

ANTELCO



PUTTING WATER WHERE IT COUNTS ! ®



Irrigation Equipment USA Catalog

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2019



Agri Drip™ Classic - Drippers

Page 4

New improved colored bases to identify flow rate



CFa Ag Spray™

Page 19

A single piece 360° stream open spray jet for high performance at an affordable price.



Rotor Rain™ Mini Sprinkler

Page 25

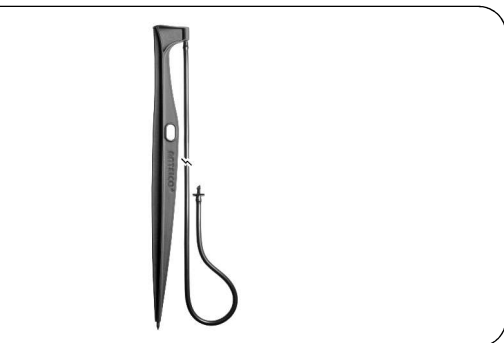
Increased range of lower flow rate nozzles to suit more applications.



Rotor Max™ Midi Sprinkler

Page 27

Increased range of lower flow rate nozzles to suit more applications.



Micro Stake/Assembly

Page 39/40

A stake and/or assembly to suit threaded jets, sprays and sprinklers.

Antelco is committed to product development and improvements so specifications may change without notice and without incurring liability.

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DRIPPERS



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ACCESSORIES



Shrubbler® 360° & 180° Adjustable Flow



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

Features

- Finger-tip click indexed flow control with shut-off option.
- Spike models anchor Shrubbler® at the plant.
- In-Line Spike and Spike model suits 0.16" ID micro tube.
- Barb model for direct attachment to feeder and supply tubes.
- Threaded model for installation into Asta® Stakes, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.
- 1/2" Threaded model for riser pipe installations.

Applications

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

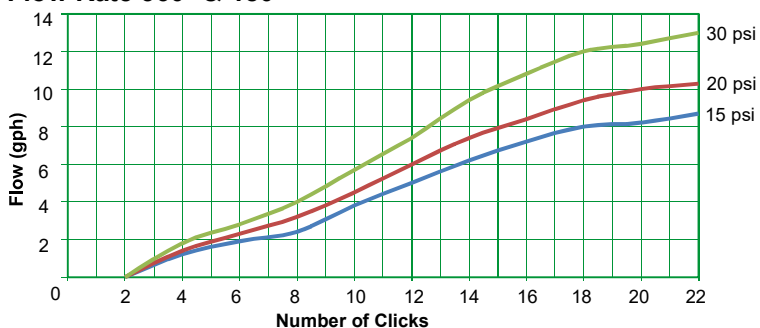
DRIPPERS

ADJUSTABLE

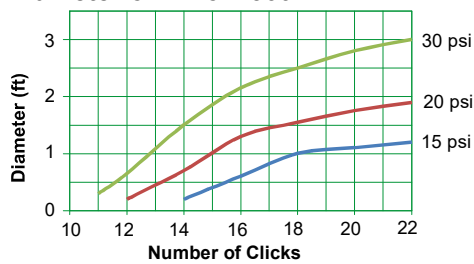
Performance Chart - fully open (approx. 22 clicks)

Pattern		360° ✳	180° ⬇
Pressure (psi)	Flow (gph)	Diameter (ft)	Radius (ft)
15	8.7	1.2	1.2
20	10.3	1.9	1.5
30	13.0	3.0	2.0

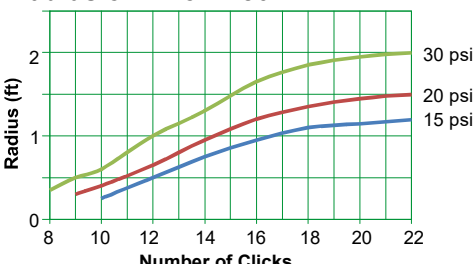
Flow Rate 360° & 180°



Diameter of Throw 360°



Radius of Throw 180°



Ordering Information - Shrubbler® 360°

Base Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Barb 0.16"	31445	100	50	20.6
Thread 10-32 UNF	31415	100	50	24.6
Thread 1/2" FNPT	31425	25	50	13.8
Spike	31495	25	40	14.4
In-Line Spike	30995	25	40	14.3

