER OF THROW (m)
	Adjustable to Maximum (approx) 20 Clicks	100	0 - 85	0 - 0.28
		150	0 - 103	0 - 0.38
		200	0 - 119	0 - 0.48
Tested 200 mm above Ground Level				
Recommended operating pressure 100 kPa				

OPERATION

Rotation of the Mini Bubbla cap allows simultaneous adjustment of flow rate and diameter of throw. This action produces an umbrella pattern that gently applies water to the root zone of the plant.

PRODUCT FEATURES

- Four base options available, 4.5 mm Barb, 10-32 UNF Male Thread, 1/2" NPT Female Thread and Spike.
- Cap rotation adjusts flow and radius.
- Effective watering near the root zone.
- Easy to regulate the water flow.

GENERAL APPLICATIONS

- Use for watering plants in small or large pots, garden beds, street trees and palms.



MINI BUBBLA 360°						PERFORMANCE GRAPHS
PACKAGING						
		BARB	THREAD	SPIKE	1/2" THREAD	
ORDER CODES	PACKS	201176	201186	201194	202084	
	BULK	020117	020118	020119	020208	
QUANTITY PER BAG	PACKS	100	100	25	25	
	BULK	1000	1000	1000	250	
BAGS PER CARTON	PACKS	65	65	40	70	
	BULK	7	7	1	7	
WEIGHT PER CARTON (kg)	PACKS	11.7	14.2	7.4	8.0	
	BULK	12.2	14.9	7.2	7.7	
BASE INLET CONNECTION		4.5 mm Barb	10-32 UNF Thread	4.5 mm Barb	1/2" NPT/F Thread	
DIMENSIONS OF MINI BUBBLA 360° ASSEMBLED	HEIGHT	25 mm	25 mm	153mm	31 mm	
	WIDTH	20 mm	20 mm	42 mm	27 mm	
	DEPTH	16 mm	16 mm	16 mm	27 mm	
	WEIGHT	1.6 g	2.0 g	6.2 g	3.8 g	
MATERIAL UV STABILISED	CAP	Polypropylene	Polypropylene	Polypropylene	Polypropylene	
	BASE	Polypropylene	Acetal	Polypropylene	Polypropylene	

DRIPPERS

Delta Drip (Registered Design)

Adjustable Drip Emitters



Delta Drip Spike



Delta Drip 4.5 mm Barb

METRIC PERFORMANCE DATA			
DRIPPERS	 Adjustable to 6 lph at 100 kPa	PRESSURE	FLOW
		(kPa)	(lph)
		50	0 - 4.1
		75	0 - 5.1
		100	0 - 6.0
		125	0 - 6.8
150	0 - 7.5		

Recommended operating pressure 100 kPa

OPERATION

Rotation of the key in the body adjusts the flow rate from 0 to 6 lph at 100 kPa. Flow rate may be increased or decreased until final shut off.

PRODUCT FEATURES

- Turbulent flow path.
- Two body types to choose from. End Line body with 4.5 mm inlet barb. Spike with 4.5 mm inlet barb.
- Finger tip key control for flow adjustment.
- May be turned "OFF" when not in use.

APPLICATIONS

May be used for vegetable patches, home gardens, nurseries, pots and shrubs.



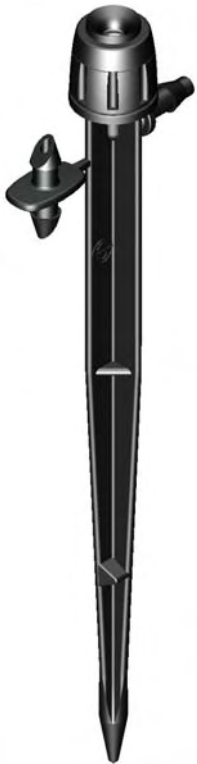
DELTA DRIP EMITTERS

PACKAGING				PERFORMANCE GRAPHS
		BARB	SPIKE	
ORDER CODES	PACK	200916	200904	<p>Delta Drip</p> <p>The graph shows a non-linear relationship between pressure and flow rate. The y-axis represents Pressure in kPa (0 to 150), and the x-axis represents Flow Rate in lph (0 to 8). A red line labeled 'Delta Drip' starts at (0,0) and rises to approximately (7.5, 150).</p>
	BULK	020091	020090	
QUANTITY PER BAG	PACK	100	25	
	BULK	1000	1250	
BAGS PER CARTON	PACK	70	50	
	BULK	7	1	
WEIGHT PER CARTON (kg)	PACK	13.4	7.0	
	BULK	13.1	6.8	
BASE INLET CONNECTION		4.5 mm Barb	4.5 mm Barb	
DIMENSIONS OF DELTA DRIP EMITTERS ASSEMBLED	HEIGHT	51 mm	127 mm	
	WIDTH	13 mm	51 mm	
	DEPTH	9 mm	10 mm	
	WEIGHT	1.72 g	4.63 g	
MATERIAL UV STABILISED	BODY	Polypropylene		
	SPIKE		Polypropylene	

SPRAYS

Maxima 360°

Adjustable Vortex Spray



Maxima 360° Spike




Maxima 360°
1/2" NPT Female Thread



Maxima 360°
4.5 mm Barb



Maxima 360°
10-32 UNF Thread

METRIC PERFORMANCE DATA				
SPRAYS		PRESSURE (kPa)	FLOW (lph)	DIAMETER OF THROW (m)
	Adjustable to Maximum (approx) 14 Clicks	100	0 - 52	0 - 1.7
		150	0 - 65	0 - 2.8
		200	0 - 74	0 - 3.4
Tested 200 mm above Ground Level				
Recommended operating pressure 100 kPa				

OPERATION

Rotation of the Maxima cap allows simultaneous adjustment of flow rate and diameter of throw.

The ratchet click action between the cap and base allows the vortex pattern to be increased or decreased until final shut-off





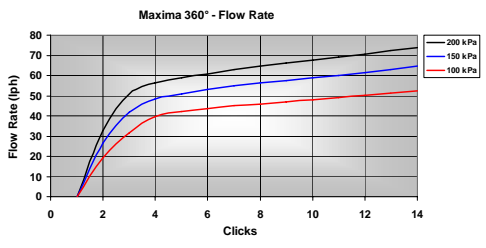
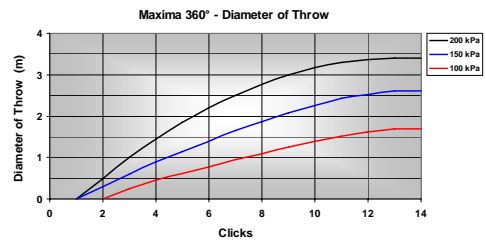
PRODUCT FEATURES

- Four base options available, 4.5 mm Barb, 10-32 UNF Male Thread, 1/2" NPT Female Thread and Spike.
- Finger tip cap control for flow and throw adjustment.
- Vortex action distributes water evenly over the irrigated surface.

GENERAL APPLICATIONS

- Ideal for spot watering plants in small and large pots or larger areas including garden beds and landscapes.



