



**Teco Irrigation USA, Inc**  
**Professional Micro Irrigation Products Catalog**  
**Landscape & Agriculture**  
**2021**



Quality from day ONE



## DRIPPERS

Ottima™ 360° <i>8 Stream Drippers</i>	- Adjustable Flow & Throw.....	2
Ottima™ 180° <i>5 Stream Drippers</i>	- Adjustable Flow & Throw.....	3
Ottima™ 360° PC Spike <i>8 Stream Drippers</i>	- Pressure Compensating.....	4
Ottima™ 180° PC Spike <i>5 Stream Drippers</i>	- Pressure Compensating.....	4
Mini Bubbla 360° <i>Umbrella Pattern Emitters</i>	- Adjustable Flow & Throw & Pressure Compensating.....	5
Delta™ Drip <i>Drip Emitters</i>	- Adjustable Flow & Throw.....	6
Delta™ Drip Spike PC <i>Drip Emitter</i>	- Pressure Compensating.....	7
Mikra™ Drip PC <i>Drip Emitter</i>	- Pressure Compensating.....	8

## SPRAYS

Maxima™ 360° <i>Vortex Sprays</i>	- Adjustable Flow & Throw.....	9
Maxima™ 360° PC Spike <i>Vortex Sprays</i>	- Pressure Compensating.....	10
Idra™ Sprays <i>Spray Jets</i>	- Adjustable Flow & Throw.....	11
Aquila™ Jet Spike <i>Spray Spike Assemblies</i>	- Adjustable Flow & Throw.....	12
Idra™ Spike <i>Spray Spike Assemblies</i>	- Adjustable Flow & Throw.....	12
Micro Sprays	- Caps & Bases.....	13
Aquila™ Jets <i>Micro Sprays</i>	- Fixed Flow.....	14
Aquila™ Jets <i>Micro Sprays</i>	- Fixed Flow.....	15
Aquila™ Jet PC <i>Sprays Jets</i>	- Pressure Compensating.....	16
Aquila™ Jet PC <i>Spray Jets</i>	- Pressure Compensating.....	17
Single Piece Jets <i>Micro Sprays</i>	- Matched Precipitation.....	18
Down Sprays & Stream Jets <i>Open Frame Sprays</i>	- Standard & Pressure Compensating.....	19
Down Sprays & Stream Jets <i>Open Frame Sprays</i>	- Standard & Pressure Compensating.....	20

## SPRINKLERS

Orbita Micro Sprinklers <i>Standard, Inverted &amp; Spikes</i>	- Fixed Flow & Adjustable Flow.....	21
Orbita Micro Sprinklers <i>Standard, Inverted &amp; Spikes</i>	- Fixed Flow & Adjustable Flow.....	22
Orbita PC Micro Sprinklers	- Pressure Compensating.....	23
Orbita Micro Sprinklers <i>Standard and Inverted</i>	- Fixed Flow & Adjustable Flow.....	24
Orbita Micro Sprinklers <i>Inverted Sprinkler Assemblies</i>	- Fixed Flow .....	25
Orbita Micro Sprinklers <i>Standard and Inverted</i>	- Fixed Flow .....	26

## VALVES

Micro Valves	- Barb & Thread Connections.....	27
Testa Roja Valves <i>Landscape</i>	- Barb & Thread Connections.....	28
Testa Roja Valves <i>Landscape</i>	- Barb & Thread Connections.....	29
Testa Roja Valves <i>Agriculture</i>	- PE & PVC Pipe, Layflat and Tape Connections.....	30
Testa Roja Valves <i>Agriculture</i>	- PE & PVC Pipe, Layflat and Tape Connections.....	31
Testa Roja Valves <i>Agriculture</i>	- PE & PVC Pipe, Layflat and Tape Connections.....	32
Testa Roja Valves <i>Agriculture</i>	- PE & PVC Pipe, Layflat and Tape Connections.....	33

## FILTERS

Filters & Pressure Reducers	- Thread Connections.....	35
	- Barb & Thread Connections.....	36

## STAKES

Ultra™ Stakes & Ground Hooks	- Stakes & Stake Assemblies.....	37
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## FITTINGS

Fittings	- Micro Fittings, Adaptors, Nut & Tails.....	38
Fittings	- Rigid Risers.....	39
Fittings	- Ratchet Clamps & Accessories.....	40
Fittings	- Double Barb Drip-Line Connections.....	41
Fittings	- Tape Adaptors & Accessories.....	42
Fittings	- Accessories.....	44

## KITS

Drip Kits	- Patio Kit & Vegetable Kit.....	45
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## WARRANTY

Warranty	- Conditions of Sale Limited Warranty.....	46
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## Adjustable 8 Stream Drippers


### FEATURES and BENEFITS

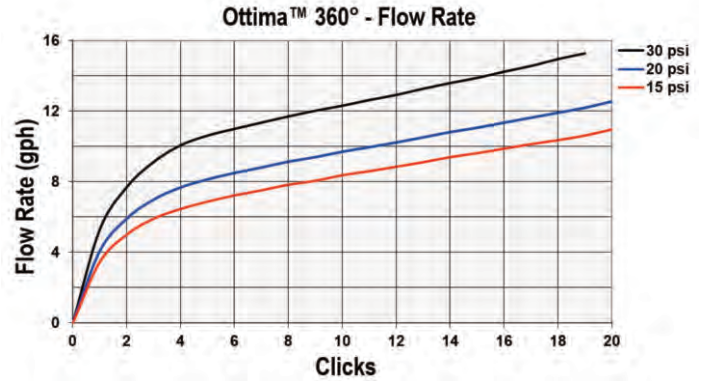
- Rotation of the Ottima™ 360° cap allows simultaneous adjustment of flow rate and diameter of throw.
- Easy to increase or decrease the stream pattern.
- Gives a greater control of flow rate and diameter of throw compared to fixed flow emitters.
- Quick ON-OFF action.
- Four base options available, 0.18" Barb, 10-32 UNF Male Thread, 1/2" FPT Female Thread and Spike.

### APPLICATIONS

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



PERFORMANCE DATA				
DRIPPERS		PRESSURE	FLOW	DIAMETER OF THROW
		(psi)	(gph)	(ft)
	Adjustable to Maximum (approx) 20 Clicks	15	0 - 11	0 - 1.5
		20	0 - 12.5	0 - 1.9
	30	0 - 15.7	0 - 2.7	
Tested 8" above Ground Level				
Recommended operating pressure 15 psi				








Ottima™ 360°  
1/2" FPT



Ottima™ 360°  
0.18" Barb



Ottima™ 360°  
10-32 UNF Thread

Ottima™ 360°						
PACKAGING						
		BARB	THREAD	SPIKE	IN-LINE SPIKE	1/2" FPT
Order Codes	Packs	200016	200026	200034	204294	202054
	Bulk	020001	020002	020003	020429	020205
Quantity per Bag	Packs	100	100	25	25	25
	Bulk	1000	1000	1000	1000	250
Bags per Carton	Packs	65	65	40	40	70
	Bulk	7	7	1	1	7
Weight per Carton (lbs)	Packs	27.1	31.3	15.2	15.2	20.7
	Bulk	28.4	32.8	14.8	14.8	19.8
Base Inlet Connection		0.18" Barb	10-32 UNF Thread	0.18" Barb	0.18" Barb	1/2" FPT
Dimensions Assembled (inches)	Height	0.95	0.95	6	6	1.2
	Width	0.78	0.78	1.65	1.5	1.1
	Depth	0.63	0.63	0.63	0.63	1.1
	Weight (oz)	0.06	0.07	0.2	0.2	0.16
Material		U.V. Stabilized				



Ottima 360°  
Spike



Ottima 360°  
In-Line Spike

## Adjustable 5 Stream Drippers


### FEATURES and BENEFITS

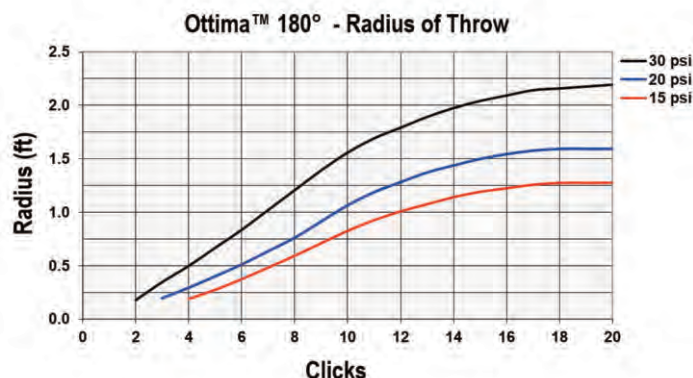
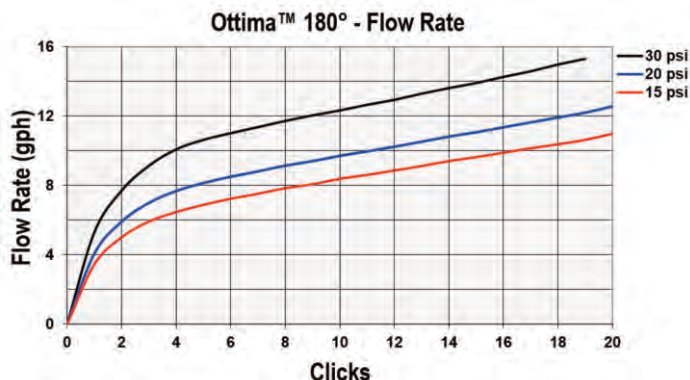
- Rotation of the Ottima™ 180° cap allows simultaneous adjustment of flow rate and diameter of throw.
- Easy to increase or decrease the stream pattern.
- Gives a greater control of flow rate and diameter of throw compared to fixed flow emitters.
- Quick ON-OFF action.
- Four base options available, 0.18" Barb, 10-32 UNF Male Thread, 1/2" FPT Female Thread and Spike.






### APPLICATIONS

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



PERFORMANCE DATA				
DRIPPERS		PRESSURE (psi)	FLOW (gph)	RADIUS OF THROW (ft)
	Adjustable to Maximum (approx) 20 Clicks	15	0 - 11	0 - 1.3
		20	0 - 12.5	0 - 1.6
		30	0 - 15.7	0 - 2.2
Tested 8" above Ground Level				
Recommended operating pressure 15 psi				



Ottima™ 180°						
PACKAGING						
		BARB	THREAD	SPIKE	IN-LINE SPIKE	1/2" FPT
Order Codes	Packs	201146	201156	201164	204314	202064
	Bulk	020114	020115	020116	020431	020206
Quantity per Bag	Packs	100	100	25	25	25
	Bulk	1000	1000	1000	1000	250
Bags per Carton	Packs	65	65	40	40	70
	Bulk	7	7	1	1	7
Weight per Carton (lbs)	Packs	27.1	31.3	15.2	15.2	20.7
	Bulk	28.4	32.8	14.8	14.8	19.8
Base Inlet Connection		0.18" Barb	10-32 UNF Thread	0.18" Barb	0.18" Barb	1/2" FPT
Dimensions Assembled (inches)	Height	0.95	0.95	6	6	1.2
	Width	0.78	0.78	1.65	1.5	1.1
	Depth	0.63	0.63	0.63	0.63	1.1
	Weight (oz)	0.06	0.07	0.2	0.2	0.16
Material		U.V. Stabilized				





## Pressure Compensating Stream Drippers



### FEATURES and BENEFITS

- Pressure Compensating Spike emitters with pre-defined discharge rates that maintain uniform output flow rate and diameter of throw when the inlet pressure of the supply system varies.
- Two Spikes are available: End-Line and In-Line, Colour Coded for easy identification
- Two Caps available: Ottima™ 180°, 5 Stream and Ottima™ 360°, 8 Stream
- The End-Line Ottima™ Spike PC 180° is available in three discharge rates, 6 gph (Black) 8 gph (Orange) and 10 gph (Blue).
- The In-Line Ottima™ Spike PC 180° is available with two discharge rates, 6 gph (Black) and 8 gph (Orange)
- The End-Line Ottima™ Spike PC 360° is available with two discharge rates, 8 gph (Orange) and 10 gph (Blue).
- The In-Line Ottima™ Spike PC 360° is available with one discharge rate, 8 gph (Orange)



### APPLICATIONS

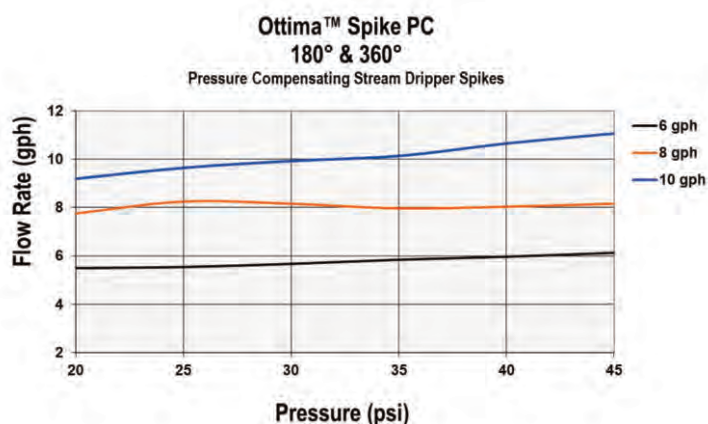
- Use for watering plants in small or large pots, garden beds and landscaped areas.









PERFORMANCE DATA				CAP PATTERNS	
					
				180° x 5 Stream	360° x 8 Stream
DRIPPERS	COLOR AND PRE-DEFINED FLOW RATE	PRESSURE (psi)	FLOW (gph)	RADIUS OF THROW (ft)	DIAMETER OF THROW (ft)
	Black 6 gph	20	5.7	0.6	
		25	5.8	0.6	
		30	5.9	0.7	
		35	6.0	0.7	
		40	6.1	0.7	
	Orange 8 gph	45	6.2	0.7	
		20	8.2	1.2	0.8
		25	8.2	1.3	0.8
		30	8.2	1.3	0.9
		35	8.3	1.3	0.9
	Blue 10 gph	40	8.3	1.3	0.9
		45	8.3	1.3	0.9
		20	9.6	1.6	1.1
		25	10.0	1.6	1.1
		30	10.3	1.6	1.2
		35	10.6	1.6	1.2
		40	10.9	1.6	1.2
		45	11.2	1.6	1.2

Recommended Operating Pressure 20 psi to 45 psi - Tested 8" above Ground Level

### FILTRATION REQUIREMENTS

- Black, Orange and Blue Spikes: 130 microns (120 mesh)



Ottima™ Spike PC - 360° & 180°										
Cap Pattern		360°x 8 Stream			180°x 5 Stream					
Connection Type		END-LINE		IN-LINE	END-LINE		IN-LINE			
PACKAGING										
Color and Flow Rate		8 gph	10 gph	8 gph	6 gph	8 gph	10 gph	6 gph	8 gph	
Order Codes	Packs	203264	203274	204334	205114	204354	204364	205134	204374	
	Bulk	020326	020327	020433	020511	020435	020436	020513	020437	
Quantity per Bag	Packs									25
	Bulk									1000
Bags per Carton	Packs									40
	Bulk									1
Weight per Carton (lbs)	Packs									17.6
	Bulk									17.4
Base Inlet Connection										0.18" Barb
Dimensions Assembled (inches)	Height									6
	Width	1		1.5		1			1.5	
	Depth									0.7
	Weight (oz)									0.24
Material										U.V. Stabilized



Ottima™ Spike PC 360°, 8 gph End-Line



Ottima™ Spike PC 180°, 6 gph In-Line

## Umbrella Pattern Emitters, Adjustable & PC

### FEATURES and BENEFITS

- Rotation of the Mini Bubbla cap allows simultaneous adjustment of flow rate and diameter of throw. This action produces a uniform umbrella pattern that gently applies water to the root zone of the plant.
- Four base options available for the Adjustable Mini Bubbla 360°, 0.18" Barb, 10-32 UNF Male Thread, 1/2" FPT Thread and 6" Spike.
- Cap rotation adjusts flow and radius.
- Effective watering at the root zone.
- Easy to regulate the water flow.
- The Mini Bubbla 360° PC Spike is available in one discharge rate, 20 gph, color coded (Red).

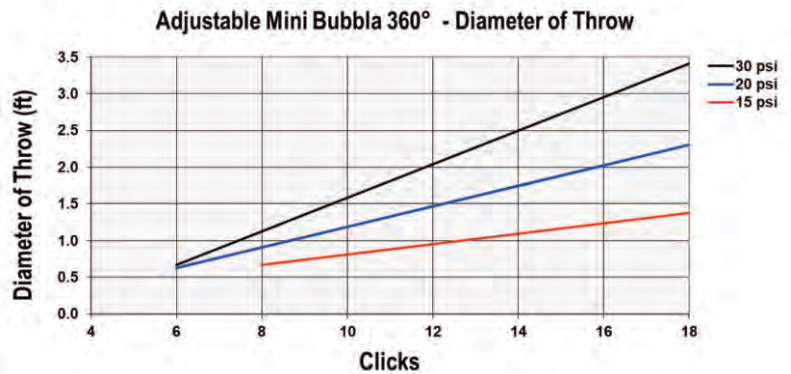
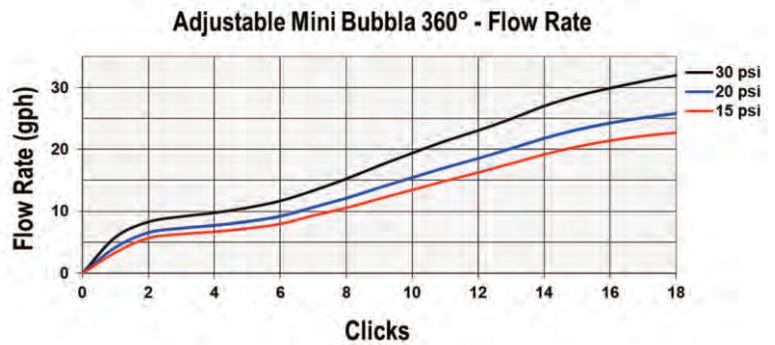


### APPLICATIONS

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

PERFORMANCE DATA				
DRIPPERS	●	PRESSURE (psi)	FLOW (gph)	DIAMETER OF THROW (ft)
	Adjustable to Maximum (approx) 18 Clicks	15	0 - 22.7	0 - 1.6
		20	0 - 25.8	0 - 2.6
		30	0 - 32.0	0 - 3.3
		Recommended operating pressure 15 psi		
	Mini Bubbla 360° PC Spike 20 gph	20	16.8	1.0
		25	18.2	1.0
		30	19.4	1.0
		35	20.1	1.1
		40	20.4	1.2
Recommended operating pressure 20 to 45 psi				

Tested 8" above Ground Level



Mini Bubbla 360°  
1/2" FPT Thread



Mini Bubbla 360°  
10-32 UNF Thread



Mini Bubbla 180°  
0.18" Barb

### FILTRATION REQUIREMENTS

- Red Spike: 200 microns (80 mesh)

		Mini Bubbla 360°				
		ADJUSTABLE MINI BUBBLA 360°				20 gph PC
PACKAGING						
		BARB	THREAD	SPIKE	1/2" FPT	SPIKE
Order Codes	Packs	201176	201186	201194	202084	204394
	Bulk	020117	020118	020119	020208	020439
Quantity per Bag	Packs	100	100	25	25	25
	Bulk	1000	1000	1000	250	1000
Bags per Carton	Packs	65	65	40	70	40
	Bulk	7	7	1	7	1
Weight per Carton (lbs)	Packs	25.7	31.3	16.3	17.6	18.3
	Bulk	26.8	32.8	15.9	17.0	17.9
Base Inlet Connection		0.18" Barb	10-32 UNF Thread	0.18" Barb	1/2" FPT	0.18" Barb
Dimensions Assembled (inches)	Height	1	1	6	1.2	6.1
	Width	0.8	0.8	1.7	1.1	1.7
	Depth	0.6	0.6	0.6	1.1	0.6
	Weight (oz)	0.06	0.07	0.22	0.13	0.30
Material		U.V. Stabilized				



Mini Bubbla 360°  
PC Spike



Mini Bubbla 360°  
Spike

## Delta™ Drip

### Adjustable Drip Emmitter

(Registered Design)


#### FEATURES and BENEFITS

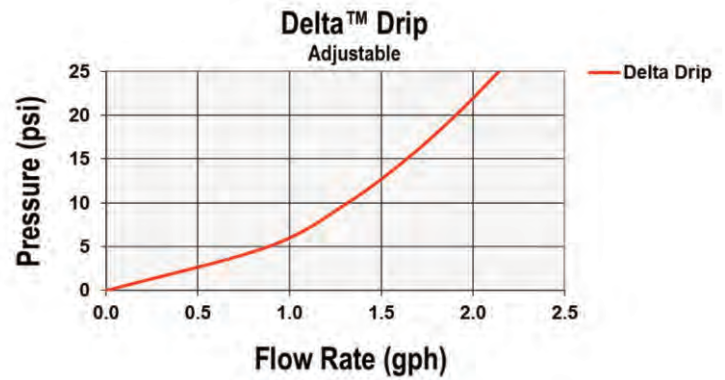
- Rotation of the key in the body adjusts the flow rate from 0 to 2 gph at 20 psi. Flow rate may be increased or decreased until final shut off.
- Turbulent flow path.
- Two key types available:
  1. End-Line Adjustable 0-2 gph key. **(Black)**
  2. In-Line Adjustable 0-2 gph key. **(Brown)**
- Two body types to choose from depending on application:
  1. Standard body with 0.18" inlet barb.
  2. Spike with 0.18" inlet barb.
- May be turned "OFF" when not in use.