Ordering Information - Shrubbler® 180°

Base Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Barb 0.16"	31245	100	50	20.6
Thread 10-32 UNF	31215	100	50	24.6
Thread 1/2" FNPT	31225	25	50	13.8
Spike	31295	25	40	14.4

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

Potstream® Adjustable Flow Patented



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

Features

- Variable flow rate and pattern size suits pot diameter of 8" and upwards.
- Suits pot wall thickness up to 1.6".
- Side mounted installation for the clean and tidy location of the supply tube.
- Shut-off capability allows easy removal and replacement for relocating of pots and containers.
- Low application rate and gentle stream pattern.
- Easily adjustable knob for varying spray patterns.
- US Design patent D815,929.

Applications

Potted plants, planter boxes and containers.

Performance Chart

Pressure (psi)	Flow (gph)	Radius (in)
5	0 - 3.3	0 - 8.7
10	0 - 4.7	0 - 9.1
15	0 - 5.8	0 - 9.3
20	0 - 6.8	0 - 9.5
25	0 - 7.7	0 - 10.4
30	0 - 8.3	0 - 11.0
35	0 - 9.1	0 - 11.8
40	0 - 9.7	0 - 12.4

Ordering Information - Potstream®

Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Potstream® Adjustable Flow	31455	25	20	13.9

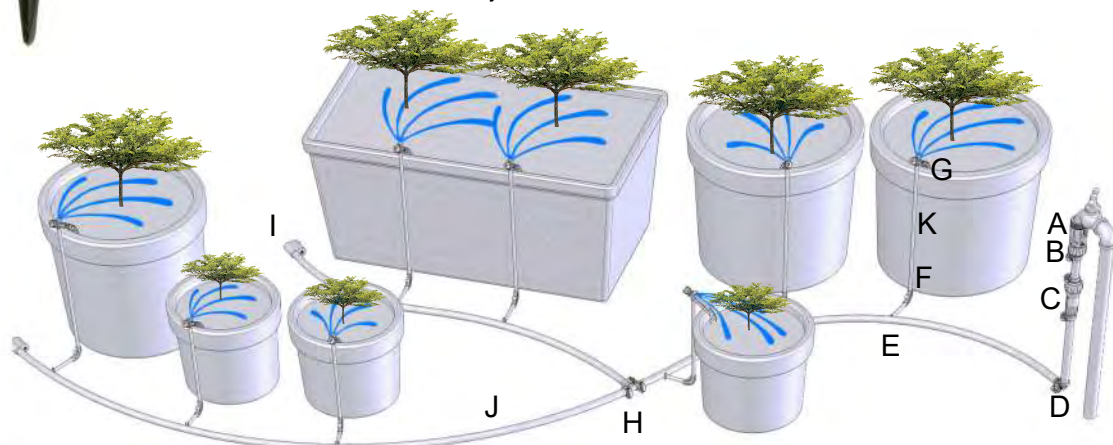
Specifications

Dimensions Assembled	UV Stabilized Material	Color	Base/Connection Type
HEIGHT 8.7"	STAKE polypropylene	STAKE black	Inlet: BARB 0.16"
WIDTH 0.9"	KNOB HDPE	KNOB black	
DEPTH 3.0"			
WEIGHT (approx) 0.4 oz			

Typical System

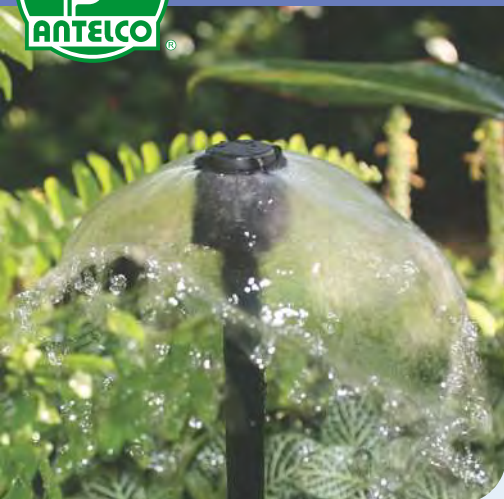
KEY

- | | |
|------------------------|----------------------|
| A - Pressure Regulator | G - Potstream® |
| B - Nut & Tail | H - Tee |
| C - Filter | I - End Plug |
| D - Elbow | J - 1/2" Supply Tube |
| E - Takeoff/Joiner | K - 1/4" Micro Tube |
| F - Tidy Bow Elbow | |