Maxima 360°						PERFORMANCE GRAPHS
PACKAGING						
		BARB	THREAD	SPIKE	1/2" THREAD	
ORDER CODES	PACKS	200045	200055	200064	202074	
	BULK	020004	020005	020006	020207	
QUANTITY PER BAG	PACKS	50	50	25	25	
	BULK	1000	1000	1000	250	
BAGS PER CARTON	PACKS	100	100	40	70	
	BULK	7	7	1	7	
WEIGHT PER CARTON (kg)	PACKS	12.3	13.9	7.6	8.2	
	BULK	16.1	18.4	7.4	7.9	
BASE INLET CONNECTION		4.5 mm Barb	10-32 UNF Thread	4.5 mm Barb	1/2" NPT/F Thread	
DIMENSIONS OF MAXIMA 360° ASSEMBLED	HEIGHT	26 mm	26 mm	158 mm	30 mm	
	WIDTH	20 mm	20 mm	42 mm	27 mm	
	DEPTH	16 mm	16 mm	16 mm	27 mm	
	WEIGHT	2.2 g	2.5 g	6.4 g	3.9 g	
MATERIAL UV STABILISED	CAP	Polypropylene	Polypropylene	Polypropylene	Polypropylene	
	BASE	Polypropylene	Acetal	Polypropylene	Polypropylene	
	DEFL'CTR	Acetal	Acetal	Acetal	Acetal	

SPRAYS

Idra Sprays

Adjustable Spray Jets



Idra 90°



Idra 180°



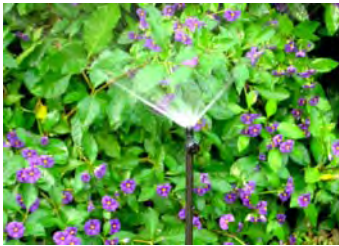
Idra 360°

OPERATION

- Rotation of the valve rotor allows simultaneous adjustment of flow rate and radius of throw.

PRODUCT FEATURES

- Available in three spray patterns 90° Fan Spray, 180° Fan Spray and 360° x 18 Hole Stream Spray.
- Two Ranges available. Coloured residential range for easy spray pattern identification and black professional range.















METRIC PERFORMANCE DATA						
SPRAYS	BASE OUTLET SIZE	PRESSURE (kPa)	FLOW (lph)	SPRAY PATTERN		
				Diameter of Throw (m)		Radius of Throw (m)
				360° x 18 Hole	180°	90°
Adjustable to Maximum 1.5 mm	50	0 - 54	0 - 5.0	0 - 2.0	0 - 1.5	
	100	0 - 77	0 - 5.8	0 - 2.5	0 - 2.1	
	150	0 - 94	0 - 6.4	0 - 2.9	0 - 2.6	
	200	0 - 105	0 - 7.0	0 - 3.2	0 - 3.0	
	250	0 - 119	0 - 7.5	0 - 3.5	0 - 3.3	

Tested 500 mm above Ground Level
Recommended operating pressure 100 kPa

GENERAL APPLICATIONS

- General watering of landscaped areas.
- Easily adjusted to suit irregular shaped garden beds.

IDRA SPRAYS							
RANGE		RESIDENTIAL RANGE			BLACK RANGE		
							
SPRAY PATTERN							
CAP COLOUR		Black	Blue	Red	Black	Black	Black
ROTOR COLOUR		Blue	Blue	Blue	Black	Black	Black
BASE COLOUR		Yellow	Yellow	Yellow	Black	Black	Black
ORDER CODES	PACKS	200085	200105	200125	200075	200095	200115
	BULK	020008	020010	020012	020007	020009	020011
QUANTITY PER BAG	PACKS	50	50	50	50	50	50
	BULK	1000	1000	1000	1000	1000	1000
BAGS PER CARTON	PACKS	100	100	100	100	100	100
	BULK	5	5	5	5	5	5
WEIGHT PER CARTON (kg)	PACKS	13.9	13.9	13.9	13.9	13.9	13.9
	BULK	13.4	13.4	13.4	13.4	13.4	13.4
BASE INLET CONNECTION		10-32 UNF Thread					
DIMENSIONS OF IDRA SPRAYS ASSEMBLED	HEIGHT	38 mm	38 mm	37 mm	38 mm	38 mm	37 mm
	WIDTH	22 mm	22 mm	22 mm	22 mm	22 mm	22 mm
	DEPTH	15 mm	15 mm	15 mm	15 mm	15 mm	15 mm
	WEIGHT	2.5 g	2.5 g	2.5 g	2.5 g	2.5 g	2.5 g
MATERIAL UV STABILISED	CAP	Acetal					
	BASE	Acetal					

SPRAYS

Aquila Jet Spike (Registered Design) & Idra Spike Adjustable Spray Spike

OPERATION

Rotation of the rotor allows simultaneous adjustment of flow rate and radius of throw. Pre-assembled for quick and easy installation. Spike may be placed as required away from main supply line.

PRODUCT FEATURES

- Available in three spray patterns:
 - 90° Fan Spray
 - 180° Fan Spray
 - 360° x 18 Hole Stream Spray
- Spike lengths available:
 - 200 mm and 310 mm for Aquila Jet Spike
 - 310 mm For Idra Spike
- Rigid riser lengths:
 - 200 mm for Aquila Jet Spike
 - 300 mm for Idra Spike
- The Rigid Riser used with the Idra Spike may be raised or lowered inside the stake to suit the height of the plants being irrigated.
- Flexible PVC tube length 500 mm.

GENERAL APPLICATIONS










- General watering of landscaped areas.

The Rigid Riser height is fixed

SPRAYS	PRESSURE (kPa)	FLOW (lph)	SPRAY PATTERN		
			Diameter of Throw (m)		Radius of Throw (m)
			360° x 18 Hole	180°	90°
BASE Adjustable to Maximum 1.5 mm	50	0 - 58	0 - 5.0	0 - 1.9	0 - 1.7
	100	0 - 82	0 - 6.8	0 - 2.3	0 - 2.5
	150	0 - 101	0 - 7.9	0 - 2.7	0 - 2.9
	200	0 - 117	0 - 8.2	0 - 3.0	0 - 3.2
	250	0 - 130	0 - 8.4	0 - 3.3	0 - 3.5

Recommended operating pressure 100 kPa

The Rigid Riser may be raised or lowered inside the stake to suit the height of the plants