#### APPLICATIONS

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



PERFORMANCE DATA				
DRIPPERS		PRESSURE	FLOW	
		(psi)	(gph)	
	Adjustable to 2 gph at 20 psi		10	0 - 1.3
			15	0 - 1.6
			20	0 - 1.9
		25	0 - 2.1	
Recommended operating pressure 20 psi				







Delta™ Drip 0.18" Barb End-Line



Delta™ Drip 0.18" Barb In-Line

#### FILTRATION REQUIREMENTS

- Drip Emitters: 100 microns (150 mesh)

Delta™ Drip Emitters					
PACKAGING					
		BARB End-Line	SPIKE End-Line	BARB In-Line	SPIKE In-Line
Order Codes	Packs	200916	200904	203936	203944
	Bulk	020091	020090	020393	020394
Quantity per Bag	Packs	100	25	100	25
	Bulk	1000	1500	1000	1250
Bags per Carton	Packs	70	50	70	50
	Bulk	7	1	7	1
Weight per Carton (lbs)	Packs	29.5	15.4	29.7	15.5
	Bulk	28.9	15.0	29.2	15.1
Base Inlet Connection		0.18" Barb	0.18" Barb	0.18" Barb	0.18" Barb
Dimensions Assembled (inches)	Height	3/4	5	3/4	5
	Width	2	2	2.5	2.5
	Depth	3/8	3/8	3/8	3/8
	Weight (oz)	0.06	0.16	0.07	0.17
Material		U.V. Stabilized			



Delta™ Drip Spike End-Line

Delta™ Drip Spike In-Line



## Pressure Compensating Drip Emitters


### FEATURES and BENEFITS

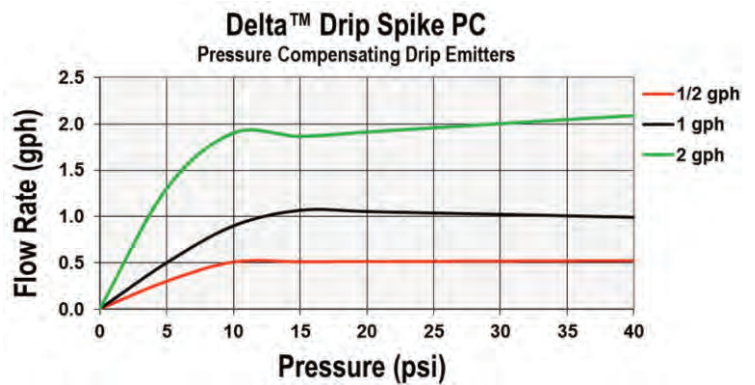
- Turbulent flow path pressure compensating drip emitters with pre-defined flow rates.
- Suit installations where slopes and changes of water pressure would otherwise require complex design systems and where uniform flow rates are required.
- Two Spike versions available.
  1. End-Line with 0.18" Inlet Barb
  2. In-Line with 0.18" Inlet & Outlet Barb
- Three flow rates available for each spike type, Color Coded for easy identification: 0.5 gph (Red), 1 gph (Black) and 2 gph (Green)

### APPLICATIONS

- May be used for vegetable patches, home gardens, nurseries, balconies and patios.









PERFORMANCE DATA		DELTA™ DRIP SPIKE PC			
		END-LINE & IN-LINE			
		0.5 gph	1 gph	2 gph	
DRIPPERS	 PRESSURE (psi) FLOW (gph)	10	0.30	0.90	1.90
		15	0.51	1.07	1.86
		20	0.51	1.05	1.91
		25	0.51	1.04	1.96
		30	0.52	1.02	2.00
		35	0.52	1.01	2.05
		40	0.52	0.99	2.09
		Minimum Cross-section		0.024" x 0.032"	0.032" x 0.037"
Recommended Operating Pressure 15 psi to 40 psi					



### FILTRATION REQUIREMENTS

- Drip Emitters: 100 microns (150 mesh)

		Delta™ Drip Spike PC					
Connection Type		END-LINE			IN-LINE		
PACKAGING							
Color and Flow Rate		0.5 gph	1 gph	2 gph	0.5 gph	1 gph	2 gph
Order Codes	Packs	202744	202754	202764	202774	202784	202794
	Bulk	020274	020275	020276	020277	020278	020279
Quantity per Bag	Packs	25					
	Bulk	1250					
Bags per Carton	Packs	50					
	Bulk	1					
Weight per Carton (lbs)	Packs	15.2			15.4		
	Bulk	15.0			15.2		
Base Inlet Connection		0.18" Barb					
Dimensions Assembled (inches)	Height	5.7					
	Width	1.1			1.5		
	Depth	0.7					
	Weight (oz)	0.20			0.21		
Material		U.V. Stabilized					



Delta™ Drip Spike PC  
2 gph In-Line



Delta™ Drip Spike PC  
0.5 gph End-Line



## Pressure Compensating Drip Emitters


### FEATURES and BENEFITS

- Turbulent flow path, pressure compensating drip emitters with pre-defined flow rates.
- Suit installations where slopes and changes of water pressure would otherwise require complex design systems and where uniform flow rates are required
- Self piercing 0.18" barb with sharp needle for quick and easy installation.
- Four flow rates are available. Color Coded for easy identification:  
0.25 gph (**Brown**), 0.5 gph (**Red**), 1 gph (Black) and 2 gph (**Green**)

### APPLICATIONS

- May be used for vegetable patches, home gardens, nurseries, balconies and patios.



PERFORMANCE DATA		Mikra™ Drip PC				
		BUTTON DRIP EMITTERS				
DRIPPERS	 PRESSURE (psi)	FLOW (gph)				
		0.25 gph	0.5 gph	1 gph	2 gph	
	Pressure Compensating	10	0.31	0.44	0.98	1.61
		15	0.30	0.46	1.01	1.92
		20	0.30	0.47	1.03	2.16
		25	0.30	0.48	1.05	2.18
		30	0.29	0.49	1.07	2.17
35		0.29	0.50	1.09	2.18	
40	0.28	0.51	1.11	2.18		
Minimum Cross-section (inches)		0.017 x 0.022	0.024 x 0.032	0.032 x 0.037	0.039 x 0.043	
Recommended Operating Pressure 15 psi to 40 psi						



Mikra™ 0.25 gph  
0.18" Barb



Mikra™ 0.5 gph  
0.18" Barb







Mikra™ 1 gph  
0.18" Barb

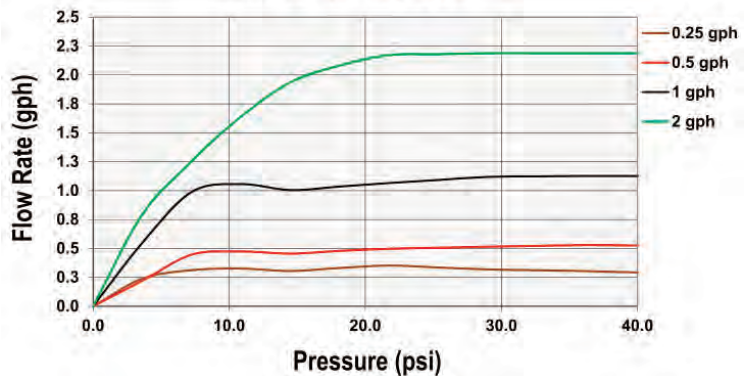


Mikra™ 2 gph  
0.18" Barb

- ### FILTRATION REQUIREMENTS
- Drip Emitters: 100 microns (150 mesh)

Mikra™ Drip PC						
Connection Type		0.18" BARB				
PACKAGING						
	Color and Flow Rate	0.25 gph	0.5 gph	1 gph	2 gph	
	Order Codes	Packs	201806	203876	203886	203896
		Bulk	020180	020387	020388	020389
Quantity per Bag	Packs	100				
	Bulk	8000				
Bags per Carton	Packs	75				
	Bulk	1				
Weight per Carton (lbs)	Packs	37.0				
	Bulk	40.6				
Base Inlet Connection		0.18" Barb				
Dimensions Assembled (inches)	Height	1				
	Width	0.73				
	Depth	0.73				
	Weight (oz)	0.07				
Material		U.V. Stabilized				

Mikra™ Drip PC  
Pressure Compensating Drip Emitters



## Adjustable Vortex Sprays


### FEATURES and BENEFITS

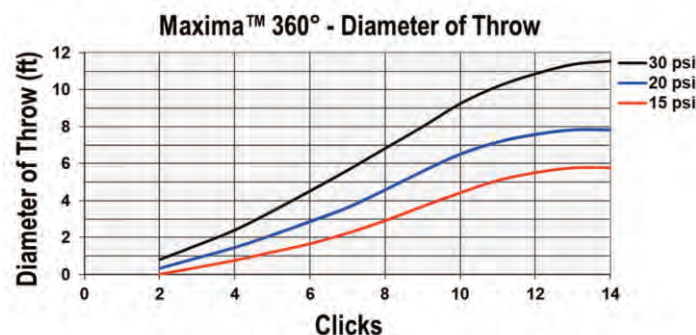
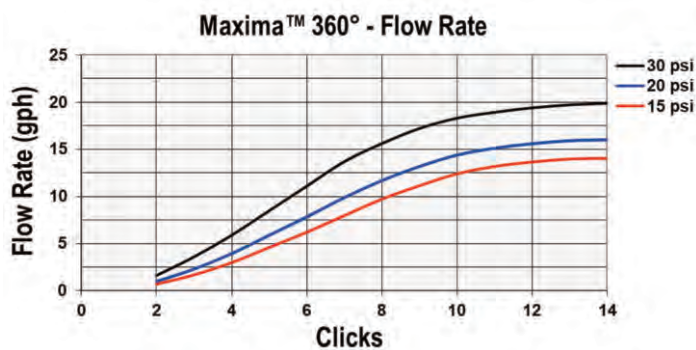
- Rotation of the Maxima™ 360° cap allows simultaneous adjustment of flow rate and diameter of throw. The ratchet clip action between the cap and the base allows the vortex pattern to be increased or decreased until final shut-off.
- Four base options available, 0.18" Barb, 10-32 UNF Male Thread, 1/2" FPT Thread and 6" Spike.
- Vortex action distributes water evenly over the irrigated surface.

### APPLICATIONS

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



PERFORMANCE DATA					
SPRAYS		PRESSURE	FLOW	DIAMETER OF THROW	
		(psi)	(gph)	(ft)	
		Adjustable to Maximum (approx) 14 Clicks	15	0 - 14	0 - 5.8
		20	0 - 16	0 - 7.8	
		25	0 - 20	0 - 11.5	
Tested 8" above Ground Level					
Recommended operating pressure 15 psi					







Maxima 360°  
0.18" Barb



Maxima™ 360°  
1/2" FPT Thread



Maxima 360°  
10-32 UNF Thread

Maxima™ 360°					
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 (lbs)	Packs	27.1	30.6	16.8	19.8
	Bulk	35.5	40.6	16.3	20.3
Base Inlet Connection		0.18" Barb	10-32 UNF Thread	0.18" Barb	1/2" FPT
Dimensions Assembled (inches)	Height	1.1	1.1	6.2	1.2
	Width	0.78	0.78	1.65	1.1
	Depth	0.63	0.63	0.63	1.1
	Weight (oz)	0.08	0.09	0.23	0.17
Material		U.V. Stabilized			



Maxima™ 360° Spike



## Pressure Compensating Vortex Spike

### FEATURES and BENEFITS

- Pressure Compensating End-Line Vortex spray spikes with pre-defined flow rates and 0.18" Inlet Barb. Ideal where uniform flow rates and constant diameter of throw are required.
- Five pre-defined flow rates are available.  
Color coded for easy identification: 8 gph (Orange), 10 gph (Blue), 12 gph (Violet), 13 gph (Green), 15 gph (Red)

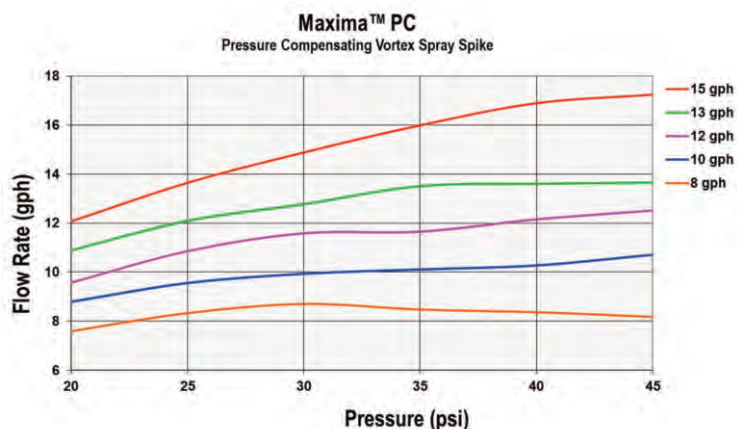
### APPLICATIONS

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



PERFORMANCE DATA				MAXIMA™ 360° SPIKE PC
SPRAYS	COLOR AND PRE-DEFINED FLOW RATE	PRESSURE (psi)	FLOW (gph)	DIAMETER OF THROW (ft)
	ORANGE 8 gph	20	7.6	2.5
		25	8.3	2.6
		30	8.7	2.6
		35	8.5	2.6
		40	8.4	2.6
	BLUE 10 gph	20	8.8	3.3
		25	9.6	3.4
		30	9.9	3.5
		35	10.1	3.7
40		10.3	3.7	
VIOLET 12 gph	20	9.6	4.3	
	25	10.9	4.5	
	30	11.6	4.8	
	35	11.7	5.1	
	40	12.2	5.1	
GREEN 13 gph	20	10.9	5.2	
	25	12.1	5.6	
	30	12.8	5.8	
	35	13.5	6.0	
	40	13.6	6.2	
RED 15 gph	20	13.6	6.4	
	25	12.1	8.9	
	30	13.6	9.1	
	35	14.9	9.4	
	40	16.0	9.5	
	45	16.9	9.7	
	45	17.2	9.8	

Recommended Operating Pressure 20 psi to 45 psi - Tested 8 inches above Ground Level



### FILTRATION REQUIREMENTS

- Orange and Blue Spikes: 130 microns (120 mesh)
- Violet, Green and Red Spikes: 200 microns (80 mesh)

Maxima™ 360° Spike PC						
Connection Type		END-LINE				
PACKAGING						
	Color and Flow Rate	8 gph	10 gph	12 gph	13 gph	15 gph
Order Codes	Packs	204594	204604	204614	204624	204634
	Bulk	020459	020460	020461	020462	020463
Quantity per Bag	Packs	25				
	Bulk	1000				
Bags per Carton	Packs	40				
	Bulk	1				
Weight per Carton (lbs)	Packs	18.3				
	Bulk	18.1				
Base Inlet Connection		0.18" Barb				
Dimensions Assembled (inches)	Height	6.1				
	Width	1.1				
	Depth	0.67				
	Weight (oz)	0.25				
Material		U.V. Stabilized				



Maxima™ 360° Spike PC  
10 gph End-Line



Maxima™ 360° Spike PC  
13 gph End-Line

# Idra™ Sprays

# SPRAYS

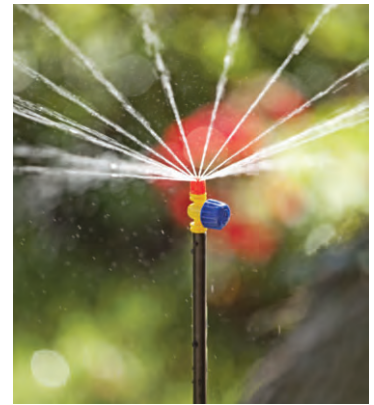
## Adjustable Spray Jets

### FEATURES and BENEFITS

- Rotation of the valve rotor allows simultaneous adjustment of flow rate and radius of throw.
- Available in 5 spray patterns: 90° Fan Spray, 180° Fan Spray, 360° x 18 Hole Stream Spray Mini Vortex and Micro Mist
- Two ranges available: **Colored** residential range for easy spray pattern identification.  
**Black** professional range.