Mini Bubbler 360° Adjustable Flow



Gentle umbrella pattern. Flow and coverage can be altered by rotating the click indexed cap.

Features

- Finger-tip click indexed flow control with shut-off option.
- Spike model to anchor Mini Bubbler at the plant.
- Barb model for direct attachment to feeder and supply tubes.
- Threaded model for installation into Asta® Stakes, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.
- 1/2" Threaded model for riser pipe installations.

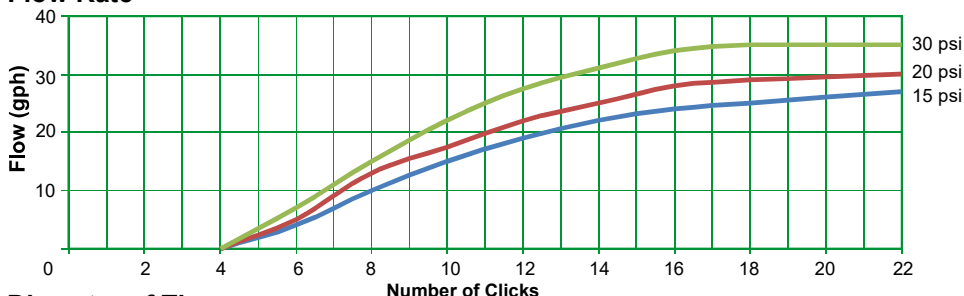
Applications

Street trees and shrubs. Flow rates allow for short watering times.

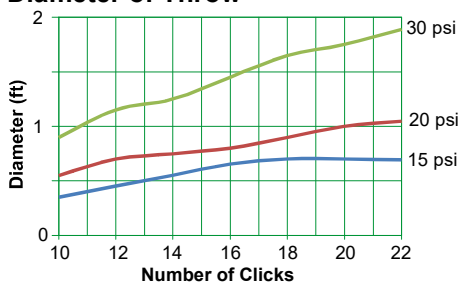
Performance Chart - fully open (approx. 22 clicks)

Pattern		360°
Pressure (psi)	Flow (gph)	Diameter (ft)
15	27.0	0.69
20	30.1	1.05
30	35.0	1.89

Flow Rate



Diameter of Throw



Ordering Information - Mini Bubbler

Base Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Barb 0.16"	31745	100	50	19.6
Thread 10-32 UNF	31715	100	50	24.0
Thread 1/2" FNPT	31725	25	50	13.7
Spike	31795	25	40	14.7

Specifications - Shrubber® & Mini Bubbler

Dimensions Assembled		Barb	Thread	Thread 1/2"	Spike
HEIGHT		0.9"	0.9"	1.3"	5.3"
WIDTH		0.8"	0.8"	1.0"	1.7"
DEPTH		0.6"	0.6"	1.0"	0.6"
WEIGHT (approx.)		0.06 oz	0.07 oz	0.15 oz	0.19 oz
UV STABILIZED MATERIAL	BASE	polypropylene	acetal	polypropylene	polypropylene
	CAP	polypropylene	polypropylene	polypropylene	polypropylene
BASE/CONNECTION TYPE: Inlet		BARB 0.16"	THREAD 10-32 UNF	THREAD 1/2" FNPT	BARB 0.16"



Mini Bubbler Spike 0.16" with Adapter



Mini Bubbler Barb 0.16"



Mini Bubbler Thread 10-32 UNF



Mini Bubbler Thread 1/2"

Agri Drip™ Classic Drippers



A sealed turbulent flow path dripper that provides consistent and uniform performance at an economical price.