		AQUILA JET SPIKE						IDRA SPIKE		
SPIKE OPTIONS		200 mm SPIKE			310 mm SPIKE			310 mm SPIKE		
SPRAY PATTERN										
CAP COLOUR		Black						Black	Blue	Red
BASE COLOUR		Red						Black		
ORDER CODES	PACKS	200372	200382	200392	200342	200352	200362	201642	201992	202002
	BULK	020037	020038	020039	020034	020035	020036	020164	020199	020200
QUANTITY PER BAG	PACKS	10	10	10	10	10	10	10	10	10
	BULK	200	200	200	150	150	150	150	150	150
BAGS PER CARTON	PACKS	20	20	20	15	15	15	15	15	15
	BULK	1	1	1	1	1	1	1	1	1
WEIGHT PER CARTON (kg)	PACKS	9.5	9.5	9.5	8.2	8.2	8.2	8.3	8.3	8.3
	BULK	9.2	9.2	9.2	8.0	8.0	8.0	8.1	8.1	8.1
INLET CONNECTION		4.5 mm Barb								
DIMENSIONS OF SPIKES ASSEMBLED	HEIGHT	400 mm			510 mm			Max extension - 595 mm		
	WIDTH	25.2 mm			25.2 mm			25.2 mm		
	DEPTH	17 mm			17 mm			17 mm		
	WEIGHT	41.2 g			47.2 g			47.6 g		
MATERIAL UV STABILISED	CAP	Acetal								
	BASE	Acetal								
	VALVE	Acetal								
	SPIKE	Polypropylene								
	RISER	HDPE								
	JOINER	Acetal								

Aquila Jet Spike

Idra Spike

SPRAYS



180°



360° x 18 Hole



Micro Sprays

Caps and Bases



90°



180°



360° x 18 Hole



OPERATION

Three cap options available, 90° Fan Spray, 180° Fan Spray and 360° x 18 Hole Stream Spray.

Eight jet bases available, colour coded to identify flow rate.

A large range of flow rates may be achieved at different operating pressures.

Choose the cap spray pattern and coloured base for the application required.

PRODUCT FEATURES

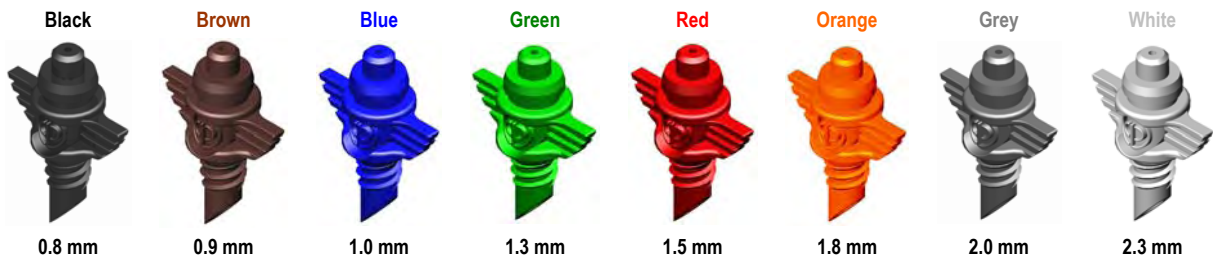
- Caps available in three spray patterns.
- 90° Fan Spray cap colour - Black.
- 180° Fan Spray cap colour - Black and Blue.
- 360° x 18 Hole Stream Spray cap colour - Black and Red.
- Eight colour coded bases with "FAST" thread for quick and easy installation.
- Base colour identifies flow rate.
- Caps and bases may be ordered separately.

GENERAL APPLICATIONS

- Ideal for landscaped gardens and garden beds.

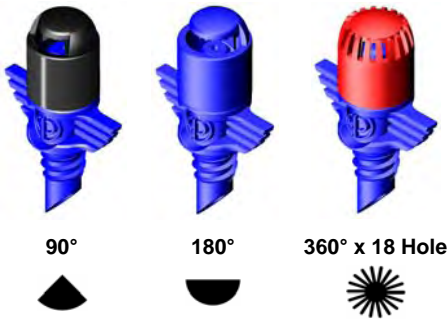


Winged Jet Bases with "FAST" Thread

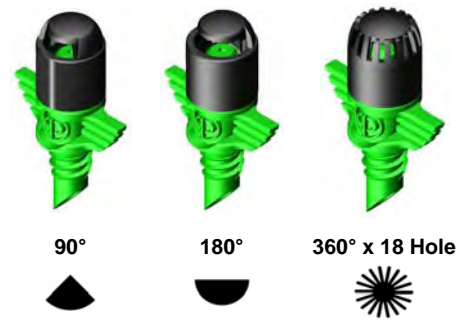


MICRO SPRAY CAPS AND BASES														
PACKAGING		CAPS					WINGED JET BASES							
		Black			Blue	Red	Black	Brown	Blue	Green	Red	Orange	Grey	White
CAP PATTERNS		90°	180°	360°	180°	360°								
ORDER CODES	PACKS	100176	100186	100196	100236	100246	100516	100606	100616	100626	100636	100646	100656	100666
	BULK	010017	010018	010019	010023	010024	010051	010060	010061	010062	010063	010064	010065	010066
QUANTITY PER BAG	PACKS	100					100							
	BULK	1000					1000							
BAGS PER CARTON	PACKS	500					320							
	BULK	50					30							
WEIGHT PER CARTON (kg)	PACKS	16.0					22.1							
	BULK	13.9					19.5							
BASE INLET CONNECTION							"FAST" Thread							
DIMENSIONS	HEIGHT	9.4 mm	9.4 mm	8.3 mm	9.4 mm	8.3 mm	22 mm							
	WIDTH	8 mm	8 mm	8 mm	8 mm	8 mm	16 mm							
	DEPTH	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm							
	WEIGHT	0.24 g	0.24 g	0.24 g	0.24 g	0.24 g	0.57 g							
MATERIAL UV STABILISED		Acetal					Acetal							

SPRAYS



Aquila Jet Micro Sprays



OPERATION

Two-piece micro sprays with excellent watering patterns that distribute water evenly over the irrigated surface. Optimum performance is achieved at low operating pressures. Winged bases are easy to install by hand eliminating the need for tools.

PRODUCT FEATURES

- Three spray patterns available.
- 90° Fan Spray – Cap colour - Black.
- 180° Fan Spray - Cap colour - Black and Blue.
- 360° x 18 Hole Stream Spray cap colour Black and Red.
- Eight colour coded bases with "FAST" thread for quick and easy installation.
- Base colour identifies flow rate.
- Assemblies made to order.

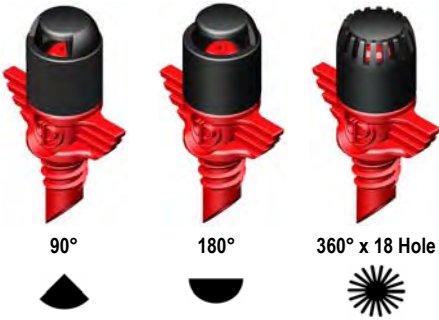
GENERAL APPLICATIONS

- General watering of landscaped areas and garden beds.
- Ideal where fixed flow rates are required at specified operating pressures.