### APPLICATIONS

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



		PERFORMANCE DATA							
		BASE OUTLET SIZE	PRESSURE (psi)	FLOW (gph)	SPRAY PATTERN				
					Radius of Throw (ft)		Diameter of Throw (ft)		
				90°	180°	360° x 18 Hole	Mini Vortex	Micro Mist	
SPRAYS	Adjustable to Maximum 0.06"	10	0 - 16.7	0 - 5.7	0 - 5.5	0 - 17.3			
		15	0 - 20.3	0 - 7.4	0 - 7.2	0 - 18.9			
		20	0 - 23.4	0 - 8.3	0 - 8.2	0 - 20.4			
		25	0 - 26.1	0 - 9.2	0 - 9.0	0 - 21.8			
		30	0 - 28.6	0 - 9.9	0 - 9.5	0 - 23.1			
		10	0 - 8.5				0 - 2.0		
		15	0 - 11.0				0 - 2.5		
		20	0 - 12.8				0 - 3.0		
		25	0 - 14.4				0 - 3.5		
		30	0 - 15.9				0 - 3.8		
		10	0 - 2.7					0 - 1.5	
		15	0 - 3.2					0 - 1.5	
		20	0 - 3.6					0 - 1.5	
		25	0 - 4.0					0 - 1.5	
		30	0 - 4.4					0 - 1.5	

Recommended operating pressure 20 psi - Tested 20" above Ground Level



Idra™ Mini Vortex

Idra™ Micro Mist



Idra™ 90°

Idra™ 180°

Idra™ 360°

Idra™ Sprays									
RANGE		COLORED RESIDENTIAL RANGE					BLACK PROFESSIONAL RANGE		
Spray Pattern									
Cap Color		Black	Blue	Red	Green	Black	Black	Black	Black
Rotor Color		Blue	Blue	Blue	Black	Blue	Black	Black	Black
Base Color		Yellow	Yellow	Yellow	Black	Yellow	Black	Black	Black
Order Codes	Packs	200085	200105	200125	201475	201485	200075	200095	200115
	Bulk	020008	020010	020012	020147	020148	020007	020009	020011
Quantity per Bag	Packs	50	50	50	50	50	50	50	50
	Bulk	1000	1000	1000	1000	1000	1000	1000	1000
Bags per Carton	Packs	100	100	100	100	100	100	100	100
	Bulk	5	5	5	5	5	5	5	5
Weight per Carton (lbs)	Packs	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
	Bulk	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5
Base Inlet Connection		10-32 UNF Thread							
Dimensions Assembled (inches)	Height	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Width	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	Depth	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	Weight (oz)	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Material		U.V. Stabilized							



**Adjustable Spray Spikes**

**FEATURES and BENEFITS**

- Pre-assembled Jet Spikes. Rotation of the Rotor allows simultaneous adjustment of flow rate and radius of throw.
- Available in three spray patterns: 90° Fan Spray, 180° Fan Spray and 360° x 18 Hole Stream Spray
- Spike lengths available: 8" and 12" for the Aquila Jet Spike and 12" for the Idra Jet Spike
- Rigid Riser lengths: 8" for Aquila™ Jet Spike and 12" for the 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: 20" with 0.18" adaptor for 1/4" tube.

**APPLICATIONS**

- General watering of landscaped areas.



Rigid Riser may be raised or lowered inside the stake to suit plant heights

PERFORMANCE DATA						
5.5SPRAYS	BASE	PRESSURE (psi)	FLOW (gph)	SPRAY PATTERN		
				Diameter of Throw (ft)		Radius of Throw (ft)
				360° x 18 Hole		180°
						90°
		10	0 - 18.0	0 - 17.7	0 - 6.8	0 - 6.3
		15	0 - 22.1	0 - 19.0	0 - 7.7	0 - 7.6
	Adjustable to Maximum 0.06"	20	0 - 25.5	0 - 21.9	0 - 8.6	0 - 8.6
		25	0 - 28.5	0 - 23.7	0 - 9.3	0 - 9.5
		30	0 - 31.2	0 - 25.4	0 - 10.0	0 - 10.4

Recommended operating pressure 20 psi

Spike Options	Aquila™ Jet Spike						Idra™ Spike			
	8" SPIKE			12" SPIKE			12" SPIKE			
Spray Pattern										
Cap Color	Black						Black	Blue	Red	
Base Color	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 (lbs)	Packs	20.9	20.9	20.9	18.1	18.1	18.1	18.3	18.3	18.3
	Bulk	20.3	20.3	20.3	17.6	17.6	17.6	17.6	17.6	17.6
Inlet Connection	0.18" Barb									
Dimensions Assembled (inches)	Height	16			20			Max extension - 23.4		
	Width	1			1			1		
	Depth	0.7			0.7			0.7		
	Weight (oz)	1.5			1.6			1.7		
Material	U.V. Stabilized									



Aquila™ Jet Spike

## Caps and Bases

### FEATURES and BENEFITS

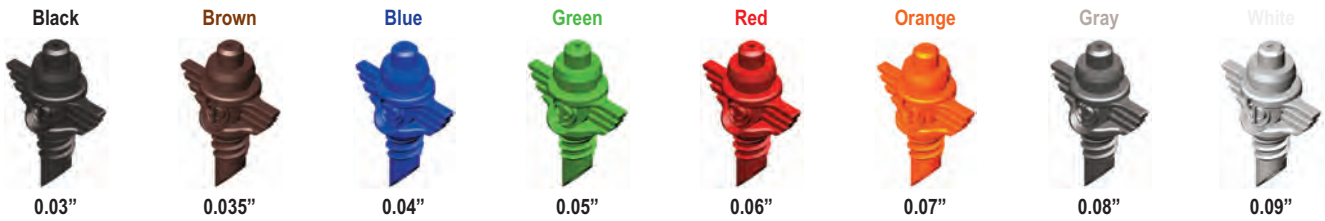
- Caps available in three spray patterns
- 90° Fan Spray - Cap color - **Black**
- 180° Fan Spray - Cap color - **Black or Blue**
- 180° Fan Spray (Flat Trajectory) - Cap color - **Red**
- 360° x 18 Hole Stream Spray - Cap color - **Black or Red.**
- Eight color coded bases with **"FAST"** thread for quick and easy installation.
- A large range of flow rates may be achieved at different operating pressures.
- Base color identifies flow rate.
- Caps and bases may be ordered separately.

### APPLICATIONS

- Ideal for landscaped gardens and garden beds.



### Winged Jet Bases with "FAST" Thread



		Micro Spray Caps and Bases													
		CAPS						WINGED JET BASES							
		Black		Blue	Red		Black	Brown	Blue	Green	Red	Orange	Gray	White	
PACKAGING															
		90°	180°	360°	180°	360°	180° F/T								
Order Codes	Packs	100176	100186	100196	100236	100246	104446	100516	100606	100616	100626	100636	100646	100656	100666
	Bulk	010017	010018	010019	010023	010024	010444	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 (lbs)	Packs	35.3						48.7							
	Bulk	30.6						43.0							
Base Inlet Connection								"FAST" Thread							
Dimensions (inches)	Height	0.37	0.37	0.33	0.37	0.33	0.37	0.87							
	Width	0.31						0.63							
	Depth	0.31						0.31							
	Weight (oz)	0.01						0.02							
Material		U.V. Stabilized													



## Micro Sprays

### FEATURES and BENEFITS

- 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.
- Four spray patterns available for the Aquila™ Jet Winged Bases.
- 90° Fan Spray - Cap color - **Black**
- 180° Fan Spray - Cap color - **Black or Blue**
- 180° Flat Trajectory Fan Spray - Cap color - **Red**
- 360° x 18 Hole Stream Spray - Cap color - **Black or Red**.
- Eight color coded bases with "FAST" thread for quick and easy installation. Base color identifies flow rate.
- Aquila™ Jet Mini Vortex - the vortex action generated inside the cap distributes the water evenly over the wetted surface.
- Aquila™ Jet Micro Mist - ideal for cooling operations.

### APPLICATIONS

- Landscaped areas and garden beds. Ideal where fixed flow rates are required at specified operating pressures.



### Aquila™ Jet Spray Assemblies

PACKAGING		ASSEMBLED		AQUILA™ JET WINGED BASES WITH "FAST" THREAD							CAP COLORS AND SPRAY PATTERNS	
		Mini Vortex	Micro Mist	Black	Brown	Blue	Green	Red	Orange	Gray		White
Order Codes	Packs			200406	200436	200466	200496	200526	200556	200586	200616	
	Bulk			020040	020043	020046	020049	020052	020055	020058	020061	90°
	Packs			200416	200446	200476	200506	200536	200566	200596	200626	
	Bulk			020041	020044	020047	020050	020053	020056	020059	020062	180°
	Packs			200426	200456	200486	200516	200546	200576	200606	200636	
	Bulk			020042	020045	020048	020051	020054	020057	020060	020063	360° x 18 Hole
	Packs			200646	200666	200686	200706	200726	200746	200766	200786	
	Bulk			020064	020066	020068	020070	020072	020074	020076	020078	180°
	Packs			200656	200676	200696	200716	200736	200756	200776	200796	
	Bulk			020065	020067	020069	020071	020073	020075	020077	020079	360° x 18 Hole
	Packs			204096	204106	204116	204126	204136	204146	204156	204166	
	Bulk			020409	020410	020411	020412	020413	020414	020415	020416	180° Flat Trajectory
	Packs	201466	205026									
	Bulk	020146	020502									
Quantity per Bag	Packs											100
	Bulk											1000
Bags per Carton	Packs											210
	Bulk											22
Weight per Carton (lbs)	Packs											37.9
	Bulk											37.7
Base Inlet Connection	"FAST" Thread											
Dimensions Assembled (inches)	Height											1
	Width											0.64
	Depth											0.3
	Weight (oz)											0.07
Material	U.V. Stabilized											

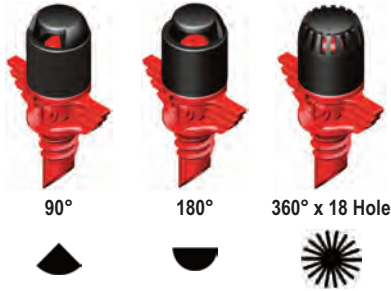
THE HEIGHT OF THE AQUILA™ JET SPRAYS MAY VARY SLIGHTLY DEPENDING ON BASE AND CAP SELECTED

# Aquila™ Jets

# SPRAYS

## Micro Sprays

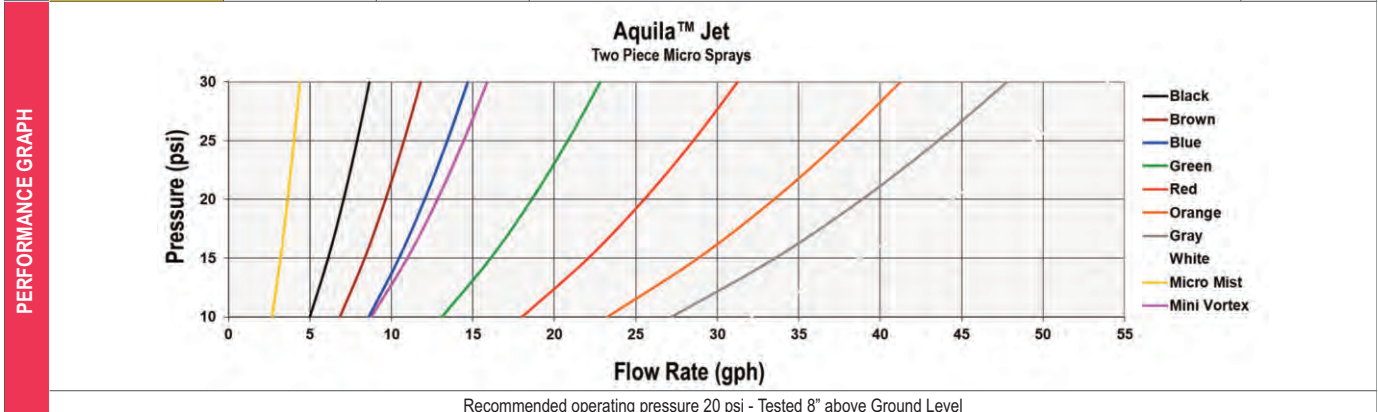
Optimum performance is achieved at low operating pressures as indicated in the table below by the blue shaded rows.



### FILTRATION REQUIREMENTS

- **Black, Brown, Blue and Mist** Bases: 130 microns (120 mesh)
- **Green, Red, Orange, Gray, White and Vortex** Bases: 200 microns (80 mesh)

PERFORMANCE DATA			Aquila™ Jet Sprays					
			SPRAY PATTERNS					
			90°	180°	180° Flat Trajectory	360° x 18 Hole	Mini Vortex	Micro Mist
BASE COLOR AND JET OUTLET SIZE	PRESSURE (psi)	FLOW RATE (gph)	RADIUS OF THROW (ft)			DIAMETER OF THROW (ft)		
<b>BLACK</b> 0.03"	10	5.0	4.3	4.5	2.6	9.8		
	15	6.1	5.4	4.9	3.3	11.7		
	20	7.1	6.3	5.3	3.6	13.4		
	25	7.9	7.0	5.7	3.8	14.8		
	30	8.6	7.7	6.0	3.9	16.2		
<b>BROWN</b> 0.035"	10	6.8	5.0	4.9	3.0	11.2		
	15	8.3	6.1	5.4	3.6	13.2		
	20	9.6	7.1	5.8	3.9	15.0		
	25	10.8	7.9	6.2	4.1	16.6		
	30	11.8	8.7	6.6	4.3	18.0		
<b>BLUE</b> 0.04"	10	8.6	5.4	5.3	3.3	13.3		
	15	10.5	6.6	5.9	3.8	15.2		
	20	12.0	7.6	6.4	4.2	16.9		
	25	13.4	8.5	6.9	4.4	18.4		
	30	14.7	9.3	7.3	4.6	19.8		
<b>GREEN</b> 0.05"	10	13.1	6.0	6.0	3.4	17.2		
	15	16.1	7.2	6.7	3.9	19.0		
	20	18.6	8.2	7.4	4.3	20.6		
	25	20.8	9.1	8.0	4.6	22.2		
	30	22.8	9.9	8.5	4.8	23.6		
<b>RED</b> 0.06"	10	18.0	6.3	6.8	3.6	17.9		
	15	22.1	7.6	7.7	4.3	19.7		
	20	25.5	8.6	8.6	4.6	21.4		
	25	28.5	9.5	9.3	4.8	23.0		
	30	31.2	10.4	10.0	4.9	24.5		
<b>ORANGE</b> 0.07"	10	23.3	6.7	7.4	3.8	18.2		
	15	28.8	7.9	8.4	4.4	20.0		
	20	33.5	8.9	9.3	4.8	21.8		
	25	37.6	9.8	10.2	5.1	23.3		
	30	41.3	10.7	10.9	5.2	24.8		
<b>GRAY</b> 0.08"	10	27.2	7.0	7.7	4.3	18.5		
	15	33.5	8.2	8.8	5.1	20.4		
	20	38.9	9.3	9.7	5.6	22.1		
	25	43.5	10.3	10.6	6.0	23.7		
	30	47.8	11.1	11.4	6.4	25.2		
<b>WHITE</b> 0.09"	10	32.1	7.3	8.1	4.4	18.8		
	15	38.7	8.5	9.4	5.6	20.7		
	20	44.4	9.6	10.1	6.4	22.4		
	25	49.4	10.6	11.0	7.0	24.0		
	30	54.0	11.5	11.8	7.5	25.5		
<b>MINI VORTEX</b>	10	8.8					3.3	
	15	11.0					6.6	
	20	12.8					8.2	
	25	14.4					9.2	
	30	15.9					10.0	
<b>MICRO MIST</b>	10	2.7						1.5
	15	3.2						1.5
	20	3.6						1.5
	25	4.0						1.5
	30	4.4						1.5



## Pressure Compensating Sprays

### FEATURES and BENEFITS

- Pressure Compensating Spray Jets with excellent watering patterns and pre-defined flow rates. Ideal where uniform flow rates and constant diameter and radius of throw are required. Best performance is achieved between 20 psi and 45 psi.
- Six color coded PC bases with pre-defined flow rates. Color identifies flow rate.  
6 gph (**Black**), 8.5 gph (**Orange**), 10.5 gph (**Blue**)  
12.5 gph (**Violet**), 14.5 gph (**Green**) and 20.5 gph (**Red**)
- Four Spray Patterns available:  
90° Fan Spray, Cap color (**Black**)  
180° Fan Spray, Cap color (**Black & Blue**)  
180° Flat Trajectory Fan Spray, Cap Color (**Red**)  
360° x 18 Hole Spray, Cap color (**Black & Red**)
- 10-32 UNF Thread connection.

### APPLICATIONS













- Watering of landscaped areas and garden beds.



### FILTRATION REQUIREMENTS

- **Black, Orange and Blue** Bases: 130 microns (120 mesh)
- **Violet, Green and Red** Bases: 200 microns (80 mesh)

Aquila™ Jet PC Spray Assemblies

		COLOR CODED BASES						
Color	Black	Orange	Blue	Violet	Green	Red		
Flow Rate	6 gph	8.5 gph	10.5 gph	12.5 gph	14.5 gph	20.5 gph		
Outlet Size	0.035"	0.049"	0.051"	0.057"	0.061"	0.065"		
PACKAGING								CAP COLORS AND SPRAY PATTERNS
Order Codes	Packs	202805	202815	202825	202835	202845	202855	 90°
	Bulk	020280	020281	020282	020283	020284	020285	
	Packs	202865	202875	202885	202895	202905	202915	 180°
	Bulk	020286	020287	020288	020289	020290	020291	
	Packs			202945	202955	202965	202975	 360°x 18 Hole
	Bulk			020294	020295	020296	020297	
	Packs	202985	202995	203005	203015	203025	203035	 180°
	Bulk	020298	020299	020300	020301	020302	020303	
	Packs			203065	203075	203085	203095	 360°x 18 Hole
	Bulk			020306	020307	020308	020309	
Packs	204855	204865	204875	204885	204895	204905	 180° Flat Trajectory	
Bulk	020485	020486	020487	020488	020489	020490		
Quantity per Bag	Packs	50						THE HEIGHT OF THE AQUILA™ JET PC SPRAYS MAY VARY SLIGHTLY DEPENDING ON BASE AND CAP SELECTED
Bulk	1000							
Bags per Carton	Packs	100						
Bulk	5							
Weight per Carton (lbs)	Packs	39.9						
Bulk	38.6							
Base Inlet Connection	10-32 UNF Thread							
Dimensions Assembled (inches)	Height	1.6						
	Width	0.71						
	Depth	0.67						
	Weight (oz)	0.12						
Material	U.V. Stabilized							



180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°

180°



360° x 18 Hole





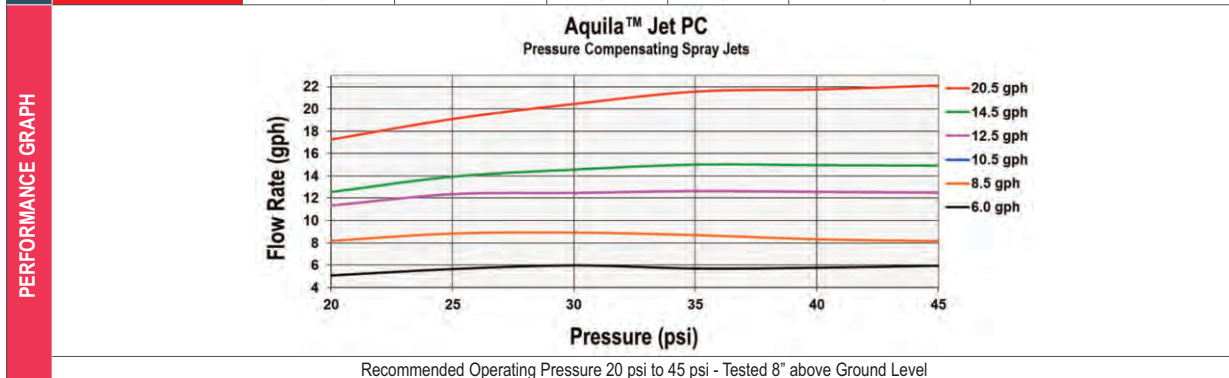
## Pressure Compensating Sprays

### FEATURES and BENEFITS

- Pressure Compensating Spray Jets with excellent watering patterns and pre-defined flow rates that distribute water evenly over the irrigated surface whilst maintaining constant diameter and radius of throw. This ensures efficient watering of the surface being irrigated.