Features

- New improved color coded bases for easy identification (Red - 1/2 gph, Gray - 1 gph, Green - 2 gph).
- Positive barb connection to suit 0.16" ID tube.
- UV stabilized materials for long life.
- Resistant to common agricultural chemicals and fertilizers.

Applications

Horticultural tree and row crops, vineyards and landscape applications.



Agri Drip™ Classic
1/2 gph



Agri Drip™ Classic
1 gph



Agri Drip™ Classic
2 gph

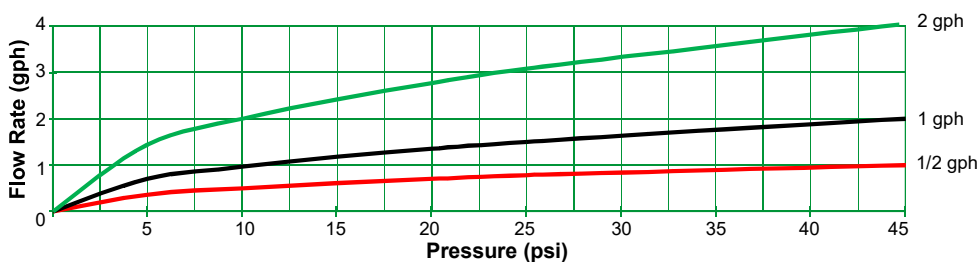


This product has been independently tested by the Center for Irrigation Technology, California State University, Fresno.

Performance Chart

Pressure (psi)	Flow (gph)		
	1/2 gph	1 gph	2 gph
5	0.36	0.70	1.44
10	0.50	0.96	2.00
15	0.61	1.18	2.42
20	0.70	1.35	2.77
25	0.78	1.50	3.08
MINIMUM FLOW PATH DIMENSION (inch)		0.035 x 0.028	0.050 x 0.032
		0.073 x 0.043	

Flow Rate vs. Pressure



Ordering Information - Agri Drip™ Classic

Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2 gph	30225	100	50	14.1
1 gph	30245	100	50	14.1
2 gph	30285	100	50	14.1

Specifications

Dimensions Assembled		UV Stabilized Materials	Base/Connection Type
HEIGHT	0.9"	BASE polypropylene	Inlet: BARB 0.16"
DIAMETER	0.8"	CAP polypropylene	Outlet: SPOUT 0.16"
WEIGHT (approx)	0.04 oz		



Midi Drip™



1 gph dripper with barb and spike options. For efficient delivery of water to individual plants in pots and gardens.

Features

- Take apart for easy inspection and cleaning.
- Barb model for direct insertion into tubing.
- Spike model to anchor Midi Drip™ at the plant.

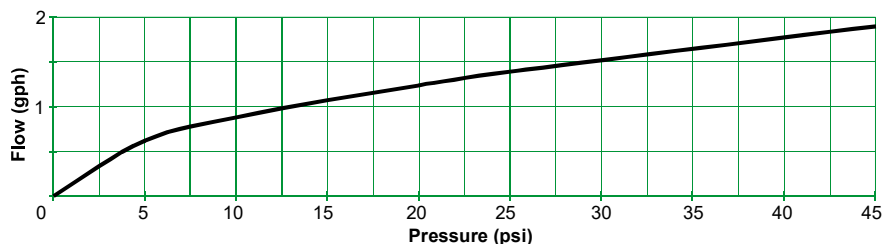
Applications

Shrubs, flowers and vegetables.

Performance Chart

Pressure (psi)	Flow (gph)
5	0.62
10	0.88
15	1.07
20	1.24
25	1.39
MINIMUM FLOW PATH DIMENSION (inch)	0.025 x 0.020

Flow Rate vs. Pressure



DRIPPERS

FIXED FLOW



Midi Drip™
Spike with
0.16" inlet

Ordering Information - Midi Drip™

Base Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Barb	30145	100	50	11.6
Spike	30195	25	50	13.6



Midi Drip™
Barb 0.16"

Specifications

Dimensions Assembled	Barb	Spike	UV Stabilized Materials	Base/Connection Type
HEIGHT	0.7"	4.9"	BODY	polypropylene
LENGTH	1.4"	2.0"	KEY	polypropylene
WIDTH	0.35"	0.35"	SPIKE	polypropylene
WEIGHT (approx.)	0.053 oz	0.163 oz		Inlet: BARB 0.16"

Pinch Drip™ Pressure Compensating Dripper



A Pressure Compensating (PC) dripper with a sealed turbulent flow path and diaphragm to maintain uniform flow rates over a wide range of operating pressures. Low profile design to minimize risk of dislodgement from supply tubing and ergonomic finger grips for ease of installation.