AQUILA JET SPRAY ASSEMBLIES										
PACKAGING		COLOURED WINGED BASES WITH "FAST" THREAD								CAP COLOURS AND SPRAY PATTERNS
		Black	Brown	Blue	Green	Red	Orange	Grey	White	
ORDER CODES	PACKS	200406	200436	200466	200496	200526	200556	200586	200616	90°
	BULK	020040	020043	020046	020049	020052	020055	020058	020061	90°
	PACKS	200416	200446	200476	200506	200536	200566	200596	200626	180°
	BULK	020041	020044	020047	020050	020053	020056	020059	020062	180°
	PACKS	200426	200456	200486	200516	200546	200576	200606	200636	360° x 18 Hole
	BULK	020042	020045	020048	020051	020054	020057	020060	020063	360° x 18 Hole
	PACKS	200646	200666	200686	200706	200726	200746	200766	200786	180°
	BULK	020064	020066	020068	020070	020072	020074	020076	020078	180°
	PACKS	200656	200676	200696	200716	200736	200756	200776	200796	360° x 18 Hole
	BULK	020065	020067	020069	020071	020073	020075	020077	020079	360° x 18 Hole
QUANTITY PER BAG	PACKS	100								THE HEIGHT OF THE AQUILA JET SPRAYS MAY VARY SLIGHTLY DEPENDING ON BASE AND CAP SELECTED
	BULK	1000								
BAGS PER CARTON	PACKS	210								
	BULK	22								
WEIGHT PER CARTON (kg)	PACKS	17.2								
	BULK	17.1								
BASE INLET CONNECTION		"FAST" Thread								
DIMENSIONS OF AQUILA JET ASSEMBLED	HEIGHT	26 mm								
	WIDTH	16.2 mm								
	DEPTH	7.7 mm								
	WEIGHT	0.72 g								
MATERIAL UV STABILIZED		Acetal								

SPRAYS



OPERATION




Two-piece micro sprays with excellent watering patterns that distribute water evenly over the irrigated surface.

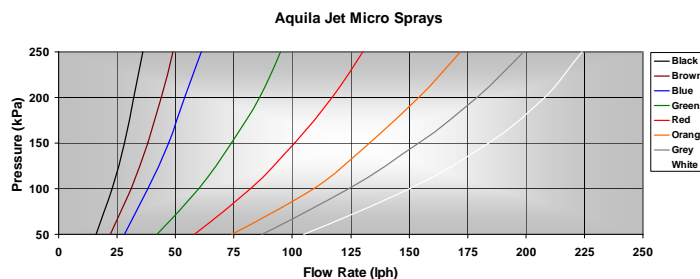
Optimum performance of the micro sprays is achieved at low operating pressures. In the table below this is indicated by the blue shaded row.

Aquila Jet

Micro Sprays



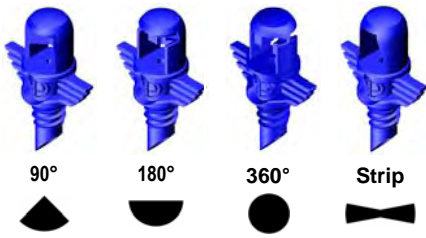
AQUILA JET SPRAYS							
METRIC PERFORMANCE DATA				SPRAY PATTERNS			
							
				90°	180°	360° x 18 Hole	
MICRO SPRAYS	BASE COLOUR AND JET OULET SIZE	PRESSURE	FLOW RATE	RADIUS OF THROW		DIAMETER OF THROW	
		(kPa)	(lph)	(m)		(m)	
	BLACK	0.8 mm	50	16	1.1	1.3	2.6
			100	23	1.6	1.5	3.5
			150	28	2.0	1.7	4.3
			200	32	2.3	1.8	4.9
			250	36	2.6	2.0	5.4
	BROWN	0.9 mm	50	22	1.3	1.4	3.0
			100	31	1.8	1.6	4.0
			150	38	2.3	1.8	4.8
200			44	2.6	2.0	5.5	
BLUE	1.0 mm	50	27	1.4	1.5	3.7	
		100	36	2.0	1.8	4.6	
		150	47	2.4	2.0	5.4	
GREEN	1.3 mm	200	54	2.8	2.2	6.0	
		250	61	3.1	2.4	6.6	
		50	42	1.6	1.7	4.9	
		100	60	2.2	2.0	5.7	
RED	1.5 mm	150	74	2.6	2.3	6.5	
		200	86	3.0	2.6	7.2	
		250	95	3.3	2.8	7.7	
		50	58	1.7	1.9	5.1	
ORANGE	1.8 mm	100	82	2.3	2.3	6.0	
		150	101	2.7	2.7	6.7	
		200	117	3.1	3.0	7.4	
		250	130	3.5	3.3	8.0	
GREY	2.0 mm	50	74	1.8	2.1	5.2	
		100	109	2.4	2.6	6.1	
		150	133	2.8	3.0	6.8	
		200	154	3.2	3.3	7.5	
WHITE	2.3 mm	250	172	3.6	3.6	8.1	
		50	87	1.9	2.2	5.3	
		100	124	2.5	2.7	6.2	
		150	154	3.0	3.1	6.9	
PERFORMANCE GRAPH		200	179	3.4	3.5	7.6	
		250	199	3.7	3.8	8.2	
		50	105	2.0	2.3	5.4	
		100	150	2.6	2.8	6.3	
PERFORMANCE GRAPH		150	184	3.1	3.2	7.0	
		200	208	3.5	3.6	7.7	
		250	224	3.8	3.9	8.3	



Tested 200 mm above Ground Level

Recommended operating pressure 100 kPa

SPRAYS



Single Piece Jet

Micro Sprays



OPERATION

Single Piece micro sprays that distribute water evenly over the irrigated surface.

Optimum performance and **“matched precipitation”** is achieved at specified operating pressure.

Winged bases are easy to install by hand, eliminating the need for tools.

PRODUCT FEATURES

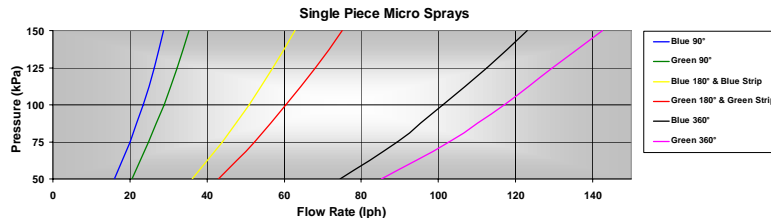
- Four spray patterns available per colour coded set.
- 90° Fan Spray
- 180° Fan Spray
- 360° Fan Spray
- Strip Spray
- Two colour coded sets, Blue and Green
- Colour code identifies set with **“matched precipitation”** at specified operating pressure.
- Winged base with **“FAST”** thread for quick and easy installation.

GENERAL APPLICATIONS

- General watering of landscaped areas and garden beds.
- Ideal where **“matched precipitation”** flow rates are required at specified operating pressures.