Aquila™ Jet PC						
PERFORMANCE DATA			SPRAY PATTERNS			
BASE COLOR AND FLOW RATE	PRESSURE (psi)	FLOW RATE (gph)	RADIUS OF THROW (ft)			DIAMETER OF THROW (ft)
			90°	180°	180° Flat Trajectory	
BLACK 6 gph	20	5.1	4.9	5.4	3.1	
	25	5.7	5.0	5.4	3.2	
	30	6.0	5.1	5.4	3.3	
	35	5.7	5.1	5.5	3.3	
	40	5.8	5.2	5.5	3.3	
ORANGE 8 gph	20	8.2	5.2	5.5	3.3	
	25	8.8	5.3	5.6	3.4	
	30	8.9	5.4	5.7	3.4	
	35	8.7	5.4	5.8	3.4	
	40	8.3	5.4	5.9	3.4	
BLUE 10 gph	20	9.0	5.6	5.9	3.6	13.4
	25	9.8	5.6	6.0	3.7	
	30	10.3	5.7	6.1	3.8	
	35	10.6	5.8	6.1	3.8	
	40	10.7	5.8	6.2	3.8	
VIOLET 12.5 gph	20	11.3	5.9	6.2	3.8	14.8
	25	12.3	6.0	6.3	3.9	
	30	12.5	6.0	6.4	3.9	
	35	12.6	6.1	6.5	3.9	
	40	12.5	6.2	6.5	3.9	
GREEN 14.5 gph	20	12.5	6.6	6.5	3.9	15.4
	25	13.9	6.7	6.9	4.0	
	30	14.6	6.9	7.1	4.1	
	35	15.0	7.1	7.1	4.1	
	40	15.0	7.1	7.2	4.1	
RED 20.5 gph	20	17.3	8.0	7.2	4.1	16.1
	25	19.1	8.4	7.7	4.2	
	30	20.4	8.7	7.9	4.3	
	35	21.5	8.9	8.0	4.3	
	40	21.7	9.0	8.1	4.3	
45	22.1	9.2	8.2	4.3		



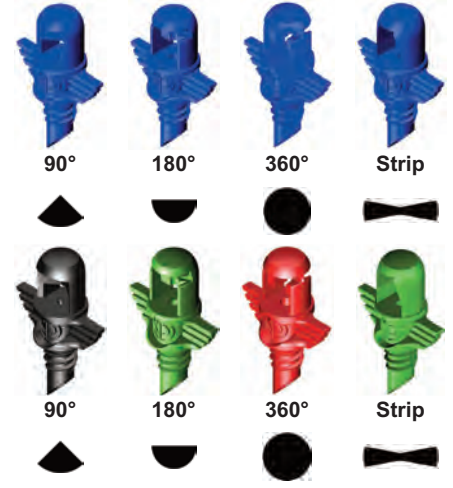
## Micro Sprays

### FEATURES and BENEFITS

- Single Piece micro sprays that distribute water evenly over the irrigated surface. Optimum performance and **“matched precipitation”** is achieved at 15 psi operating pressure. Winged bases with **“FAST”** thread are easy to install by hand eliminating the need for tools.
- Two color coded sets, **Blue** and **Multi-Colored**.  
Four spray patterns available per set.
- 90° Fan Spray
- 180° Fan Spray
- 360° Fan Spray
- Strip Spray

### APPLICATIONS

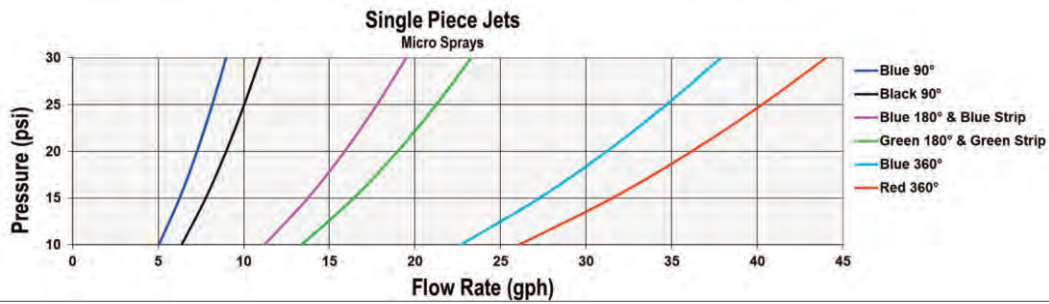
- Watering of landscaped areas and garden beds.



### PERFORMANCE DATA

SINGLE PIECE MICRO SPRAYS	Blue				Multi-Colored											
	90°		180°		360°		Strip		90°		180°		360°		Strip	
Spray Pattern	90°		180°		360°		Strip		90°		180°		360°		Strip	
Outlet Size	0.03"		0.05"		0.07"		0.05"		0.04"		0.06"		0.08"		0.06"	
Pressure (psi)	Flow (gph)	Radius of Throw (ft)	Flow (gph)	Radius of Throw (ft)	Flow (gph)	Diameter of Throw (ft)	Flow (gph)	Diameter of Throw (ft)	Flow (gph)	Radius of Throw (ft)	Flow (gph)	Radius of Throw (ft)	Flow (gph)	Diameter of Throw (ft)	Flow (gph)	Diameter of Throw (ft)
10	5.0	3.1	11.2	3.5	22.7	7.0	11.2	7.5	6.4	4.1	13.4	4.8	26.1	9.4	13.4	9.9
15	6.2	3.3	13.8	3.7	27.3	7.2	13.8	7.9	7.8	4.5	16.4	5.1	31.5	9.9	16.4	10.6
20	7.3	3.5	15.9	4.0	31.2	7.5	15.9	8.4	9.0	4.8	19.0	5.5	36.2	10.3	19.0	11.3
25	8.2	3.7	17.8	4.3	34.7	7.7	17.8	8.8	10.0	5.1	21.3	5.8	40.3	10.8	21.3	11.9
30	8.9	3.9	19.5	4.5	37.9	7.9	19.5	8.9	11.0	5.4	23.3	6.1	44.0	11.2	23.3	12.5

### PERFORMANCE GRAPH



Recommended operating pressure 15 psi - Tested 8" above Ground Level

### Single Piece Micro Sprays

PACKAGING		Blue				Multi-Colored			
	Spray Pattern	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 (lbs)	Packs	38.6							
	Bulk	36.2							
Base Inlet Connection		“FAST” Thread							
Dimensions (inches)	Height	1							
	Width	0.64							
	Depth	0.3							
	Weight (oz)	0.02							
Material		U.V. Stabilized							

# Down Sprays & Stream Jets

## SPRAYS

### Standard & Pressure Compensating Sprays

#### FEATURES and BENEFITS

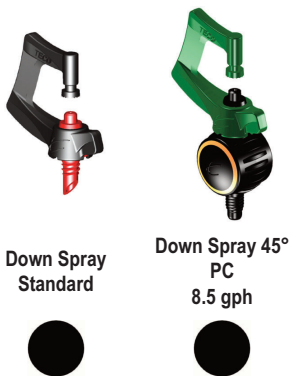
- The strong “C” frame design allows for excellent water distribution uniformity.
- Two base types are available: **Standard Base** and **Pressure Compensating Base**.
- Five color coded Standard Bases.
- Six color coded Pressure Compensating Bases.
- Base color identifies the flow rate.
- Standard Bases and Pressure Compensating Bases may be combined with any Down Spray or Stream Jet.
- Assemblies made to order.

#### APPLICATIONS

- Ideal garden beds, landscapes, vegetable gardens and agricultural applications.

#### FILTRATION REQUIREMENTS

- **Black, Orange and Blue** Bases: 130 microns (120 mesh)
- **Violet, Green and Red** Bases: 200 microns (80 mesh)



Down Spray Standard

Down Spray 45° PC  
8.5 gph



12 Stream Flat Jet PC

8 Stream Jet PC Inverted

Down Sprays & Stream Jets														
		STANDARD BASES					PRESSURE COMPENSATING BASES							
Base Color		Black	Brown	Blue	Green	Red	Black	Orange	Blue	Violet	Green	Red		
Base Outlet Size		0.03"	0.035"	0.04"	0.05"	0.06"	0.035"	0.049"	0.051"	0.057"	0.061"	0.065"		
Flow Rate							6 gph	8.5 gph	10.5 gph	12.5 gph	14.5 gph	20.5 gph		
PACKAGING													SPRAY & JET PATTERNS	
Order Codes	Packs	204915	204925	204935	204945	204955	205844	205854	205864	205874	205884	205894		
	Bulk	020491	020492	020493	020494	020495	020584	020585	020586	020587	020588	020589	Down Spray 22°	
	Packs	205715	205725	205735	205745	205755	205764	205774	205784	205794	205804	205814		
	Bulk	020571	020572	020573	020574	020575	020576	020577	020578	020579	020580	020581	12 Stream Flat Jet	
	Packs	205155	205165	205175	205185	205195	205204	205214	205224	205234	205244	205254		
	Bulk	020515	020516	020517	020518	020519	020520	020521	020522	020523	020524	020525	8 Stream Jet	
Quantity per Bag	Packs	50					25							
	Bulk	500					500							
Bags per Carton	Packs	120					100							
	Bulk	12					5							
Weight per Carton (lbs)	Packs	30.4					29.3							
	Bulk	28.9					28.2							
Base Inlet Connection		"FAST" Thread					10-32 UNF Thread							
Dimensions Assembled (inches)	Height	1.6					2.2							
	Width	1.3					1.3							
	Depth	0.5					0.65							
	Weight (oz)	0.07					0.17							
Material		U.V. Stabilized												



## Down Sprays & Stream Jets

Standard & Pressure Compensating Sprays



Down Spray Standard



Down Spray PC



12 Stream Flat Jet PC



12 Stream Flat Jet Std



Down Sprays & Stream Jets								
PERFORMANCE DATA				SPRAY PATTERNS				
	PATTERN		Down Spray	Down Spray	12 Stream Flat Jet	8 Stream Jet	Inverted 8 Stream Jet	
	TRAJECTORY		18°	45°	0°	22°	22°	
	HEIGHT TESTED		Tested 20" above Ground Level				Tested 32" above Ground Level	
STANDARD BASES COLOR AND OUTLET SIZE	PRESSURE	FLOW RATE	DIAMETER OF THROW					
	(psi)	(gph)	(ft)					
STANDARD BASES	BLACK	10	5.0	6.0	0.3	9.8	4.0	2.4
		15	6.1	6.2	1.0	11.2	4.2	2.7
	0.03"	20	7.1	6.4	3.3	12.5	4.4	2.9
		25	7.9	6.4	3.3	13.6	4.6	3.1
		30	8.6	6.5	3.3	14.4	4.6	3.2
	BROWN	10	6.8	6.2	1.0	11.0	4.4	3.0
		15	8.3	6.4	3.3	12.5	4.6	3.4
		20	9.6	6.6	3.3	13.8	4.7	3.7
	0.035"	25	10.8	6.7	3.3	14.7	4.8	3.8
		30	11.8	6.9	3.3	15.5	4.9	3.9
		BLUE	10	8.6	6.5	3.3	13.1	4.6
	15		10.5	6.9	3.3	15.1	4.8	3.6
	20		12.0	7.2	3.3	16.6	4.9	3.9
	0.04"	25	13.4	7.3	3.3	17.7	5.0	4.1
		30	14.7	7.5	3.3	18.5	5.1	4.2
		GREEN	10	13.1	6.9	3.3	14.4	6.8
	15		16.1	7.2	3.3	17.1	7.0	4.0
	20		18.6	7.5	3.3	19.0	7.3	4.4
0.05"	25	20.8	7.7	3.3	20.3	7.4	4.6	
	30	22.8	7.9	3.3	21.3	7.5	4.7	
	RED	10	18.0	8.5	3.3	15.1	7.4	3.8
15		22.1	8.9	3.3	17.7	7.9	4.4	
20		25.5	9.1	3.3	19.7	8.3	4.8	
0.06"	25	28.5	9.2	3.3	21.0	8.6	5.0	
	30	31.2	9.3	3.3	22.0	8.8	5.1	
	Recommended operating pressure 20 psi							
PRESSURE COMPENSATING BASES COLOR AND FLOW RATE	PRESSURE	FLOW RATE	Down Spray	Down Spray	12 Stream Flat Jet	8 Stream Jet	Inverted 8 Stream Jet	
	(psi)	(gph)	18°	45°	0°	22°	22°	
PRESSURE COMPENSATING BASES	BLACK	20	5.1	5.9		9.2	5.9	9.2
		25	5.7	5.9		9.3	5.9	9.3
		30	6.0	5.9		9.4	5.9	9.4
		35	5.7	5.9		9.5	5.9	9.5
		40	5.8	5.9		9.5	5.9	9.5
	6 gph	45	5.9	5.9		9.5	5.9	9.5
		20	8.2	6.2	3.3	10.5	6.2	10.5
		25	8.8	6.2	3.3	10.6	6.2	10.6
		30	8.9	6.2	3.3	10.7	6.2	10.7
		35	8.7	6.2	3.3	10.6	6.2	10.6
	8.5 gph	40	8.3	6.2	3.3	10.5	6.2	10.5
		45	8.2	6.2	3.3	10.5	6.2	10.5
		20	9.0	6.6	3.3	11.2	6.6	11.2
	BLUE	25	9.8	6.6	3.3	11.2	6.6	11.2
		30	10.3	6.6	3.3	11.2	6.6	11.2
		35	10.6	6.6	3.3	11.2	6.6	11.2
		40	10.7	6.6	3.3	11.2	6.6	11.2
	10 gph	45	11.2	6.6	3.3	11.2	6.6	11.2
20		11.3	6.9	3.3	11.8	6.9	11.8	
25		12.3	6.9	3.3	11.8	6.9	11.8	
30		12.5	6.9	3.3	11.8	6.9	11.8	
VIOLET	35	12.6	6.9	3.3	11.8	6.9	11.8	
	40	12.5	6.9	3.3	11.8	6.9	11.8	
	45	12.5	6.9	3.3	11.8	6.9	11.8	
	20	12.5	7.2	3.3	12.6	7.2	12.6	
GREEN	25	13.9	7.2	3.3	12.7	7.2	12.7	
	30	14.6	7.2	3.3	12.9	7.2	12.9	
	35	15.0	7.2	3.3	13.0	7.2	13.0	
	40	15.0	7.2	3.3	13.1	7.2	13.1	
	45	14.9	7.2	3.3	13.1	7.2	13.1	
RED	20	17.3	7.9	3.3	13.1	7.9	13.1	
	25	19.1	8.0	3.3	13.5	8.0	13.5	
	30	20.4	8.1	3.3	13.8	8.1	13.8	
	35	21.5	8.3	3.3	14.2	8.3	14.2	
	40	21.7	8.4	3.3	14.6	8.4	14.6	
45	21.8	8.5	3.3	15.1	8.5	15.1		
Recommended operating pressure 20 psi to 45 psi								



8 Stream Jet Standard



8 Stream Jet PC



Down Spray 45° PC



## Micro Sprinklers

### FEATURES and BENEFITS

- The Strong “C” frame design allows for excellent water distribution uniformity.
- 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.
- Four Orbita micro sprinkler models available: Standard, Inverted, Adjustable and Spike.
- Six color coded bases to choose from for the Standard model.
- Four color coded bases for the Inverted model.
- Base color identifies the flow rate.
- Two Adjustable models available:
  1. **Black Base with a Black Rotor**
  2. **Yellow Base with a Blue Rotor.**
- The Spike is a pre-assembled model for quick and easy installation with a **Red Base**, an adjustable rotor for flow and throw control, 20” flexible tube and 0.18” Joiner. There are two spike lengths to choose from, 8” or 12”.