Features

- Low manufacturing coefficient of variation (Cv) to provide high performance (conforms to ISO 9261).
- Three color coded flow rates: 1/2 gph, 1 gph & 2 gph.
- Self-flushing cleaning action at low pressures.
- Insect baffle to minimize blockages.
- Self piercing inlet barb has built-in filter to minimize risk of blockages.
- UV stabilized materials for long life.

Applications

Vineyards, orchards, row crops and landscape applications.

Performance Chart

Pressure (psi)	Flow (gph)		
	1/2 gph	1 gph	2 gph
5	0.45	0.77	1.28
10	0.60	1.06	1.78
15	0.60	1.10	1.93
20	0.60	1.14	1.96
25	0.61	1.20	2.00
30	0.62	1.22	2.03
35	0.62	1.23	2.03
40	0.61	1.23	2.03
45	0.60	1.21	2.00
50	0.58	1.20	1.96
MINIMUM FLOW PATH DIMENSION (inch)		0.027 x 0.024	0.031 x 0.031
		0.047 x 0.035	



Pinch Drip™
PC 1/2 gph
Barb 0.16"

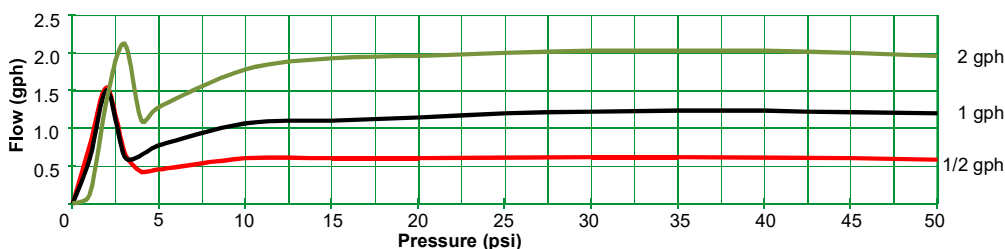


Pinch Drip™
PC 1 gph
Barb 0.16"



Pinch Drip™
PC 2 gph
Barb 0.16"

Flow Rate vs. Pressure



Ordering Information - Pinch Drip™ PC

Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2 gph	30705	100	50	13.4
1 gph	30715	100	50	13.4
2 gph	30725	100	50	13.4

Specifications

Dimensions Assembled		UV Stabilized Materials	Base/Connection Type	
HEIGHT:	1.0"	CAP: polypropylene	Inlet:	BARB 0.16"
WIDTH:	1.1"	BASE: polypropylene	Outlet:	SPOUT 0.16"
DEPTH:	0.6"	DIAPHRAGM: silicone rubber		
WEIGHT (approx):	0.04 oz			



CETA® PC Drippers



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

Features

- Low manufacturing coefficient of variation (Cv) provides high performance (conforms to ISO 9261).
- Take apart for easy inspection and cleaning.
- Self-flushing cleaning action at low pressure.
- Insect baffle to minimize risk of blockages.
- 0.16" Barbed range incorporates either 0.12" or 0.16" barbed outlets.
- 0.16" PC Spike & In-Line Spike models to anchor CETA® at the plant.

Applications

Pots, planter boxes, balcony patio and landscape applications.