METRIC PERFORMANCE DATA

SINGLE PIECE MICRO SPRAYS	Blue				Green											
	90°		180°		360°		Strip		90°		180°		360°		Strip	
	FLOW (lph)	Radius of Throw (m)	FLOW (lph)	Radius of Throw (m)	FLOW (lph)	Diam. of Throw (m)	FLOW (lph)	Diam. of Throw (m)	FLOW (lph)	Radius of Throw (m)	FLOW (lph)	Radius of Throw (m)	FLOW (lph)	Diam. of Throw (m)	FLOW (lph)	Diam. of Throw (m)
PATTERN	90°		180°		360°		Strip		90°		180°		360°		Strip	
OUTLET SIZE	0.9 mm		1.2 mm		1.8 mm		1.2 mm		1.0 mm		1.4 mm		1.9 mm		1.4 mm	
PRESSURE (kPa)	16	0.9	36	1.0	75	2.1	36	2.2	21	1.2	43	1.4	85	2.8	43	2.9
50	16	0.9	36	1.0	75	2.1	36	2.2	21	1.2	43	1.4	85	2.8	43	2.9
100	24	1.0	51	1.1	101	2.2	51	2.4	29	1.4	60	1.6	117	3.0	60	3.2
150	29	1.1	63	1.3	123	2.3	63	2.6	35	1.5	75	1.7	143	3.2	75	3.5



Tested 200 mm above Ground Level

Recommended operating pressure 100 kPa

SINGLE PIECE MICRO SPRAYS

PACKAGING		Blue				Green			
		90°	180°	360°	Strip	90°	180°	360°	Strip
ORDER CODES	PACKS	100926	100936	100946	100956	101186	101196	101206	101216
	BULK	010092	010093	010094	010095	010118	010119	010120	010121
QUANTITY PER BAG	PACKS	100							
	BULK	1000							
BAGS PER CARTON	PACKS	250							
	BULK	25							
WEIGHT PER CARTON (kg)	PACKS	17.5							
	BULK	16.4							
BASE INLET CONNECTION		“FAST” Thread							
DIMENSIONS OF SINGLE PIECE JET ASSEMBLED	HEIGHT	26 mm							
	WIDTH	16.2 mm							
	DEPTH	7.7 mm							
	WEIGHT	0.6 g							
MATERIAL UV STABILIZED		Acetal							

SPRINKLERS



STANDARD



INVERTED



Orbita

Micro Sprinkler



ADJUSTABLE



OPERATION

Strong "C" frame design allows for excellent water distribution uniformity. A selection of bases is available for the four micro sprinkler models. The bases are colour coded to identify flow rate. Rotation of the rotor on the Adjustable Micro Sprinkler and the Spike models allows simultaneous adjustment of flow rate and radius of throw. Choose the model and base colour for the application required.

PRODUCT FEATURES

- Four Orbita micro sprinkler models available, Standard, Inverted, Adjustable and Spike.
- Six colour coded bases to choose from for the Standard model.
- Four colour coded bases for the Inverted model.
- Base colour identifies flow rate.
- The Adjustable model is available with a black base and black rotor or yellow base with a blue rotor.
- The Spike is pre-assembled model for quick and easy installation with a red base, adjustable rotor for flow and throw control, 500 mm of flexible tube and a 4.5 mm Joiner. There are two spike lengths to choose from, 200 mm or 310 mm.

PRODUCT FEATURES

- Strong "C" frame design.
- During rotation the spinner is supported between two bearings.
- The spinner on the Inverted model has a cover that protects the bottom bearing from dust.

GENERAL APPLICATIONS

- Ideal for large areas that include garden beds, landscapes, vegetable gardens and agricultural applications.



ORBITA MICRO SPRINKLER

		STANDARD						INVERTED				ADJUSTABLE		SPIKE	
		Brown	Blue	Green	Red	Orange	Grey	Brown	Blue	Green	Red	Black	Yellow	200 mm Red	310 mm Red
BASE COLOUR		Brown	Blue	Green	Red	Orange	Grey	Brown	Blue	Green	Red	Black	Yellow	Red	Red
ORIFICE SIZE		0.9 mm	1.0 mm	1.3 mm	1.5 mm	1.8 mm	2.0 mm	0.9 mm	1.0 mm	1.3 mm	1.5 mm	1.5 mm	1.5 mm	1.5 mm	1.5 mm
PACKAGING															
ORDER CODES	PACKS	201035	201045	201055	201065	201075	201085	201105	201115	201125	201135	201394	201404	201552	201562
	BULK	020103	020104	020105	020106	020107	020108	020110	020111	020112	020113	020139	020140	020155	020156
QUANTITY PER BAG	PACKS	50						50				25		10	10
	BULK	500						500				500		200	150
BAGS PER CARTON	PACKS	120						120				100		20	15
	BULK	12						12				5		1	1
WEIGHT PER CARTON (kg)	PACKS	15.5						15.6				12.1		9.9	8.6
	BULK	15.0						15.1				11.5		9.6	8.4
BASE INLET CONNECTION		"FAST" Thread						FAST" Thread				Thread 10-32 UNF		4.5 mm Barb	
DIMENSIONS OF ORBITA SPRINKLER ASSEMBLED	HEIGHT	41 mm						41 mm				53 mm		415 mm	525 mm
	WIDTH	33 mm						33 mm				33 mm		33 mm	33 mm
	DEPTH	12 mm						12 mm				23 mm		23 mm	23 mm
	WEIGHT	2.3 g						2.3 g				4.0 g		43.5 g	47.1 g
MATERIAL UV STABILIZED	FRAME	Acetal													
	BASE	Acetal													
	FLIPPER	Nylon													