### APPLICATIONS

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



Orbita Micro Sprinkler															
		STANDARD						INVERTED				ADJUSTABLE		SPIKE	
Base Color		Brown	Blue	Green	Red	Orange	Grey	Brown	Blue	Green	Red	Black	Yellow	Red	Red
Base Outlet Size		0.035"	0.04"	0.05"	0.06"	0.07"	0.08"	0.035"	0.04"	0.05"	0.06"	0.06"	0.06"	0.06"	0.06"
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 (lbs)	Packs	34.2						34.4				12.1		9.9	8.6
	Bulk	33.1						33.3				11.5		9.6	8.4
Base Inlet Connection		"FAST" Thread						"FAST" Thread				10-32 UNF Thread		0.18" Barb	
Dimensions Assembled (inches)	Height	1.6						1.6				2.1		16"	21"
	Width	1.3						1.3				1.3		1.3	1.3
	Depth	0.5						0.5				0.9		0.9	0.9
	Weight (oz)	0.08						0.08				0.14		1.5	1.7
Material		U.V. Stabilized													

# SPRINKLERS

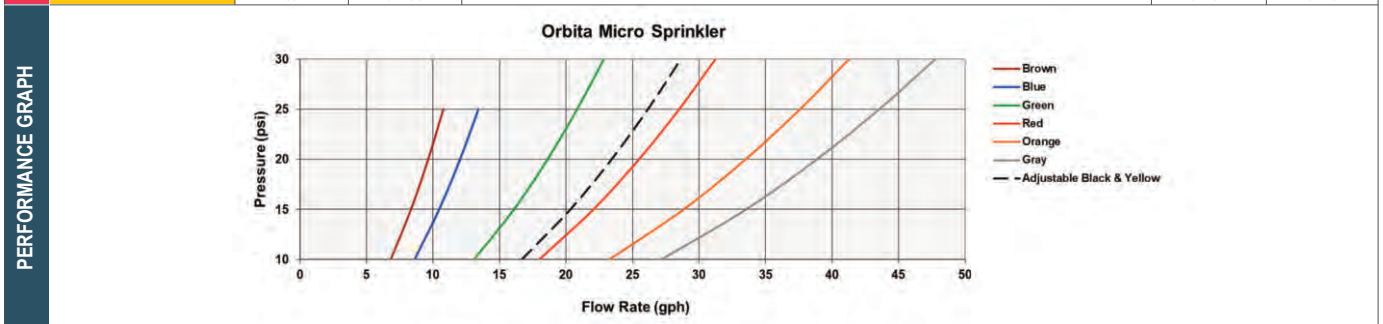
# Orbita Micro Sprinklers

## Micro Sprinklers



### Orbita Micro Sprinklers

PERFORMANCE DATA				STANDARD		INVERTED		SPIKE		VARIABLE	
								8"	12"		
				Tested 8" above Ground Level		Tested 2.5 ft above Ground Level	Tested 6.5 ft above Ground Level	Tested 12" above Ground Level	Tested 16" above Ground Level	Tested 8" above Ground Level	
BASE COLOR AND BASE OUTLET SIZE	PRESSURE (psi)	FLOW RATE (gph)	DIAMETER OF THROW (ft)	STREAM HEIGHT (ft)	DIAMETER OF THROW (ft)		DIAMETER OF THROW (ft)		DIAMETER OF THROW (ft)	STREAM HEIGHT (ft)	
	FIXED FLOW	BROWN 0.035"	10	6.8	16.8	0.6	13.0	17.3			
15			8.3	17.4	0.7	13.3	17.9				
20			9.6	18.0	1.0	13.6	18.6				
25			10.8	18.6	1.3	13.9	19.2				
BLUE 0.04"		10	8.6	17.2	0.6	13.0	17.5				
		15	10.5	17.8	0.7	13.5	18.3				
		20	12.0	18.4	1.0	14.0	19.0				
		25	13.4	18.9	1.3	14.4	19.8				
GREEN 0.05"		10	13.1	18.3	1.0	13.1	17.8				
		15	16.1	19.8	1.3	13.9	18.8				
		20	18.6	21.3	1.6	14.6	19.7				
		30	22.8	23.9	1.6	15.9	21.5				
RED 0.06"		10	18.0	19.1	1.0	13.6	18.1	19.4	19.7		
		15	22.1	21.2	1.3	14.5	19.5	21.5	21.9		
		20	25.5	23.1	1.6	15.3	20.8	23.5	23.8		
		25	28.5	24.9	1.6	16.1	22.0	25.2	25.6		
ORANGE 0.07"		10	23.3	20.4	1.0						
		15	28.8	22.5	1.3						
		20	33.5	24.4	1.6						
		25	37.6	26.2	1.6						
GRAY 0.08"		10	27.2	20.6	1.4						
		15	33.5	22.9	1.6						
		20	38.9	24.9	1.6						
		25	43.5	26.8	1.6						
BLACK Adjustable to max 0.06"	10	0 - 16.7							0 - 18.7	0 - 1.0	
	15	0 - 20.3							0 - 20.9	0 - 1.3	
	20	0 - 23.4							0 - 22.8	0 - 1.5	
	25	0 - 26.1							0 - 24.6	0 - 1.5	
YELLOW Adjustable to max 0.06"	10	0 - 16.7							0 - 18.7	0 - 1.0	
	15	0 - 20.3							0 - 20.9	0 - 1.3	
	20	0 - 23.4							0 - 22.8	0 - 1.5	
	25	0 - 26.1							0 - 24.6	0 - 1.5	
30	0 - 28.6							0 - 26.2	0 - 1.5		



Recommended operating pressure is indicated by the rows highlighted in blue



# Orbita PC Micro Sprinklers

# SPRINKLERS

## Pressure Compensating Sprinklers






### FEATURES and BENEFITS

- Pressure Compensating Micro Sprinklers with pre-defined flow rates
- Ideal where uniform flow rates and constant diameter of throw are required.
- Color coded bases
  - 8.5 gph (Orange), 10.5 gph (Blue), 12.5 gph (Violet),
  - 14.5 gph (Green) and 20.5 gph (Red).

### APPLICATIONS

- Suitable for large areas that include garden beds, landscapes, vegetable gardens and agriculture applications.



Orbita PC Micro Sprinkler Assemblies						
		Colors, Flow Rates & Orifice Sizes				
Base Color		Orange	Blue	Violet	Green	Red
Flow Rate		8.5 gph	10.5 gph	12.5 gph	14.5 gph	20.5 gph
Base Outlet Size		0.049"	0.051"	0.057"	0.061"	0.065"
PACKAGING						
Order Codes	Packs	203124	203134	203144	203154	203164
	Bulk	020312	020313	020314	020315	020316
Quantity per Bag	Packs	25				
	Bulk	500				
Bags per Carton	Packs	100				
	Bulk	5				
Weight per Carton (lbs)	Packs	31.3				
	Bulk	30.2				
Base Inlet Connection		10-32 UNF Thread				
Dimension Assembled (inches)	Height	2.2				
	Width	1.3				
	Depth	0.67				
	Weight (oz)	0.18				
Material		U.V. Stabilized				




Orbita PC  
30 lph



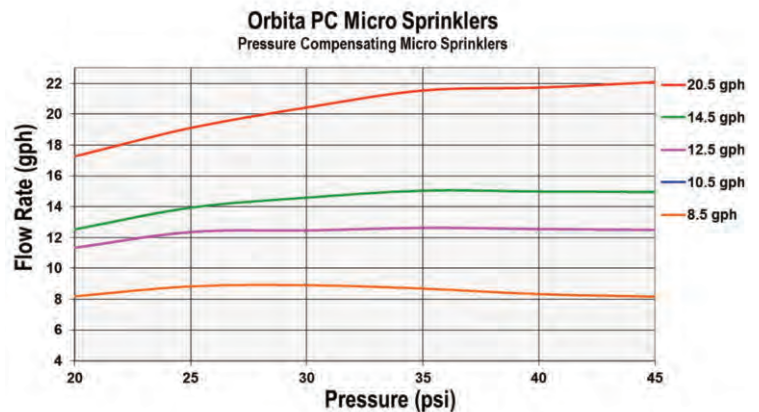
Orbita PC  
55 lph

### FILTRATION REQUIREMENTS

- Orange and Blue Bases: 130 microns (120 mesh)
- Violet, Green and Red Bases: 200 microns (80 mesh)

Orbita PC Micro Sprinklers					
PERFORMANCE DATA					
BASE COLOR AND FLOW RATE	PRESSURE	FLOW RATE	DIAMETER OF THROW (ft)	STREAM HEIGHT (ft)	
	(psi)	(gph)			
ORANGE 8.5 gph	20	8.2	10.5	1	
	25	8.8	10.8	1	
	30	8.9	11.2	1	
	35	8.7	11.2	1	
	40	8.3	11.1	1	
BLUE 10.5 gph	20	9.0	11.8	1	
	25	9.8	12.1	1	
	30	10.3	12.5	1	
	35	10.6	12.5	1	
	40	10.7	12.5	1	
VIOLET 12.5 gph	20	11.3	12.5	1.3	
	25	12.3	12.8	1.3	
	30	12.5	13.1	1.3	
	35	12.6	13.1	1.3	
	40	12.5	13.1	1.3	
GREEN 14.5 gph	20	12.5	13.8	1.3	
	25	13.9	14.1	1.3	
	30	14.6	14.3	1.3	
	35	15.0	14.3	1.3	
	40	15.0	14.4	1.3	
RED 20.5 gph	20	17.3	17.7	1.3	
	25	19.1	18.4	1.3	
	30	20.4	19.0	1.3	
	35	21.5	19.4	1.3	
	40	21.7	19.7	1.3	
	45	22.1	19.7	1.3	

Recommended Operating Pressure 20 psi to 45 psi - Tested 8" above Ground Level



## Micro Sprinklers

### FEATURES and BENEFITS

- Two Orbita micro sprinkler models available: **Standard** and **Inverted**
- Eight color coded barbed bases to choose from for both models.
- Base color identifies the flow rate.
- Strong “C” frame design allows for excellent water distribution uniformity.
- 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.

### APPLICATIONS

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



Orbita Micro Sprinkler with 0.18" Barbed Base																	
		STANDARD								INVERTED							
Base Color		Black	Brown	Blue	Green	Red	Orange	Gray	White	Black	Brown	Blue	Green	Red	Orange	Gray	White
Base Outlet Size		0.03"	0.035"	0.04"	0.05"	0.06"	0.07"	0.08"	0.09"	0.03"	0.035"	0.04"	0.05"	0.06"	0.07"	0.08"	0.09"
PACKAGING																	
Order Codes	Packs	208395	208405	208415	208425	208435	208445	208455	208465	208475	208485	208495	208505	208515	208525	208535	208545
	Bulk	020839	020840	020841	020842	020843	020844	020845	020846	020847	020848	020849	020850	020851	020852	020853	020854
Quantity per Bag	Packs	50								50							
	Bulk	500								500							
Bags per Carton	Packs	120								120							
	Bulk	12								12							
Weight per Carton (lbs)	Packs	34.8								35.1							
	Bulk	33.7								34.0							
Base Inlet Connection		0.18" Barb								0.18" Barb							
Dimensions Assembled (inches)	Height	1.63								1.63							
	Width	1.30								1.30							
	Depth	0.47								0.47							
	Weight (oz)	0.08								0.08							
Material		U.V. Stabilized															

## Inverted Micro Sprinkler Assemblies









### FEATURES and BENEFITS

- The Strong “C” frame design allows for excellent water distribution uniformity.
- Inverted Orbita Micro Sprinkler with barbed base.
- Eight color coded bases to choose from
- Base color identifies the flow rate.
- During rotation the spinner is supported between two bearings.
- The spinner on the inverted sprinkler has a cover that protects the bottom bearing from dust.
- A Counter Weight keeps the assembly stable and upright. The Counter Weight also aids with the insertion of the Winged Adaptor to the supply tube.
- 20” of Flexible PVC Tube allows the assembly to be suspended in a vertical position above plants and foliage.
- The Winged Adaptor may be inserted into the supply tube by a thread or barb.

### APPLICATIONS

- Agricultural applications and greenhouses.



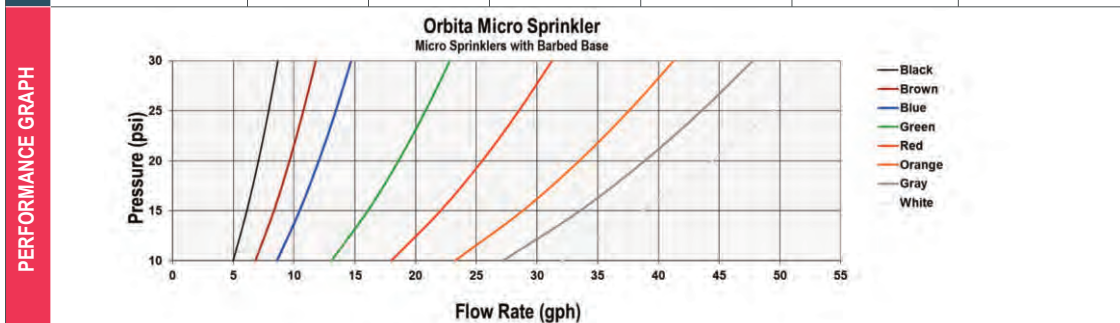
Inverted Orbita Micro Sprinkler									
INVERTED ORBITA MICRO SPRINKLER with COUNTER WEIGHT, 20" FPVC and 0.18" BARBED ADAPTOR									
Base Color		Black	Brown	Blue	Green	Red	Orange	Grey	White
Base Outlet Size		0.03"	0.035"	0.04"	0.05"	0.06"	0.07"	0.08"	0.09"
PACKAGING									
Order Codes	Packs	208552	208562	208572	208582	208592	208602	208612	208622
	Bulk	020855	020856	020857	020858	020859	020860	020861	020862
Quantity per Bag	Packs	10							
	Bulk	200							
Bags per Carton	Packs	20							
	Bulk	1							
Weight per Carton (lbs)	Packs	28.8							
	Bulk	28.3							
Base Inlet Connection		0.18" Barb							
Dimensions Assembled (inches)	Height	21.65							
	Width	1.46							
	Depth	1.14							
	Weight (oz)	2.1							
Material		U.V. Stabilized							



Micro Sprinklers



Orbita Micro Sprinklers							
PERFORMANCE DATA				STANDARD		INVERTED	
				Tested 8 inches above Ground Level		Tested 31.5 inches above Ground Level	Tested 6.6 feet above Ground Level
BASE COLOR AND BASE OUTLET SIZE	PRESSURE (psi)	FLOW RATE (gph)	DIAMETER OF THROW (ft)	STREAM HEIGHT (ft)	DIAMETER OF THROW (ft)		
FIXED FLOW	BLACK 0.03"	10	5.0	16.5	0.6	12.5	17.2
		15	6.1	17.1	0.7	12.9	17.8
		20	7.1	17.7	1.0	13.3	18.3
		25	7.9	18.3	1.3	13.7	18.9
	BROWN 0.035"	10	6.8	16.8	0.6	12.7	17.3
		15	8.3	17.4	0.7	13.2	17.9
		20	9.6	18.0	1.0	13.6	18.6
	BLUE 0.04"	10	8.6	17.2	0.6	13.0	17.5
		15	10.5	17.8	0.7	13.5	18.3
		20	12.0	18.4	1.0	14.0	19.0
	GREEN 0.05"	10	13.1	18.3	1.0	13.1	17.8
		15	16.1	19.8	1.3	13.9	18.8
20		18.6	21.3	1.6	14.6	19.7	
25		20.8	22.6	1.6	15.2	20.6	
RED 0.06"	10	18.0	19.1	1.0	13.6	18.1	
	15	22.1	21.2	1.3	14.5	19.5	
	20	25.5	23.1	1.6	15.3	20.8	
	25	28.5	24.9	1.6	16.1	22.0	
ORANGE 0.07"	10	117	26.6	1.6	16.9	23.2	
	10	23.3	20.4	1.0	13.7	18.3	
	15	28.8	22.5	1.3	14.9	19.8	
	20	33.5	24.4	1.6	16.0	21.3	
GRAY 0.08"	25	37.6	26.2	1.6	17.1	22.3	
	30	41.3	27.9	1.6	18.1	23.9	
	10	27.2	20.6	1.0	13.8	18.5	
	15	33.5	22.9	1.3	15.1	20.1	
WHITE 0.09"	20	38.9	24.9	1.6	16.3	21.5	
	25	43.5	26.8	1.6	17.4	22.8	
	30	47.8	28.6	1.6	18.5	24.1	
	10	32.1	20.7	1.0	14.0	18.7	
	15	38.7	23.2	1.3	15.4	20.3	
	20	44.4	25.4	1.6	16.6	21.8	
	25	49.4	27.5	1.6	17.8	23.2	
	30	54.0	29.4	1.6	18.9	24.4	



Recommended operating pressure is indicated by the rows highlighted in blue



Inverted Orbita Micro Sprinkler with Counter Weight & 20" FPVC Tube

## Barb and Thread Connections

### FEATURES and BENEFITS

- Inline Micro Valves, easy to install, simple to use. Rotate rotor for water control management of micro irrigation installations.
- Available in three connection combinations, Barb x Barb, Thread x Thread and Barb x Thread.
- Two colored models are available for the Barb x Barb and the Thread x Thread micro valves:
  1. **Black Base** with a **Black Rotor**
  2. **Yellow Base** with a **Blue Rotor**.
- The Barb x Thread micro valve is only available with a **Black Base** and a **Black Rotor**.

### APPLICATIONS






- Micro irrigation installations where flow control is required.



Micro Valve  
0.18" Barb



Micro Valve  
10-32 UNF Thread

MICRO VALVES						
RANGE		COLORED RANGE		BLACK RANGE		
						
Rotor Color		Blue	Blue	Black	Black	Black
Base Color		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 (lbs)	Packs	29.8	29.8	29.8	29.8	13.5
	Bulk	28.7	28.7	28.7	28.7	13.0
Base Connection Type		0.18" Barb	10-32 UNF Thread	0.18" Barb	10-32 UNF Thread	10-32 UNF Thread 0.18" Barb
Dimensions Assembled (inches)	Height	1.57	1.46	1.57	1.46	1.53
	Width	0.9	0.9	0.9	0.9	0.9
	Depth	0.6	0.6	0.6	0.6	0.6
	Weight (oz)	0.08	0.08	0.08	0.08	0.08
Material		U.V. Stabilized				



## Barb and Thread Connections

### FEATURES and BENEFITS

- The Testa Roja Quick Action Valves are easy to install, simple to use. To control the 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.
- Available in three connection combinations, Barb x Barb, Barb x Male Thread and Barb x Female Thread.
- Many different combinations are available.
- The Nut on the Female Threaded Valves rotates independantly from the body. **Patented**
- The 14 mm, 15 mm and 18 mm valves are for dripper lines and are also available in color **Brown**.

### APPLICATIONS

- Irrigation installations where flow control is required.

### PLEASE NOTE:

- Valve Sizes specified refer to the Inside Diameter of Tube.
- A filter should be installed at the beginning of the system to protect the emitters and the valves. The system should be drained if temperatures are expected to reach freezing point.

- **Recommended Maximum Operating Pressure 45 psi.**
- **Recommended Operating Temperatures: 34° F to 122° F.**



Testa Roja Valve  
1/2" Barb











Testa Roja Valve  
14 mm Barb (Brown)



Testa Roja Valve  
5/8" Barb x 1/2" MPT



Testa Roja Valve  
5/8" Barb x 1/2" FPT

Testa Roja Valves														
PACKAGING	Testa Roja Valve Sizes											CONNECTION TYPE		
	1/2"	14 mm	15 mm	5/8"	17 mm	18 mm	19 mm	3/4"						
Suitable for Tube I.D.	.490 - .515	.540 - .560	.580 - .600	.620 - .645	.660 - .675	.700 - .720	.740 - .755	.795 - .820						
Handle Color	Terracotta		Brown		Terracotta		Brown		Terracotta					
Body Color	Black		Brown		Black		Brown		Black					
Order Codes	Packs	206153	206163	204503	206173	209473	206183	206193	206203	204563	206213	206223	Barb x Barb	
	Bulk	020615	020616	020450	020617	020947	020618	020618	020620	020456	0206212	020622		
Quantity per Bag	Packs	20	20	20	20	20	20	20	20	20	20	20		
	Bulk	500	500	500	500	500	460	460	440	440	200	200		
Bags per Carton	Packs	25	25	25	25	25	23	23	22	22	10	10		
	Bulk	1	1	1	1	1	1	1	1	1	1	1		
Weight per Carton (lbs)	Packs	23.8	24.0	24.0	24.0	24.0	23.3	23.1	22.7	22.7	19.8	20.7		
	Bulk	22.9	23.1	23.1	23.1	23.1	22.5	22.7	21.8	21.8	19.4	20.2		
Dimensions Assembled (inches)	Height	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1		
	Width	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7		
	Depth	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.9	3.9		
	Weight (oz)	0.67	0.68	0.68	0.68	0.68	0.68	0.72	0.72	0.72	0.72	1.39		1.47
Order Codes	Packs	206233	206243	203243	206253				206263	206273	206283			1/2" MPT x Barb
	Bulk	020623	020624	020324	020625				020626	020627	020628	206293	206303	
Quantity per Bag	Packs	20	20	20	20				20	20	20	20	20	
	Bulk	480	480	480	480				460	460	440	200	200	
Bags per Carton	Packs	24	24	24	24				23	23	22	10	10	
	Bulk	1	1	1	1				1	1	1	1	1	
Weight per Carton (lbs)	Packs	25.6	25.8	25.8	25.8				26.0	26.0	25.1	21.6	22.5	
	Bulk	24.9	22.1	25.1	25.1				25.4	25.4	25.5	21.2	22.0	
Dimensions Assembled (inches)	Height	1.6	1.6	1.6	1.6				1.6	1.6	1.6	2.1	2.1	
	Width	1.3	1.3	1.3	1.3				1.3	1.3	1.3	1.7	1.7	
	Depth	3.5	3.5	3.5	3.5				3.5	3.5	3.5	4.2	4.2	
	Weight (oz)	0.76	0.77	0.77	0.77				0.81	0.81	0.81	1.53	1.60	
Material	U.V. Stabilized													



# Testa Roja Valves

# VALVES

## Barb and Thread Connections



Testa Roja Valve  
5/8" Barb x 3/4" MPT



Testa Roja Valve  
5/8" Barb x 3/4" FPT

Testa Roja Valves										
PACKAGING		Testa Roja Valve Sizes								CONNECTION TYPE
Suitable for Tube I.D.		1/2"	14mm	15 mm	5/8"	17 mm	18 mm	19 mm	3/4"	
Handle Color		Terracotta								
Body Color		Black								
Order Codes	Packs	206393	206403	206413	206423	206433	206443	206453	206463	3/4" MPT x Barb
	Bulk	020639	020640	020641	020642	020643	020644	020645	020646	
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 (lbs)	Packs	20.9	20.9	20.9	21.8	22.0	19.8	19.8	20.7	
	Bulk	20.3	20.5	20.5	21.4	21.4	20.5	19.6	20.3	
Dimensions Assembled (inches)	Height	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	
	Width	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	
	Depth	3.6	3.6	3.6	3.6	3.6	3.6	4.3	4.3	
	Weight (oz)	0.81	0.82	0.82	0.86	0.86	0.86	1.56	1.63	
Order Codes	Packs	206473	206483	206493	206503	206513	206523	206533	206543	1/2" FPT x Barb Patented
	Bulk	020647	020648	020649	020650	020651	020652	020653	020654	
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 (lbs)	Packs	27.6	27.8	27.8	28.7	28.9	27.8	22.3	23.1	
	Bulk	26.9	27.1	27.1	28.0	28.2	27.1	21.8	22.7	
Dimensions Assembled (inches)	Height	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	
	Width	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	
	Depth	3.7	3.7	3.7	3.7	3.7	3.7	4.3	4.3	
	Weight (oz)	0.83	0.83	0.83	0.90	0.90	0.91	1.59	1.66	
Order Codes	Packs	206553	206563	206573	206583	206593	206603	206613	206623	3/4" FPT x Barb Patented
	Bulk	020655	020656	020657	020658	020659	020660	020661	020662	
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 (lbs)	Packs	24.2	24.5	24.5	25.6	25.6	22.9	21.2	22.0	
	Bulk	23.8	24.0	24.0	24.9	24.9	23.8	20.9	21.8	
Dimensions Assembled (inches)	Height	1.6	1.6	1.6	1.6	1.6	1.6	2.1	2.1	
	Width	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	
	Depth	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.3	
	Weight (oz)	0.97	0.97	0.97	1.01	1.02	1.02	1.68	1.75	
Material	U.V. Stabilized									

## Barb, Thread and Tape Connections

### FEATURES and BENEFITS

- The Testa Roja Quick Action Valves are easy to install, simple to use. To control the 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.
- Available in various connection combinations, Take-Off for PE Pipe Connection, D-Barb, Male Thread, Female Thread (Spinning Nut), 5/8" and 7/8" Tape Connection, Take-Off for PVC Pipe Connection and a new easy to install Flex Connect™ Lay-Flat Connector.

### APPLICATIONS

- Irrigation installations where flow control is required.

### PLEASE NOTE:

- Valve Sizes specified refer to the Inside Diameter of Tube.
- To protect the integrity of the valves, the system should be drained if temperatures are expected to reach freezing point. A filter should be installed at the beginning of the system to protect emitters, valves and system components.

- Recommended Maximum Operating Pressure 45 psi - 1/2" and 3/4" Body
- Recommended Maximum Operating Pressure 130 psi - 1" Body
- Recommended Operating Temperatures: 34° F to 122° F.



3/4" Female Thread  
x  
3/4" Male




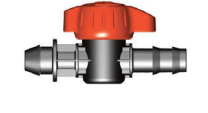
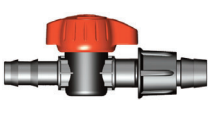
Take-Off with Gasket,  
For PE Pipe x 1/2" D-Barb



Flex Connect™ with Lay-Flat Adaptor  
x  
5/8" Tape Connector



1/2" FPT  
x  
1/2" D-Barb

Testa Roja, Valves QA Connection Type		PACKAGING								Material
		Order Codes	Quantity per Bag	Bags per Carton	Weight per Carton ( lbs)	Dimensions of Assembled Valves				
		Packs	Packs	Packs	Packs	Height	Width	Length	Weight	
					inches				ounces	
 (Spinning Nut)	1/2" FPT x 1/2" MPT	203395	50	7	22.3	1.65	1.26	4.02	0.92	U.V. Stabilized
	1/2" FPT x 3/4" MPT	203415	50	6	24.3	1.65	1.26	4.02	0.98	
 (Spinning Nut)	3/4" FPT x 1/2" MPT	203405	50	7	24.5	1.65	1.26	4.02	1.02	
	3/4" FPT x 3/4" MPT	203425	50	6	25.8	1.65	1.26	4.02	1.08	
 (Spinning Nut)	1/2" FPT x 1/2" D-Barb (.490 - .550 tube I.D.)	211055	50	9	23.2	1.65	1.26	3.66	0.97	
	3/4" FPT x 17 mm D-Barb (.660 - .675 tube I.D.)	211065	50	8	20.2	1.65	1.26	3.66	0.97	
 (Spinning Nut)	Take-Off with Gasket, For PE Pipe x 1/2" D-Barb (.490 - .550 tube I.D.)	206695	50	10	25.1	1.65	1.26	3.39	0.73	
	Take-Off with Gasket, For PE Pipe x 17 mm D-Barb (.660 - .675 tube I.D.)	206705	50	10	25.6	1.65	1.26	3.39	0.74	
 (Spinning Nut)	1/2" D-Barb (.490 - .550 tube I.D.) x 5/8" Tape Loc	206715	50	8	25.1	1.65	1.26	4.29	0.91	
	1/2" D-Barb (.490 - .550 tube I.D.) x 7/8" Tape Loc	206655	50	7	28.9	1.65	1.26	4.45	1.22	

# Testa Roja Valves

# VALVES

D-Barb, PE & PVC Pipe, Thread,  
Lay-Flat & Tape Connections



3/4" Male Thread  
x  
5/8" Tape Connector



Flex Connect™ **without**  
Lay-Flat Adaptor x 5/8"  
Tape Loc



Flex Connect™ with Lay-Flat Adaptor  
x  
7/8" Tape Loc

Testa Roja, Valves QA Connection Type		PACKAGING								Material
		Order Codes	Quantity per Bag	Bags per Carton	Weight per Carton ( lbs)	Dimensions of Assembled Valves				
		Packs	Packs	Packs	Packs	Height	Width	Length	Weight	
						inches				ounces
	Take-Off with Gasket, For PE Pipe x 5/8" Tape Loc	206725	50	7	22.7	1.65	1.26	4.25	0.93	U.V. Stabilized
	Take-Off with Gasket, For PE Pipe x 7/8" Tape Loc	206665	50	7	29.5	1.65	1.26	4.41	1.25	
	1/2" MPT x 5/8" Tape Loc	206735	50	7	24.5	1.65	1.26	4.49	1.02	
	1/2" MPT x 7/8" Tape Loc	207155	50	6	26.9	1.65	1.26	4.65	1.32	
	3/4" MPT x 5/8" Tape Loc	206685	50	6	23.8	1.65	1.26	4.53	1.16	
	3/4" MPT x 7/8" Tape Loc	206985	50	5	18.3	1.65	1.26	4.67	1.04	
	Take-Off, For 16 mm Hole Gasket, For PVC Pipe x 5/8" Tape Loc <b>(Gasket Not Included)</b>	206745	50	7	22.5	1.65	1.26	4.53	0.93	
	Take-Off, For 16 mm Hole Gasket, For PVC Pipe x 7/8" Tape Loc <b>(Gasket Not Included)</b>	206675	50	6	25.6	1.65	1.26	4.72	1.25	
	Flex Connect™ <b>with</b> Lay-Flat Adaptor x 5/8" Tape Loc	206755	50	5	23.1	1.65	1.26	4.92	1.35	
	Flex Connect™ <b>with</b> Lay-Flat Adaptor x 7/8" Tape Loc	206795	50	4	24.0	1.65	1.26	5.12	1.75	
	Flex Connect™ <b>without</b> Lay-Flat Adaptor x 5/8" Tape Loc	206645	50	5	17.4	1.65	1.26	3.14	1.01	
	Flex Connect™ <b>without</b> Lay-Flat Adaptor x 7/8" Tape Loc	206975	50	4	16.8	1.67	1.26	4.55	1.19	
	1/2" MPT	206765	50	8	24.0	1.65	1.26	3.86	0.92	
	3/4" MPT	206775	50	7	24.3	1.65	1.26	3.90	1.01	



Thread, D-Barb and Tape



1/2" D-Barb



3/4" MPT  
x  
1/2" D-Barb



1/2" MPT x "Fast" Lock Ring,  
16 mm Drip-Line  
Connector



7/8" Tape Loc Coupling

Testa Roja, Valves QA Connection Type		PACKAGING								Material
		Order Codes	Quantity per Bag	Bags per Carton	Weight per Carton ( lbs)	Dimensions of Assembled Valves				
		Packs	Packs	Packs	Packs	Height	Width	Length	Weight	
						inches			ounces	
	1/2" D-Barb (.490 - .550 tube I.D.)	206885	50	10	25.6	1.65	1.26	3.50	0.73	U.V. Stabilized
	17 mm D-Barb (.660 - .675 tube I.D.)	206895	50	10	25.6	1.65	1.26	3.46	0.74	
	1/2" MPT x 1/2" D-Barb (.490 - .550 tube I.D.)	206905	50	9	25.6	1.65	1.26	3.66	0.83	
	3/4" MPT x 1/2" D-Barb (.490 - .550 tube I.D.)	206915	50	8	25.6	1.65	1.26	3.66	0.93	
	1/2" MPT x 17 mm D-Barb (.660 - .675 tube I.D.)	206925	50	9	25.6	1.65	1.26	3.66	0.83	
	3/4" MPT x 17 mm D-Barb (.660 - .675 tube I.D.)	206935	50	8	25.6	1.65	1.26	3.66	0.93	
	1/2" MPT x 21 mm D-Barb (.850 - .875 tube I.D.)	206945	50	9	25.6	1.65	1.26	3.66	0.83	
	3/4" MPT x 21 mm D-Barb (.850 - .875 tube I.D.)	206955	50	8	25.6	1.65	1.26	3.66	0.93	
	1/2" Female Nut x Ø16 Tape Loc	207695	50	6	22.3	1.65	1.26	4.61	1.08	
	1/2" FPT x 7/8" Tape Loc	207705	50	6	27.3	1.65	1.26	4.81	1.34	
	3/4" FPT x 5/8" Tape Loc	207715	50	6	24.0	1.65	1.26	4.65	1.17	
	3/4" FPT x 7/8" Tape Loc	207725	50	5	24.5	1.65	1.26	4.84	1.45	
	1/2" MPT x "Fast" Lock Ring, 16 mm Drip-Line Connector	209435	50	7	26.2	1.65	1.26	4.41	1.10	
	3/4" MPT x "Fast" Lock Ring, 16 mm Drip-Line Connector	209505	50	6	24.7	1.65	1.26	4.41	1.20	

# Testa Roja Valves

# VALVES

## Thread, D-Barb and "Fast" Loc



5/8" Tape "Fast" Loc



5/8" Tape Loc Coupling



Flex Connect™ with Lay-Flat Connector x 5/8" Tape "Fast" Loc



Flex Connect™ without Lay-Flat Connector x 5/8" Tape "Fast" Loc

Testa Roja, Valves QA Connection Type		PACKAGING								Material
		Order Codes	Quantity per Bag	Bags per Carton	Weight per Carton ( lbs)	Dimensions of Assembled Valves				
		Packs	Packs	Packs	Packs	Height	Width	Length	Weight	
						inches				ounces
	Take-Off with Gasket x "Fast" Lock Ring, 16 mm Drip-Line Connector	210265	50	7	22.7	1.73	1.26	4.25	0.94	U.V. Stabilized
	Take-Off, with Lock Nut, For PE Pipe x 5/8" Tape Loc	207655	50	6	25.1	1.73	1.26	4.84	1.22	
	5/8" Tape Loc Coupling	203375	50	6	24.0	1.73	1.26	5.04	1.17	
	7/8" Tape Loc Coupling	203385	50	4	20.5	1.85	1.30	5.43	1.69	
	5/8" Tape "Fast" Loc	206995	50	6	20.5	1.73	1.26	5.00	0.97	
	7/8" Tape "Fast" Loc	211005	50	4	9.2	1.85	1.26	5.12	1.36	
	Take-Off with Gasket, For PE Pipe x 5/8" Tape "Fast" Loc	207495	50	7	22.5	1.69	1.26	4.17	1.27	
	Take-Off with Gasket, For PE Pipe x 7/8" Tape "Fast" Loc	207505	50	7	26.5	1.81	1.26	4.25	1.11	
	Flex Connect™ with Lay-Flat Connector x 5/8" Tape "Fast" Loc	207515	50	5	22.5	1.77	1.26	4.80	1.31	
	Flex Connect™ with Lay-Flat Connector x 7/8" Tape "Fast" Loc	207525	50	4	20.7	1.81	1.26	4.88	1.49	
	Flex Connect™ without Lay-Flat Connector x 5/8" Tape "Fast" Loc	211305	50	6	18.5	1.77	1.26	4.37	0.87	
	Flex Connect™ without Lay-Flat Connector x 7/8" Tape "Fast" Loc	211315	50	5	18.6	1.81	1.26	4.45	1.05	
	3/4" Female x 5/8" Tape "Fast" Loc	207535	50	6	22.7	1.89	1.26	4.60	1.09	
	3/4" Female x 7/8" Tape "Fast" Loc	207545	50	5	22.0	1.89	1.26	4.69	1.28	

# VALVES

## Thread, D-Barb and "Fast" Loc



1" Body, 1" D-Barb



1/2" MPT  
x  
5/8" Tape "Fast" Loc



3/4" Barb



1" Body, 1" FPT  
(Rotating Nut)

Testa Roja, Valves QA Connection Type		PACKAGING								Material
		Order Codes	Quantity per Bag	Bags per Carton	Weight per Carton ( lbs)	Dimensions of Assembled Valves				
		Packs	Packs	Packs	Packs	Height	Width	Length	Weight	
						inches				ounces
	1/2" NPT/M x 5/8" Tape "Fast" Loc	211285	50	7	23.6	1.69	1.26	4.41	0.98	U.V. Stabilized
	1/2" NPT/M x 7/8" Tape "Fast" Loc	211295	50	6	23.4	1.81	1.26	4.49	1.13	
	400 Series Barb x 5/8" Tape Loc	211145	50	8	33.0	1.73	1.26	4.30	1.11	
	400 Series Barb x 7/8" Tape Loc	211155	50	6	30.3	1.85	1.30	4.45	1.38	
	3/4" Body, 3/4" Barb (.795 - .820 tube I.D.)	206225	50	4	19.7	2.17	1.73	3.94	1.48	
	1" Body, 1" D-Barb (1.000 - 1.0250 tube I.D.)	208732	10	8	20.9	3.11	2.36	5.71	3.77	
	1" Body, 1" MPT x 1" D-Barb (1.000 - 1.0250 tube I.D.)	208752	10	8	22.0	3.11	2.36	5.67	4.00	
	1" Body, 1" MPT	208772	10	8	23.6	3.11	2.36	6.02	4.29	
	1" Body, 1" FPT (Rotating Nut) x 1" D-Barb (1.000 - 1.0250 tube I.D.)	208792	10	6	18.3	3.11	2.36	5.79	4.36	
	1" Body, 1" FPT (Rotating Nut) x 1" MPT	210202	10	6	19.2	3.11	2.36	5.95	4.60	
	1" Body, 1" FPT (Rotating Nut)	208812	10	6	19.4	3.11	2.36	5.87	4.72	



## Barb and Thread Connections

### FEATURES and BENEFITS

- Easy to install Y-Filter / Pressure Reducers and In-Line Pressure Reducers 3/4" threaded connections and preset Outlet pressures
- Six color coded Y-Filters with Pressure Reducers and preset outlet pressures are available:
  - Three Y-Filter / Pressure Reducers with 3/4" Male Pipe Thread connections (Inlet & Outlet)
  - Three Y-Filter / Pressure Reducers with 3/4" Female Thread (Inlet) and 3/4" Male Pipe Thread (Outlet).
- Three color coded In-Line Pressure Reducers with preset outlet pressures are available. The In-Line Pressure Reducers come with 3/4" Female Thread (Inlet) and 3/4" Male Pipe Thread (Outlet).
- The Pressure Reducer controls mains water pressure at the outlet to:
  - 14.5 psi (Red)
  - 26 psi (Black)
  - 36 psi (Green)
- Y-Filter with 3/4" Male Pipe Thread (Inlet & Outlet).
- The 150 Mesh Stainless Steel Filter Screen in the Y-Filters traps particles in the water to reduce clogging of emitters.
- The 3/4" Female Threaded Nut on the Y-Filters and the In-Line Pressure Reducers rotates independently from the body.