SPRINKLERS

Orbita

Micro Sprinkler



ADJUSTABLE
Black Base – Black Rotor



ADJUSTABLE
Yellow Base – Blue Rotor



STANDARD
Blue Base



INVERTED
Red Base



STANDARD
Red Base

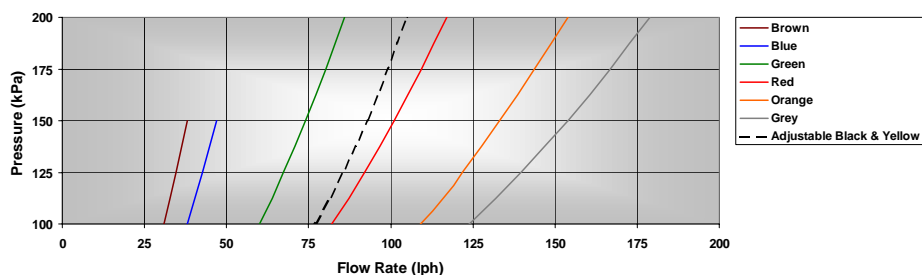


INVERTED
Green Base

MICRO SPRINKLERS

METRIC PERFORMANCE DATA				STANDARD		INVERTED		SPIKE		VARIABLE	
				200 mm		310 mm		200 mm		310 mm	
				Tested 0.2 m above Ground Level		Tested 0.8 m above Ground Level		Tested 2 m above Ground Level		Tested 0.3 m above Ground Level	
BASE COLOUR AND JET OULET SIZE	PRESSURE (kPa)	FLOW RATE (lph)	DIAMETER OF THROW (m)	STREAM HEIGHT (m)	DIAMETER OF THROW (m)		DIAMETER OF THROW (m)		DIAMETER OF THROW (m)	STREAM HEIGHT (m)	
			BROWN 0.9 mm	100 125 150	31 35 38	5.3 5.5 5.6	0.2 0.3 0.4	4.0 4.1 4.2	5.4 5.7 5.8		
BLUE 1.0 mm	100 125 150	36 42 47	5.4 5.6 5.7	0.2 0.3 0.4	4.1 4.2 4.3	5.6 5.8 5.9					
GREEN 1.3 mm	100 150 200	60 74 86	6.0 6.7 7.2	0.4 0.5 0.5	4.2 4.5 4.8	5.7 6.1 6.5					
RED 1.5 mm	100 150 200	82 101 117	6.4 7.3 8.0	0.4 0.5 0.5	4.4 4.8 5.1	5.9 6.5 7.0	6.5 7.4 8.1	6.6 7.5 8.2			
ORANGE 1.8 mm	100 150 200	109 133 154	6.8 7.7 8.4	0.4 0.5 0.5							
GREY 2.0 mm	100 150 200	124 154 179	6.9 7.8 8.6	0.5 0.5 0.5							
BLACK Adjustable to max 1.5 mm	100 150 200	0 - 77 0 - 94 0 - 105							0 - 6.3 0 - 7.2 0 - 7.9	0 - 0.4 0 - 0.4 0 - 0.4	
YELLOW Adjustable to max 1.5 mm	100 150 200	0 - 77 0 - 94 0 - 105							0 - 6.3 0 - 7.2 0 - 7.9	0 - 0.4 0 - 0.4 0 - 0.4	

Micro Sprinkler



Recommended operating pressure indicated by rows highlighted in blue

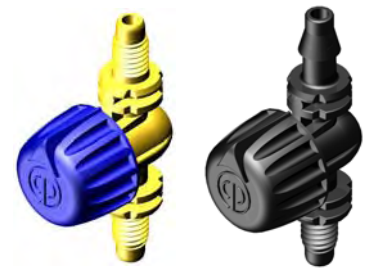
VALVES

Micro Valves

Barb and Thread Connections



Micro Valve
4.5 mm Barb



Micro Valve
10-32 UNF Thread

Micro Valve
10-32 UNF Thread
x
4.5 mm Barb

OPERATION

- Inline Micro Valves, easy to install, simple to use. Rotate rotor for water control management of micro irrigation installations.






PRODUCT FEATURES

- Available in three connection combinations, Barb x Barb, Thread x Thread and Barb x Thread.
- The Barb x Barb and the Thread x Thread micro valves are available black or coloured.
- The Barb x Thread micro valve is available black.

GENERAL APPLICATIONS

- Micro irrigation installations where flow control is required.



MICRO VALVES						
RANGE		COLOURED RANGE		BLACK RANGE		
						
ROTOR COLOUR		Blue	Blue	Black	Black	Black
BASE COLOUR		Yellow	Yellow	Black	Black	Black
ORDER CODES	PACKS	200875	200975	200865	200965	200885
	BULK	020087	020097	020086	020096	020088
QUANTITY PER BAG	PACKS	50	50	50	50	50
	BULK	1000	1000	1000	1000	1000
BAGS PER CARTON	PACKS	100	100	100	100	100
	BULK	5	5	5	5	5
WEIGHT PER CARTON (kg)	PACKS	13.5	13.5	13.5	13.5	13.5
	BULK	13.0	13.0	13.0	13.0	13.0
BASE CONNECTION TYPE		4.5 mm Barb	10-32 UNF Thread	4.5 mm Barb	10-32 UNF Thread	10-32 UNF Thread 4.5 mm Barb
DIMENSIONS OF ASSEMBLED MICRO VALVES	HEIGHT	40 mm	37 mm	40 mm	37 mm	39 mm
	WIDTH	22 mm	22 mm	22 mm	22 mm	22 mm
	DEPTH	15 mm	15 mm	15 mm	15 mm	15 mm
	WEIGHT	2.4 g	2.4 g	2.4 g	2.4 g	2.4 g
MATERIAL UV STABILISED	BASE	Acetal				

VALVES

Testa Roja Valves

Barb and Thread Connections



Testa Roja Valve
16 mm Barb

OPERATION

● Testa Roja Quick Action Valves, easy to install, simple to use.
To control water flow of irrigation installations rotate the valve handle. A quarter turn of the handle is all that is required to go from full flow to the Off position.

PRODUCT FEATURES

- Available in three connection combinations, Barb x Barb, Barb x Male Thread and Barb x Female Thread.
- A total of 40 different combinations are available.
- Quick Action valve with positive quarter turn "On-Off" feature.
- The Female Threaded Nut on the Female Threaded Valves rotates independently from the body. *Patent Pending*
- The 13 mm valves are for 16 mm O.D. LDPE Tube.
- The 17 mm valves are for 20 mm O.D. LDPE Tube.
- The 14 mm, 15 mm and 18 mm valves are for dripper lines



Testa Roja Valve
16 mm Barb x 1/2" NPT Male Thread




Testa Roja Valve
16 mm Barb x 1/2" Female Thread


GENERAL APPLICATIONS

- Irrigation installations where flow control is required.

PLEASE NOTE:

- Valve sizes specified refer to Inside Diameter of Tube.

TESTA ROJA VALVES										
		Testa Roja Valve Sizes								CONNECTION TYPE
		13 mm	14 mm	15 mm	16 mm	17 mm	18 mm	19 mm	20 mm	
CAP COLOUR		Red								
ROTOR COLOUR		Black								
BODY COLOUR		Black								
ORDER CODES	PACKS	201293	201413	201423	201233	202583	201433	201223	201443	Barb x Barb
	BULK	020129	020141	020142	020123	020258	020143	020122	020144	
QUANTITY PER BAG	PACKS	20	20	20	20	20	20	20	20	
	BULK	500	500	500	460	460	440	200	200	
BAGS PER CARTON	PACKS	25	25	25	23	23	22	10	10	
	BULK	1	1	1	1	1	1	1	1	
WEIGHT PER CARTON (kg)	PACKS	10.8	10.9	10.9	10.6	10.5	10.3	9.0	9.4	
	BULK	10.4	10.5	10.5	10.2	10.3	9.9	8.8	9.2	
DIMENSIONS OF TESTA ROJA VALVES ASSEMBLED	HEIGHT	41 mm	41 mm	41 mm	41 mm	41 mm	41 mm	54 mm	54 mm	
	WIDTH	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm	44 mm	44 mm	
	LENGTH	84 mm	84 mm	84 mm	84 mm	84 mm	84 mm	100 mm	100 mm	
	WEIGHT	19.0 g	19.2	19.2	20.3 g	20.4 g	20.4 g	39.6 g	41.6 g	