### APPLICATIONS

- Landscaped gardens, greenhouses and vegetable gardens
- **Recommended Maximum Operating Pressure: 85 psi**



Y-Filter / Pressure Reducer and Y-Filter  
3/4" MPT (Inlet & Outlet)  
26 psi (Black)



Y-Filter / Pressure Reducer & Y-Filter  
3/4" FPT (Inlet)  
3/4" MPT (Outlet)  
36 psi (Green)



Y-Filter / Pressure Reducer & Y-Filter  
3/4" NHR/F (Inlet)  
3/4" NHR/M (Outlet)  
(National Hose Thread)  
14.5 psi (Red)



In-line Pressure Reducer  
3/4" FPT (Inlet)  
x  
3/4" MPT  
(Outlet)  
36 psi (Green)

Filters and Pressure Reducers													
PACKAGING													
		Y-Filter with Pressure Reducer			Y-Filter with Pressure Reducer			Y-Filter with Pressure Reducer (National Hose Thread)			In-Line Pressure Reducer		
		14.5 psi	26 psi	36 psi	14.5 psi	26 psi	36 psi	14.5 psi	26 psi	36 psi	14.5 psi	26 psi	36 psi
Order Codes	Packs	210428	208218	210438	210448	208228	210458	210488	209458	210498	210463	208233	210473
	Bulk	021042	020821	021043	021044	020822	021045	021048	020945	021049	021046	020823	021047
Quantity per Bag	Packs	1			1			1			20		
	Bulk	80			80			80			450		
Bags per Carton	Packs	60			60			60			20		
	Bulk	1			1			1			1		
Weight per Carton (lbs)	Packs	19.8			20.0			20.0			42.0		
	Bulk	23.3			23.5			23.5			41.3		
Inlet Connection		3/4" MPT			3/4" FPT			3/4" NHR/F			3/4" FPT		
Outlet Connection					3/4" MPT			3/4" NHR/M			3/4" MPT		
Dimensions Assembled (inches)	Height	6			6			6			3.3		
	Width	4.3			4.4			4.4			1.3		
	Depth	2			2			2			1.3		
	Weight (oz)	4.2	3.9	3.9	4.2	3.9	3.9	4.2	3.9	3.9	1.25		
Material		U.V. Stabilized											

## Barb and Thread Connections

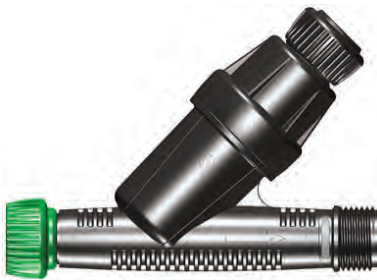
### FEATURES and BENEFITS

- Easy to install Y-Filters with 3/4" threaded connections and In-Line Filters with thread and barb connections
- One Y-Filter with 3/4" MPT (Inlet & Outlet).
- One Y-Filter with 3/4" FPT (Inlet) and 3/4" MPT (Outlet).
- One Y-Filter with 3/4" NHR/F (Inlet) and 3/4" NHR/M (Outlet). (**National Hose Thread**)
- Nine In-Line Filters are available:  
Four In-Line Filters with 1/2", 14 mm, 5/8" and 3/4" Barb connection (Inlet & Outlet).
- One In-Line Filter with 3/4" FPT (Inlet) and 3/4" MPT (Outlet)
- The 150 Mesh Stainless Steel Filter Screen in the Y-Filter and the In-Line Filter traps particles in the water to reduce clogging of emitters.
- The 3/4" Female Threaded Nut on the Y-Filter and the In-Line Filters rotate independently from the body.



### APPLICATIONS

- Landscaped gardens, greenhouses and vegetable gardens



Y-Filter  
3/4" NHR/F (Inlet)  
x  
3/4" NHR/M (Outlet)  
(National Hose Thread)



Y-Filter  
3/4" MPT (Inlet - Outlet)



In-Line Filter  
1/2" Barb (Inlet & outlet)



In-Line Filter  
3/4" FPT (Inlet)  
x  
1/2" Barb (Outlet)

### Filters and Pressure Reducers

PACKAGING		Y- Filters			Y- Filter (National Hose Thread)				In-line Filters Barbed (Inlet-Outlet)				In-line Filters 3/4" FPT (Inlet) x Barb (Outlet)				In-line Filter FPT (Inlet) MPT (Outlet)
		1/2"	14 mm	5/8"	3/4"	1/2"	14 mm	5/8"	3/4"	1/2"	14 mm	5/8"	3/4"	1/2"	14 mm	5/8"	3/4"
Order Codes	Packs	208718	208728	209468	208284	209404	208824	208834	208324	209414	208844	208854	209574				
	Bulk	020871	020872	020946	020828	020940	020882	020883	020832	020941	020884	020885	020957				
Quantity per Bag	Packs	1			25	25	25	25	25	25	25	25	25				
	Bulk	80			350	350	300	250	250	250	250	200	200				
Bags per Carton	Packs	60			12	12	12	10	10	10	10	8	8				
	Bulk	1			1	1	1	1	1	1	1	1	1				
Weight per Carton (lbs)	Packs	18.4	18.6		26.0	26.8	26.8	25.2	24.9	25.6	25.4	20.9	25.8				
	Bulk	21.4	21.6		29.8	30.6	26.5	24.9	24.9	25.4	25.2	20.8	25.7				
Inlet Connection		3/4" MPT	3/4" FPT	3/4" NHR/F	1/2" Barb	14 mm Barb	5/8" Barb	3/4" Barb	3/4" FPT								
Outlet Connection		3/4" MPT	3/4" MPT	3/4" NHR/M	.490 - .515 tube I.D.	.540 - .560 tube I.D.	.620 - .645 tube I.D.	.795 - .820 tube I.D.	1/2" Barb .490 - .515 tube I.D.	14 mm Barb .540 - .560 tube I.D.	5/8" Barb .620 - .645 tube I.D.	3/4" Barb .795 - .820 tube I.D.	3/4" MPT				
Dimensions Assembled (mm)	Height	6	6		5.2				5.2				4.6				
	Width	4.3	4.4		1.3												
	Depth	2	2		1.3												
Weight (oz)		3.9	3.9		1.26	1.30	1.30	1.46	1.45	1.49	1.48	1.49	1.45				
Material		U.V. Stabilized															

# Ultra™ Stakes

Registered Design

# STAKES

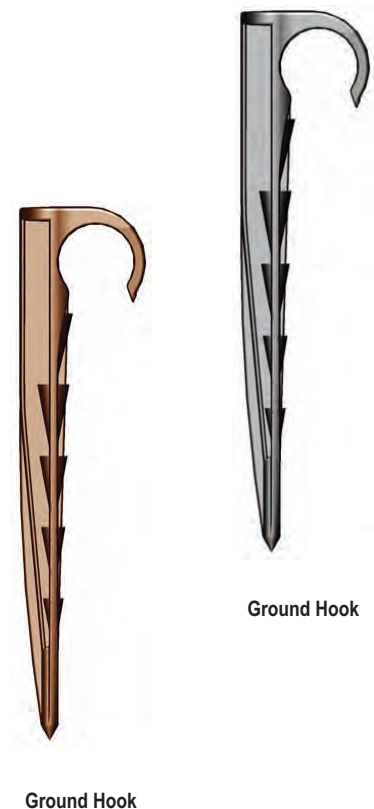
## FEATURES and BENEFITS

- 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 to irrigate plants and shrubs.
- Two Ultra™ Stake lengths available, 8" and 12". **(Registered Design)**
- Suitable for use with 0.3" O.D. Rigid Risers or Flexible Vinyl Offtake Tube.
- Five Ultra™ Stake Assemblies:
  - 8" Stake with 8" Rigid Riser Tube and 0.18" Barbed Adaptor
  - 12" Stake with 12" Rigid Riser Tube and 0.18" Barbed Adaptor
  - 12" Stake with 20" Flexible Vinyl Offtake Tube and 0.18" Barbed Adaptor
  - 8" Stake & 12" Stake with Micro Adaptor for direct connection of 10-32 UNF Male Threaded Bases or "Fast Thread" Bases, 20" Flexible Vinyl Offtake Tube and 4.5 mm Barbed Adaptor
- Slim Line
- The Ground Hook is suitable for main supply lines from 0.6" O.D. to 0.8" O.D.
- The Ground Hook firmly secures main supply lines in position on the ground once the design layout has been defined in the garden bed.



## APPLICATIONS

- Landscaped gardens, pots and vases.



		Stakes								
PACKAGING		ULTRA™ STAKES							GROUND HOOK	
		8" Stake	12" Stake	8" Stake Micro Adaptor 20" FPVC	12" Stake Micro Adaptor 20" FPVC	8" Stake with 8" Rigid Riser	12" Stake with 12" Rigid Riser	12" Stake with 20" Flex. Tube	5/8" O.D. to 3/4" O.D.	
Color		Black							Brown	Black
Order Codes	Packs	100474	100464	205692	205702	201284	201274	202652	103943	101743
	Bulk	010047	010046	020569	020570	020128	020127	020265	010394	010174
Quantity per Bag	Packs	25	25	10	10	25	25	10	20	
	Bulk	750	500	450	300	600	450	300	800	
Bags per Carton	Packs	30	20	35	30	24	18	30	40	
	Bulk	1	1	1	1	1	1	1	1	
Weight per Carton (lbs)	Packs	23.6	22.7	32.6	26.0	25.6	27.6	30.4	17.9	
	Bulk	23.4	22.7	31.1	25.1	25.6	27.6	30.2	17.5	
Dimensions (inches)	Height	8	12	8	12	8	12	12	6	
	Width	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	
	Depth	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	
	Weight (oz)	0.45	0.66	1.03	1.23	0.62	0.90	1.50	0.41	
Material		U.V. Stabilized								

Ultra™ Stake application with Rigid Riser Tube



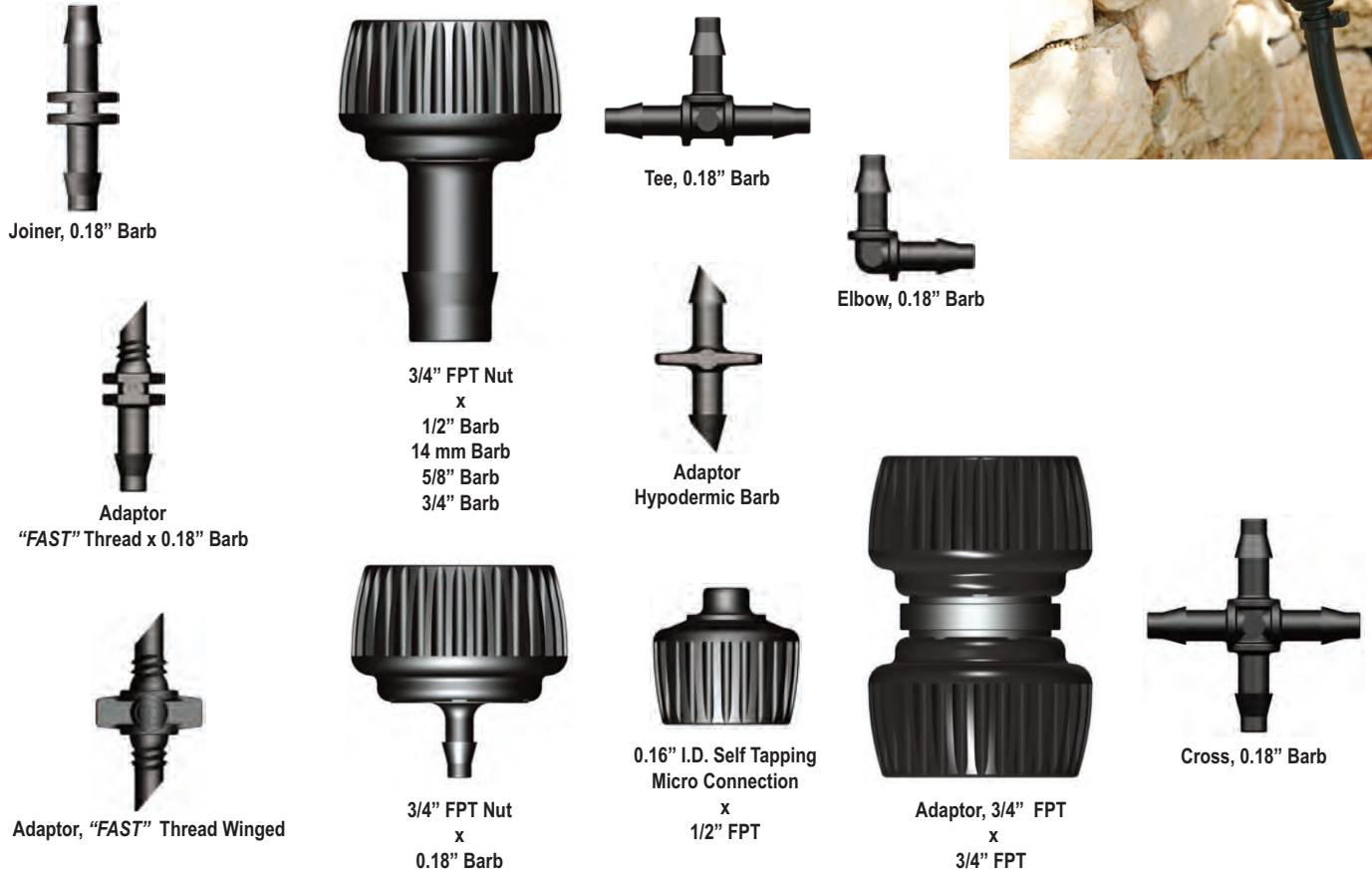
## Micro Fittings, Adaptors, Nut and Tails

### FEATURES and BENEFITS

- A range of micro fittings and adaptors with barb or "FAST" thread connection.
- Nut and Tails (**with Rotating Nut**) for easy connection to tubing, main water supply lines and emitters.
- A 1/2" FPT adaptor with self-tapping micro connection for "Fast" Thread and 10-32 UNF threaded emitters. This adaptor is ideal for connection to 1/2" threaded risers.

### APPLICATIONS

- Landscaped gardens, green houses and vegetable gardens.



PACKAGING		Micro Fittings and Adaptors													
		Elbow	Tee	Cross	Coupling	Adaptors					Nut & Tails				
		0.18" Barb (for 1/4" tube)				"FAST" Thread x 0.18" Barb	Hypodermic 0.18" Barb	"FAST" Thread Winged	Micro x 1/2" FPT	3/4" FPT x 3/4" FPT (Rotating Nut)	3/4" FPT Nut with Washer x Barbed Tail				
Order Codes	Packs	100425	100445	100675	100406	100696	100706	100716	102094	209372	203954	203964	209424	201674	201684
	Bulk	010042	010044	010067	010040	010069	010070	010071	010209	020937	020395	020396	020942	020167	020168
Quantity per Bag	Packs	50	50	50	100	100	100	100	25	10	25	25	25	25	25
	Bulk	1000	1000	1000	1000	1000	1000	1000	500	650	1500	1000	1000	800	750
Bags per Carton	Packs	360	250	250	200	250	200	250	80	60	55	34	34	32	30
	Bulk	28	18	12	24	28	25	26	5	1	1	1	1	1	
Weight per Carton (lbs)	Packs	30.9	27.6	33.1	32.2	31.5	31.3	33.1	19.4	23.6	24.6	25.4	20.9	20.3	26.0
	Bulk	40.1	34.6	28.9	35.7	32.4	36.2	34.0	23.1	23.4	25.9	22.7	23.2	20.5	26.7
Dimensions of Fittings and Adaptors (inches)	Height	0.75	1.18	1.18	1.14	1.06	1.06	1.06	0.98	2.0	1.32	1.93	1.9	1.9	1.9
	Width	0.75	0.75	1.18	0.39	0.31	0.63	0.55	1.06	1.3	1.32	1.32	1.32	1.32	1.32
	Depth	0.29	0.29	0.29	0.39	0.31	0.28	0.30	1.06	1.3	1.32	1.32	1.32	1.32	1.32
	Weight (oz)	0.02	0.03	0.04	0.02	0.02	0.02	0.02	0.02	0.13	0.25	0.25	0.42	0.34	0.35 oz
Material	U.V. Stabilized														

## Rigid Risers

### FEATURES and BENEFITS

- Risers used to raise emitters above plant foliage.
- Rigid Risers available in four lengths, 6", 8", 12" and 18" with 0.18" Barbed connection, "FAST" thread connection and 1/2" MPT adaptor
- The HDPE (high density polyethylene) Risers are suitable for 10-32 UNF and "FAST" thread emitting devices such as Ottima™, Maxima™, Idra™, Single Piece Jets, Down SPrays and Orbita Micro Sprinklers
- The Barbed and "FAST" Threaded Rigid Risers may be used with Ultra™ Stakes
- Riser Tube Dimensions - 0.16 ID x 0.30 O.D.

### APPLICATIONS

- Landscaped gardens, greenhouses and vegetable gardens.



Rigid Rise Plain

Rigid Riser with Barbed Adaptor

Rigid Riser with "FAST" Thread Adaptor

Rigid Riser with 1/2" MPT Adaptor

Rigid Risers

PACKAGING		RIGID RISERS															
		PLAIN				BARBED ADAPTOR				"FAST" THREAD ADAPTOR				1/2" MPT ADAPTOR			
		6"	8"	12"	18"	6"	8"	12"	18"	6"	8"	12"	18"	6"	8"	12"	18"
Order Codes	Packs	108596	108606	108616	108626	200926	200806	200816	200826	200936	200836	200846	200856	212346	212356	212366	212376
	Bulk	010859	010860	010861	010862	020092	020080	020081	020082	020093	020083	020084	020085	021234	021235	021236	021237
Quantity per Bag	Packs	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Bulk	TBA	TBA	TBA	TBA	TBA	2300	1800	1100	TBA	2300	1800	1100	TBA	TBA	TBA	TBA
Bags per Carton	Packs	TBA	TBA	TBA	TBA	TBA	23	18	11	TBA	23	18	11	TBA	TBA	TBA	TBA
	Bulk	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Weight per Carton (lbs)	Packs	TBA	TBA	TBA	TBA	TBA	26.7	30.0	26.9	TBA	26.7	30.1	26.9	TBA	TBA	TBA	TBA
	Bulk	TBA	TBA	TBA	TBA	TBA	26.5	29.5	26.7	TBA	26.5	29.5	26.7	TBA	TBA	TBA	TBA
Riser Dimensions (inches)	Height	6	8	12	18	6.5	8.5	12.4	17.9	6.5	8.5	12.5	18.4	6.5	8.5	12.5	18.5
	Width	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6	0.8	0.8	0.8	0.8
	Dia.	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.9	0.9	0.9
	Weight (oz)	0.15	0.22	0.30	0.45	0.17	0.24	0.32	0.47	0.17	0.24	0.32	0.47	0.31	0.38	0.46	0.61
Material	U.V. Stabilized																

## Ratchet Clamps, Repair Plugs, Micro Saddle and Accessories

### FEATURES and BENEFITS

- The Micro Saddle provides secure, leak free attachment to LDPE tube. *(Patented)*  
No tools required. Self Piercing for rapid installation.  
The 0.18" Barbed Take-Off adaptor provides connection for micro tube.
- Ratchet Clamps for securing LDPE tube to barbed fittings.
- Repair Plugs for repairing holes in Low Density Polyethylene tubing.
- Universal Key Punch aids in the installation and removal of micro fittings and sprays.
- A 1/2" MPT adaptor with self-tapping micro connection for "Fast" Thread and 10-32 UNF threaded emitters.

### APPLICATIONS

- Landscaped gardens, greenhouses and vegetable gardens.



Universal Key Punch



Ratchet Clamp  
OD16 - 18  
0.63" to 0.71"



Micro Saddle OD16 - 18  
0.63" to 0.71"  
with 0.18" Barbed  
Take-Off Adaptor



Repair Plugs  
(Rack of 10)



0.16" I.D. Self Tapping  
Micro Connection  
x  
1/2" MPT



1/2" Blank Nut  
with Washer



3/4" Blank Nut  
with Washer

### Ratchet Clamps, Repair Plugs and Accessories

PACKAGING		RATCHET CLAMPS		MICRO SADDLE with BARBED TAKE-OFF ADAPTOR	REPAIR PLUGS	BLANK NUT with WASHER		UNIVERSAL KEY PUNCH	Self Tapping Micro Connection x 1/2" MPT
		OD16-18	OD19-21	OD16-18		1/2" FPT	3/4" FPT		
		tube 0.63" to 0.71"	tube 0.75" to 0.83"	0.18" Barb	0.18" Barb				
Order Codes	Packs	101336	101356	104536	100802	204514	201694	101934	108634
	Bulk	010133	010135	010453	010080	020451	020169	010193	010863
Quantity per Bag	Packs	100	100	100	10	25	25	25	25
	Bulk	1000	1000	1000	500	500	1250	500	500
Bags per Carton	Packs	65	45	40	200	90	50	100	TBA
	Bulk	6	5	4	5	5	1	6	TBA
Weight per Carton (lbs)	Packs	30.9	31.3	25.4	18.1	24.7	18.5	24.9	TBA
	Bulk	28.2	30.8	24.9	18.7	24.5	17.0	28.5	TBA
Dim. of Fittings (inches)	Height	1.3	1.4	1.7	1.9	0.8	0.8	2.2	1.4
	Width	1.2	1.4	1.2	1.1	1.1	1.3	1.1	0.8
	Depth	0.2	0.3	0.9	0.3	1.1	1.3	0.5	0.9
	Weight (oz)	0.07	0.1	0.12	0.11	0.14	0.19	0.14	0.12
Material		U.V. Stabilized							



## Double Barb Drip-Line Fittings

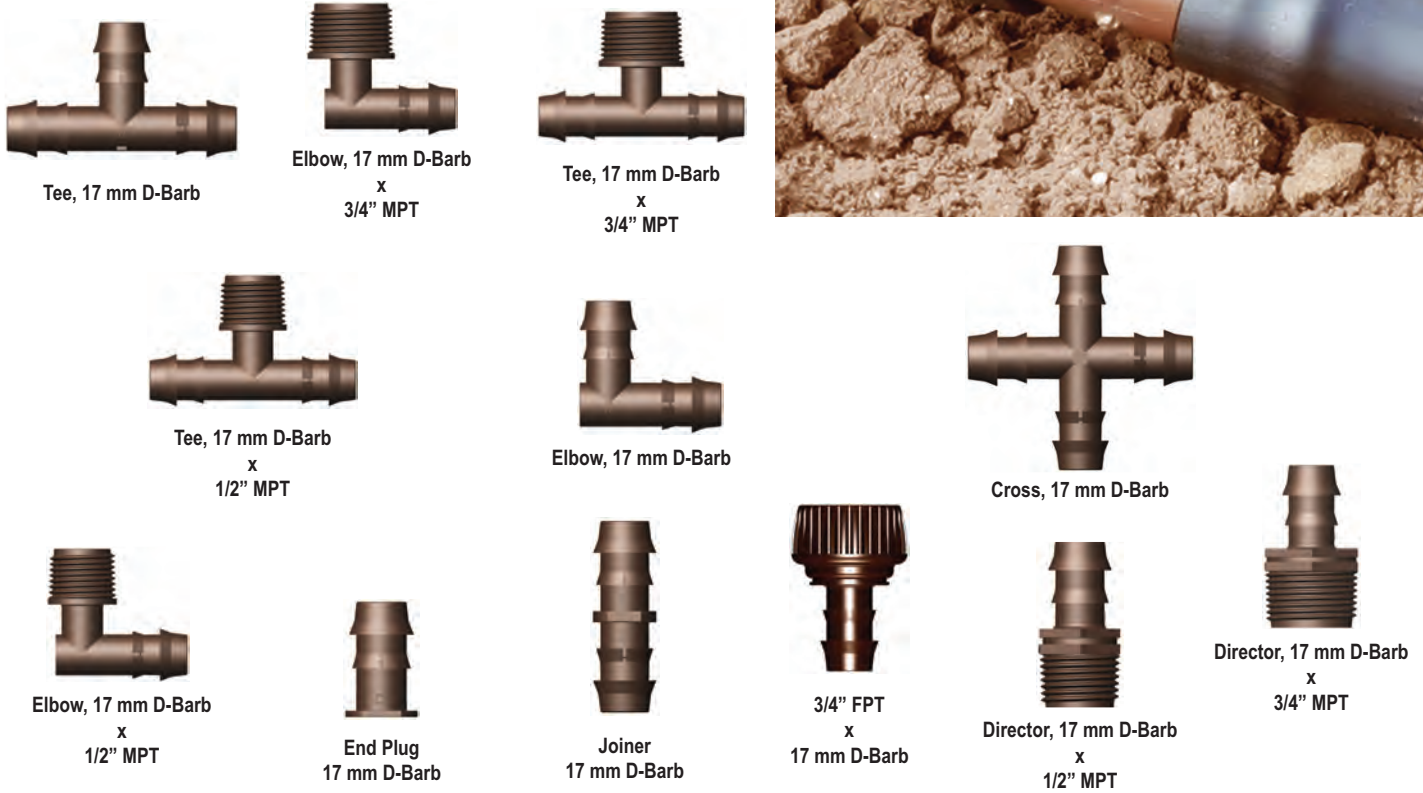
### FEATURES and BENEFITS

- A complete range of Double Barbed Acetal fittings for Drip-Line.
- Sharp edged barbs maximise retention and provide a secure, leak free attachment to Drip-Line. They may be used without ratchet clamps.

### APPLICATIONS

- Low pressure micro irrigation systems such as landscaped gardens, greenhouses and vegetable gardens.

Recommended operating pressure 0 to 45 psi



Double Barbed Drip-Line Fittings													
PACKAGING		JOINER	DIRECTORS		ELBOW	TEE	CROSS	ELBOWS		TEES		END PLUG	NUT & TAIL
		17 mm D-Barb	17 mm D-Barb x 1/2" MPT	17 mm D-Barb x 3/4" MPT	17 mm D-Barb	17 mm D-Barb	17 mm D-Barb	17 mm D-Barb	17 mm D-Barb x 1/2" MPT	17 mm D-Barb x 3/4" MPT	17 mm D-Barb x 1/2" MPT	17 mm D-Barb x 3/4" MPT	17 mm D-Barb
Order Codes	Packs	104544	104554	104564	104574	104584	104814	104824	104834	104844	104854	104864	209394
	Bulk	010454	010455	010456	010457	010458	010481	010482	010483	010484	010485	010486	020939
Quantity per Bag	Packs	25	25	25	25	25	25	25	25	25	25	25	25
	Bulk	2300	1800	1300	2000	1300	800	1300	1000	1000	800	2500	800
Bags per Carton	Packs	85	65	45	72	45	28	50	40	40	30	96	32
	Bulk	1	1	1	1	1	1	1	1	1	1	1	1
Weight per Carton (lbs)	Packs	27.3	30.6	28.9	26.7	22.3	18.3	30.6	31.5	23.2	24.5	21.2	19.2
	Bulk	26.5	31.5	31.3	26.9	24.0	19.6	30.2	32.0	24.0	25.8	18.7	18.3
Dimensions of Fittings (inches)	Height	2.09	1.89	1.89	1.65	2.64	2.64	1.77	1.89	2.64	2.64	1.22	1.9
	Width	0.67	1.0	1.22	1.65	1.65	2.64	1.69	1.69	1.69	1.69	0.67	1.3
	Depth	0.67	0.87	1.06	0.67	0.67	0.67	0.87	1.10	0.87	1.10	0.67	1.3
	Weight (oz)	0.17	0.26	0.36	5.6	0.20	0.35	0.26	0.33	0.32	0.39	0.11	0.31
Material		U.V. Stabilized											

# FITTINGS

# Tape Adaptors & Accessories

D-Barb, PE & PVC Pipe, Lay-Flat & Tape Connections



13 mm D-Barb  
x  
5/8" Tape Loc

Flex Connect™ with  
Lay-Flat Adaptor x 5/8"  
Tape Loc



Take-Off with Gasket, For PE  
Pipe x 5/8" Tape Loc

Flex Connect™ without  
Lay-Flat Adaptor x 5/8"  
Tape Loc

Tape Loc Fittings Connection Type		PACKAGING								
		Order Codes	Quantity per Bag	Bags per Carton	Weight per Carton ( lbs)	Dimensions of Assembled Adaptors			Material	
		Packs	Packs	Packs	Packs	Height	Width	Length	Weight	
						inches			ounces	
	13 mm D-Barb (.490 - .550 tube I.D.) x 5/8" Tape Loc	207025	50	16	17.6	1.02	1.06	2.86	0.30	U.V. Stabilized
	13 mm D-Barb (.490 - .550 tube I.D.) x 7/8" Tape Loc	207085	50	10	17.6	1.77	1.30	2.99	0.58	
	17 mm D-Barb (.660 - .675 tube I.D.) x 7/8" Tape Loc	207095	50	10	17.6	1.77	1.30	2.99	0.59	
	Take-Off, For 15 mm Hole Gasket x 5/8" Tape Loc <b>(Includes Gasket)</b>	207035	50	12	11.9	1.46	1.06	2.33	0.29	
	Take-Off, For 15 mm Hole Gasket x 7/8" Tape Loc <b>(Includes Gasket)</b>	207045	50	12	11.9	1.46	1.06	2.52	0.3	
	Take-Off with Gasket, For PE Pipe x 5/8" Tape Loc	207055	50	16	21.6	1.46	1.06	2.49	0.36	
	Take-Off with Gasket, For PE Pipe x 7/8" Tape Loc	207105	50	12	32.8	1.77	1.30	2.57	0.83	
	Flex Connect™ with Lay-Flat Adaptor x 5/8" Tape Loc	207065	50	10	20.7	2.08	1.38	2.57	0.83	
	Flex Connect™ with Lay-Flat Adaptor x 7/8" Tape Loc	207125	50	7	24.7	2.08	1.38	2.57	0.83	
	Flex Connect™ without Lay-Flat Adaptor x 5/8" Tape Loc	202925	50	10	17.2	1.43	1.11	2.76	0.49	
	Flex Connect™ without Lay-Flat Adaptor x 7/8" Tape Loc	203045	50	7	17.2	1.75	1.24	2.76	0.71	

## Lay-Flat & Tape Connections



1/2" MPT x 5/8" Tape Loc



400 Series Barb  
x  
5/8" Tape Loc



End Plug x 5/8" Tape Loc



5/8" Tape  
Loc Coupling

Tape Loc Fittings Connection Type		PACKAGING								Material
		Order Codes	Quantity per Bag	Bags per Carton	Weight per Carton ( lbs)	Dimensions of Assembled Adaptors				
		Packs	Packs	Packs	Packs	Height	Width	Length	Weight	
						inches				ounces
	5/8" Tape Loc Coupling	207075	50	10	16.8	1.06	1.06	3.19	0.46	U.V. Stabilized
	7/8" Tape Loc Coupling	207115	50	7	22.0	1.30	1.30	3.19	0.91	
	End Plug 5/8" Tape Loc	210695	50	16	18.6	36	27	68.7	0.32	
	End Plug 7/8" Tape Loc	210705	50	10	19.6	45	33	70.5	0.55	
	1/2" MPT x 5/8" Tape Loc	210715	50	16	19.2	36	27	65.2	0.31	
	1/2" MPT x 7/8" Tape Loc	210725	50	10	25.4	45	33	67	0.56	
	400 Series Barb x 5/8" Tape Loc	211125	50	16	33.7	36	27	65.2	1.11	
	400 Series Barb x 7/8" Tape Loc	211135	50	10	32.5	45	33	67	1.38	
	13 mm D-Barb x Take-Off for 16 mm Hole Gasket <b>(Includes Gasket)</b>	207145	50	20	14.3	0.79	0.79	2.08	0.18	
	Top Hat Gasket Hole 15	105445	50	80	21.4	0.79	0.79	0.67	0.06	
	Top Hat Gasket Hole 16	105055	50	80	21.4	0.91	0.91	0.71	0.07	
	Double Flange Gasket Hole 16	105425	50	80	21.4	0.94	0.94	0.50	0.07	



**Accessories for Lay-Flat Hose, Valves, Adaptors & Sprinkler Assemblies**

**FEATURES and BENEFITS**

- The Lay-Flat Hexagon installation tool with a wrench attachment in the head of the handle for screwing and tightening of the Lay-Flat Lock Nut.
- The Lock Nut secures the eye connection to the Lay-Flat Hose and creates a leak free connection.
- The eye connection fitting has a Sealing Cap available to minimize soil intrusion when storing.



Installation Tool with wrench attachment in the head



Lay-Flat Adaptor, Eye Connection with Lay-Flat Lock Nut






Lay-Flat Flex Connect™ Sealing Cap



Lay-Flat Hose Punch



Counter Weight

Accessories		PACKAGING								Material				
		Order Codes		Quantity per Bag		Bags per Carton		Weight per Carton ( kg)			Dimensions of Accessories			
		Packs	Packs	Packs	Packs	Packs	Packs	Height	Width		Length	Weight	inches	ounces
	Lay-Flat Adaptor, Eye Connection with Lay-Flat Lock Nut	205515	50	50	50	45.4	1.10	1.10	0.9	0.3	U.V. Stabilized			
	Lay-Flat Flex Connect™ Sealing Cap	107785	50	75	39.5	1.10	1.10	0.32	0.10					
	Installation Tool for Lay-Flat Branches	105432	10	30	11.4	2.44	0.79	5.60	1.59					
	Lay-Flat Hose Punch	207138	1	40	18.7	6.10	1.46	6.30	6.72					

Accessories & Adaptors		PACKAGING												Material
		Order Codes		Quantity per Bag		Bags per Carton		Weight per Carton ( lbs)		Dimensions of Accessories				
		Packs	Bulk	Packs	Bulk	Packs	Bulk	Packs	Bulk	Length	Width	Depth	Weight	
	Counter Weight	106624	010662	25	250	10	1	23.6	23.4	3.74	1.14	1.14	1.36	U.V. Stabilized
	Adaptor, 0.18" Barb x 0.18" Barb / 10-32 UNF Thread	106616	010661	100	1000	200	22	37.3	33.5	1.28	0.63	0.63	0.20	

## Patio Kit & Vegetable Kit

### FEATURES and BENEFITS

- Teco drip watering kits have been designed to give the user the maximum flexibility when installing the system. The system can be easily installed by following the simple instructions displayed on the kit.
- Expandable. Drippers may be added or removed from the system as your watering needs change.
- The watering system saves up to 70% of water and minimizes weed growth.
- The kits contain proven quality engineered products used every day in drip watering systems.
- Easy assembly in 6 steps.
- Adjustable drippers from 0 - 1.6 gph
- Drippers may be turned off.
- Drippers may be opened for cleaning.
- The system may be used with automatic timers.



### APPLICATIONS

- Patios, green houses and vegetable gardens.





### PATIO KIT CONTENTS

- 1 x 3/4" FPT x 3/4" MPT Pressure Reducer, 20 psi (1.5 Bar)
- 12 x Delta Drip Spike, Adjustable 0 -1.6 gph, End-Line, 0.18" Barb
- 10 x Goof Plug
- 14 x Tee, 0.18" Barb
- 1 x 3/4" Female Nut x 0.18" Tail
- 2 x Elbow, 0.18" Barb
- 66 ft x Micro Tubing (0.16" I.D. x 0.28" O.D.)

### VEGETABLE KIT CONTENTS

- 1 x 3/4" FPT x 3/4" MPT Pressure Reducer, 20 psi (1.5 Bar)
- 20 x Delta Drip Spike, Adjustable 0 -1.6 gph, In-Line, 0.18" Barb
- 10 x Goof Plug
- 6 x Tee, 0.18" Barb
- 1 x 3/4" Female Nut x 0.18" Tail
- 2 x Elbow, 0.18" Barb
- 66 ft x Micro Tubing (0.16" I.D. x 0.28" O.D.)

Drip Kits			
PACKAGING		PATIO KIT	VEGETABLE KIT
			
Order Codes	Bulk	020425	020426
Kits per Carton		10	
Weight per Carton (kg)		11.0	11.4
Dimensions of Kits (inches)	Height	7.3	
	Width	11.2	
	Depth	2.8	
	Weight (lbs)	2.2	2.3



## Micro Irrigation Installation Guide

### Some helpful hints and advise when installing an irrigation system

#### TIPS:

- Contract a professional irrigation designer to design and install your system. Ensure the system suits your plants and soil type
- Install micro irrigation emitters that suit your individual plants watering needs.
- Install a irrigation controller with a range of programming features that include seasonal adjustment and a rain sensor.
  
- Irrigate to encourage deep roots and mulch around your plants to conserve moisture in the soil.. Do not over-irrigate.
- Monitor your water use and if need be contact an expert for advice.
- Drain your system at the end of the irrigation season, check and clean your system and components at the beginning of the season to ensure all is working and functioning correctly.
- Install an inline filter at the start of your irrigation system to protect the emitters, valves and other components.
- Install a pressure reducer (25 psi) on a mains water supply to protect your system from pipe blowouts.

## Teco Srl

### Conditions of Sale Limited Warranty

Teco Srl warrants to its trade customers that Teco Srl products will be free from original defects in workmanship and material for a period of one year from date of delivery.

Within the warranty period of one year and upon notice and delivery of defective products to Teco Srl, Teco Srl agrees to replace or repair only product determined by Teco Srl to be defective in material and workmanship. In no event shall Teco Srl be liable for payment of any expenses or charges other than the cost of performing its obligation to replace or repair at Teco Srl's sole discretion in accordance with this basic commercial warranty.

Unauthorized repairs, misuse, neglect, modification, accident, improper installation or subjection to line pressure in excess of 45 psi shall void this warranty. In the case of purchase of the product for use other than, for irrigation purposes, Teco Srl hereby disclaims any implied warranties including any warranties of merchantability and fitness for a particular purpose.

The warranty is exclusively limited to Teco Srl products only.

This warranty applies only to Teco Srl products and explicitly does not apply to any product used in conjunction with Teco Srl products.

**Teco Srl shall in no event be liable for incidental or consequential damages of any nature. Teco Srl's sole obligation shall be limited to the replacement or repair of defective parts at Teco Srl's sole discretion pursuant to this warranty.**

This warranty shall extend only to the original purchaser of the product. Teco Srl makes no other warranties expressed or inferred. No agent, representative, distributor, or anyone else has the authority to waive, modify, or add to the printed provisions of this warranty, to make any representation or warranty not contained herein, or to extend this warranty to anyone other than the original user.

In order to obtain performance under this warranty, the defective product must be returned to the factory along with proof of purchase, shipping prepaid, addressed as follows:

**Teco Srl  
Trav. SP 130, Trani-Andria, km 1,800  
76125 Trani (BT)  
ITALY**

**Teco Srl reserves the right to redesign its products, resulting in changes to specification and performance at any time without notice and without liability to any person.**





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**2021**

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Quality from day ONE