ORDER CODES	PACKS	201893	201943	202093	202143	202193	202243	202293	202343	Barb x 1/2" NPT Male Thread
	BULK	020189	020194	020209	020214	020219	020224	020229	020234	
QUANTITY PER BAG	PACKS	20	20	20	20	20	20	20	20	
	BULK	480	480	480	460	460	440	200	200	
BAGS PER CARTON	PACKS	24	24	24	23	23	22	10	10	
	BULK	1	1	1	1	1	1	1	1	
WEIGHT PER CARTON (kg)	PACKS	11.6	11.7	11.7	11.8	11.8	11.4	9.8	10.2	
	BULK	11.3	11.4	11.4	11.5	11.5	11.1	9.6	10.0	
DIMENSIONS OF TESTA ROJA VALVES ASSEMBLED	HEIGHT	41 mm	41 mm	41 mm	41 mm	41 mm	41 mm	54 mm	54 mm	
	WIDTH	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm	44 mm	44 mm	
	LENGTH	90 mm	90 mm	90 mm	90 mm	90 mm	90 mm	106 mm	106 mm	
	WEIGHT	21.6 g	21.8 g	21.8 g	22.9 g	23.0 g	23.1 g	43.5 g	45.5 g	
MATERIAL UV STABILISED	BODY	Acetal								

VALVES






Testa Roja Valve
16 mm Barb x 3/4" BSP Male Thread

Testa Roja Valves

Barb and Thread Connections



Testa Roja Valve
16 mm Barb x 3/4" Female Thread

TESTA ROJA VALVES										
		Testa Roja Valve Sizes								CONNECTION TYPE
		13 mm	14 mm	15 mm	16 mm	17 mm	18 mm	19 mm	20 mm	
CAP COLOUR		Red								
ROTOR COLOUR		Black								
BODY COLOUR		Black								
ORDER CODES	PACKS	201913	201963	202113	202163	202213	202263	202313	202363	Barb x 3/4" BSP Male Thread 
	BULK	020191	020196	020211	020216	020221	020226	020231	020236	
QUANTITY PER BAG	PACKS	20	20	20	20	20	20	20	20	
	BULK	360	360	360	360	360	340	180	180	
BAGS PER CARTON	PACKS	18	18	18	18	18	16	9	9	
	BULK	1	1	1	1	1	1	1	1	
WEIGHT PER CARTON (kg)	PACKS	9.5	9.5	9.5	9.9	10.0	9.0	9.0	9.4	
	BULK	9.2	9.3	9.3	9.7	9.7	9.3	8.9	9.2	
DIMENSIONS OF TESTA ROJA VALVES ASSEMBLED	HEIGHT	41 mm	41 mm	41 mm	41 mm	41 mm	41 mm	54 mm	54 mm	
	WIDTH	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm	44 mm	44 mm	
	LENGTH	92 mm	92 mm	92 mm	92 mm	92 mm	92 mm	108 mm	108 mm	
	WEIGHT	23.0 g	23.2 g	23.2 g	24.3 g	24.4 g	24.5 g	44.2 g	46.2 g	
ORDER CODES	PACKS	201923	201973	202123	202173	202223	202273	202323	202373	Barb x 1/2" Female Thread <i>Patent Pending</i> 
	BULK	020192	020197	020212	020217	020222	020227	020232	020237	
QUANTITY PER BAG	PACKS	20	20	20	20	20	20	20	20	
	BULK	480	480	480	460	460	440	200	200	
BAGS PER CARTON	PACKS	24	24	24	23	23	22	10	10	
	BULK	1	1	1	1	1	1	1	1	
WEIGHT PER CARTON (kg)	PACKS	12.5	12.6	12.6	13.0	13.1	12.6	10.1	10.5	
	BULK	12.2	12.3	12.3	12.7	12.8	12.3	9.9	10.3	
DIMENSIONS OF TESTA ROJA VALVES ASSEMBLED	HEIGHT	41 mm	41 mm	41 mm	41 mm	41 mm	41 mm	54 mm	54 mm	
	WIDTH	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm	44 mm	44 mm	
	LENGTH	95 mm	95 mm	95 mm	95 mm	95 mm	95 mm	109 mm	109 mm	
	WEIGHT	23.4 g	23.6 g	23.6 g	25.6 g	25.7 g	25.8 g	45.0 g	47.0 g	
ORDER CODES	PACKS	201933	201983	202133	202183	202233	202283	202333	202383	Barb x 3/4" Female Thread <i>Patent Pending</i> 
	BULK	020193	020198	020213	020218	020223	020228	020233	020238	
QUANTITY PER BAG	PACKS	20	20	20	20	20	20	20	20	
	BULK	360	360	360	360	360	340	180	180	
BAGS PER CARTON	PACKS	18	18	18	18	18	16	9	9	
	BULK	1	1	1	1	1	1	1	1	
WEIGHT PER CARTON (kg)	PACKS	11.0	11.1	11.1	11.5	11.6	10.4	9.6	10.0	
	BULK	10.8	10.9	10.9	11.3	11.3	10.8	9.5	9.9	
DIMENSIONS OF TESTA ROJA VALVES ASSEMBLED	HEIGHT	41 mm	41 mm	41 mm	41 mm	41 mm	41 mm	54 mm	54 mm	
	WIDTH	32 mm	32 mm	32 mm	32 mm	32 mm	32 mm	44 mm	44 mm	
	LENGTH	96 mm	96 mm	96 mm	96 mm	96 mm	96 mm	110 mm	110 mm	
	WEIGHT	27.4 g	27.6 g	27.6 g	28.7 g	28.8 g	28.9 g	47.6 g	49.6 g	
MATERIAL UV STABILISED	BODY	Acetal								

Please Note: The Testa Roja valves are available with a 3/4" NPT Male Thread – Different Part Codes are applicable

STAKES

Ultra Stakes Registered Design

The Ultra Stakes are ideal for landscaped gardens where plant heights differ and a variety of stake lengths are required to raise watering emitters above the plant foliage.

Rigid Risers or flexible Vinyl tube may be inserted into the stakes providing many height options.

The stakes may be spot placed away from the main supply line where irrigation of plants and shrubs is required.

The Ground Hook firmly holds main supply lines in position on the ground once the design layout has been defined in the garden bed.

PRODUCT FEATURES

- Two Ultra Stake lengths available, 200 mm and 310 mm.
- Suitable for use with 6.9 mm O.D. Rigid Risers or flexible Vinyl off take tube.
- Slim line.
- The Ground Hook is suitable for main supply lines from 16 mm O.D. to 20 mm O.D.

GENERAL APPLICATIONS

- Landscaped gardens.



Ultra Stakes
310 mm and 200 mm



Ultra Stake
application with
Flexible Tube



Ultra Stake
application with
Rigid Riser



Ground Hook
for
16 mm O.D. to 20 mm O.D. Tube

STAKES				
PACKAGING		ULTRA STAKE OPTIONS		GROUND HOOK
		200 mm STAKE	310 mm STAKE	16 mm O.D. to 20 mm O.D.
ORDER CODES	PACKS	100474	100464	101744
	BULK	010047	010046	010174
QUANTITY PER BAG	PACKS	25	25	20
	BULK	750	500	100
BAGS PER CARTON	PACKS	30	20	40
	BULK	1	1	6
WEIGHT PER CARTON (kg)	PACKS	10.7	10.3	10.4
	BULK	10.6	10.3	8.0
DIMENSIONS OF STAKES	HEIGHT	200 mm	310 mm	150 mm
	WIDTH	17 mm	17 mm	36 mm
	DEPTH	15 mm	15 mm	17 mm
	WEIGHT	12.8 g	18.6 g	11.6 g
MATERIAL U.V. STABILISED		Polypropylene		

FITTINGS

Micro Fittings

Micro Fittings and Adaptors



Adaptor
Micro x 1/2" NPT/F



Elbow
4.5 mm Barb

A range of micro fittings and adaptors used for connecting low-pressure tubing to main water supply lines and emitters.
A 1/2" NPT/F adaptor for connection to 1/2" threaded risers with self-tapping micro connection for 4 mm male threaded micro emitters.

PRODUCT FEATURES

- Micro fittings and adaptors with barb or "FAST" thread connection.
- 1/2" NPT/F adaptor for connecting to 1/2" threaded risers.

GENERAL APPLICATIONS

- Landscaped gardens, greenhouses and vegetable gardens.



Adaptor
"FAST" Thread x 4.5 mm Barb



Joiner 4.5 mm Barb



Adaptor
"FAST" Thread
Winged



Adaptor
Hypodermic Barb



Tee
4.5 mm Barb



Cross
4.5 mm Barb

MICRO FITTINGS AND ADAPTORS										
PACKAGING		Elbow	Tee	Cross	Joiner	Adaptors				
		4.5 mm Barb				"FAST" Thread x 4.5 mm Barb	Hypo Barb 4.5 mm	"FAST" Thread Winged	Micro x 1/2" NPT/F	
ORDER CODES	PACKS	100425	100445	100675	100406	100696	100706	100716	102094	
	BULK	010042	010044	010067	010040	010069	010070	010071	010209	
QUANTITY PER BAG	PACKS	50	50	50	100	100	100	100	25	
	BULK	1000	1000	1000	1000	1000	1000	1000	500	
BAGS PER CARTON	PACKS	360	250	250	200	250	200	250	80	
	BULK	28	18	12	24	28	25	26	5	
WEIGHT PER CARTON (kg)	PACKS	14.0	12.5	15.0	14.6	14.3	14.2	15.0	8.8	
	BULK	18.2	15.7	13.1	16.2	14.7	16.4	15.4	10.5	
DIMENSIONS OF MICRO FITTINGS AND ADAPTORS	HEIGHT	19 mm	30 mm	30 mm	29 mm	27 mm	27 mm	27 mm	25 mm	
	WIDTH	19 mm	19 mm	30 mm	10 mm	7.8 mm	16 mm	14 mm	27 mm	
	DEPTH	7.4 mm	7.4 mm	7.4 mm	10 mm	7.8 mm	7.0 mm	7.7 mm	27 mm	
	WEIGHT	0.6 g	0.8 g	1.0 g	0.6 g	0.5 g	0.6 g	0.5 g	3.7 g	
MATERIAL UV STABILISED		Acetal							Polypropylene	

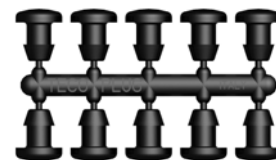
FITTINGS

Fittings

Rigid Risers, Ratchet Clamps, Repair Plugs and Accessories



Ratchet Clamp
OD16-18



Repair Plugs
(Rack of 10)



Pressure
Regulator

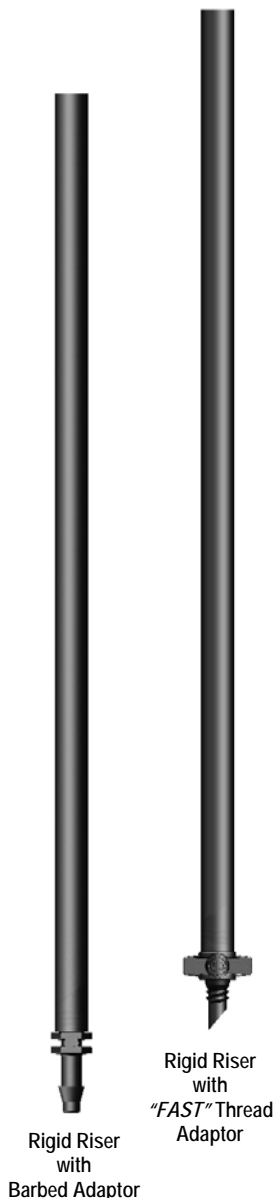
Rigid Risers used to raise emitters above plant foliage.
Repair Plugs for repairing holes in Low Density Polyethylene tubing.
Ratchet Clamps for securing LDPE tube to barbed fittings.
Pressure Regulator controls mains water pressure at outlet to 100 kPa (1.0 Bar) and a flow of 25 lph.

PRODUCT FEATURES

- Rigid Risers available in three lengths, 200 mm, 300 mm and 450 mm with barbed connection or "FAST" thread connection.

GENERAL APPLICATIONS

- Landscaped gardens, greenhouses and vegetable gardens.



Rigid Riser
with
"FAST" Thread
Adaptor

Rigid Riser
with
Barbed Adaptor

RIGID RISERS, RATCHET CLAMPS, REPAIR PLUGS AND ACCESSORIES

PACKAGING		RIGID RISERS with BARBED ADAPTOR			RIGID RISERS with "FAST" THREAD ADAPTOR			RATCHET CLAMPS		REPAIR PLUGS	PRESSURE REGULATOR
		200 mm	300 mm	450 mm	200 mm	300 mm	450 mm	OD16 - 18	OD19 - 21	4.5 mm Barb	¾" BSP Female x ¾" BSP Male
ORDER CODES	PACKS	200806	200816	200826	200836	200846	200856	101336	101356	100802	202603
	BULK	020080	020081	020082	020083	020084	020085	010133	010135	010080	020260
QUANTITY PER BAG	PACKS	100	100	100	100	100	100	100	100	10	20
	BULK	2300	1800	1100	2300	1800	1100	1000	1000	500	500
BAGS PER CARTON	PACKS	23	18	11	23	18	11	65	50	200	25
	BULK	1	1	1	1	1	1	6	5	5	1
WEIGHT PER CARTON (kg)	PACKS	12.1	13.6	12.2	12.1	13.6	12.2	14.1	14.2	8.2	16.3
	BULK	12.0	13.4	12.1	12.0	13.4	12.1	12.8	14.0	8.5	16.1
DIMENSIONS OF FITTINGS	HEIGHT	216 mm	316 mm	466 mm	217 mm	317 mm	467 mm	32 mm	36 mm	49 mm	75 mm
	WIDTH	7.6 mm	7.6 mm	7.6 mm	14 mm	14 mm	14 mm	30 mm	35 mm	28 mm	32 mm
	DEPTH	7.6 mm	7.6 mm	7.6 mm	7.7 mm	7.7 mm	7.7 mm	5.6 mm	6.6 mm	8.5 mm	32 mm
	WEIGHT	4.8 g	6.9 g	10.2 g	4.8 g	6.9 g	10.2 g	2.0 g	2.8 g	3.0 g	30.4 g
MATERIAL UV STABILISED		HDPE						Acetal		Polypropylene	Polypropylene



TECO Srl

Micro Irrigation Products
Metric Catalogue
2009

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