Performance Chart

Pressure (psi)	Flow (gph)		
	1/2 gph	1 gph	2 gph
5	0.41	0.76	1.47
10	0.51	0.92	1.80
15	0.54	1.00	2.08
20	0.57	1.07	2.08
25	0.59	1.12	2.11
30	0.61	1.15	2.13
35	0.61	1.17	2.14
40	0.61	1.16	2.13
45	0.60	1.15	2.11
50	0.59	1.13	2.07

Ordering Information - CETA® PC 1 gph Spike

Base Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Spike	30625	25	40	13.4
In-Line Spike	30655	25	40	14.4

Ordering Information - CETA® PC with 0.12" Barb Outlet

Flow	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2 gph	30515	100	50	24.3
1 gph	30525	100	50	24.3
2 gph	30535	100	50	24.3

Ordering Information - CETA® PC with 0.16" Barb Outlet

Flow	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2 gph	30545	100	50	24.3
1 gph	30555	100	50	24.3
2 gph	30565	100	50	24.3

Specifications

Dimensions Assembled		CETA® PC with 0.12" & 0.16" Barb Outlet	CETA® PC Spike/In-Line Spike
HEIGHT		1.4"	5.3"
WIDTH		0.8"	1.7"/1.4"
DEPTH		0.6"	0.6"
WEIGHT (approx.)		0.07 oz	0.18 oz
UV STABILIZED MATERIALS	BASE/SPIKE	polypropylene	polypropylene
	CAP	polypropylene	polypropylene
	DIAPHRAGM	silicone rubber	silicone rubber
	ADAPTER	acetal	
CONNECTION TYPE: Inlet		BARB 0.16"	BARB 0.16"
Outlet		BARB 0.12" or 0.16"	SPOUT 0.16"

CETA® PC
1 gph Spike
with 0.16" Inlet

CETA® PC
1 gph Spike with
0.16" In-Line Inlet



CETA® PC
1/2 gph
Barb 0.16"
with 0.12" or
0.16" Outlet



CETA® PC
1 gph
Barb 0.16"
with 0.12" or
0.16" Outlet



CETA® PC
2 gph
Barb 0.16"
with 0.12" or
0.16" Outlet

CETA® PC Drippers



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

Features

- Low manufacturing coefficient of variation (Cv) provides high performance (conforms to ISO 9261).
- Three color coded and stamped flow rates - 1/2 gph, 1 gph and 2 gph.
- Large clog resistant turbulent flow path.
- The CETA® dripper is able to be taken apart for inspection and cleaning.
- Self piercing inlet barb with built in filter.
- Insect Baffle to deter insect entry.
- Constructed of high quality UV and chemical resistant materials.

Applications

Vineyards, orchards, row crops and landscape.

Performance Chart

Pressure (psi)	Flow (gph)		
	1/2 gph	1 gph	2 gph
5	0.41	0.76	1.47
10	0.51	0.92	1.80
15	0.54	1.00	2.08
20	0.57	1.07	2.08
25	0.59	1.12	2.11
30	0.61	1.15	2.13
35	0.61	1.17	2.14
40	0.61	1.16	2.13
45	0.60	1.15	2.11
50	0.59	1.13	2.07



CETA®
PC 1/2 gph
Barb 0.16"

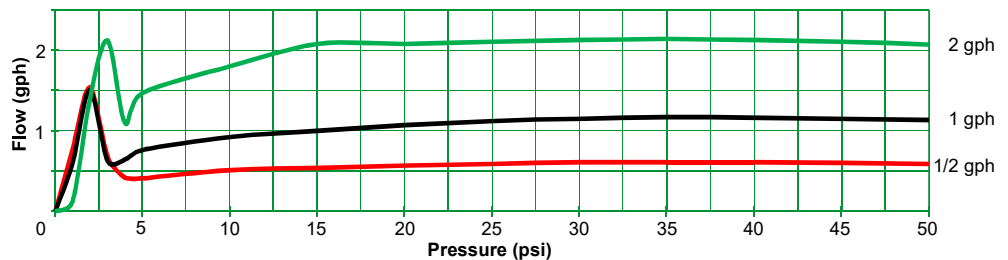


CETA®
PC 1 gph
Barb 0.16"



CETA®
PC 2 gph
Barb 0.16"

Flow Rate vs. Pressure



Ordering Information - CETA® PC Barb

Flow	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2 gph	30425	100	50	15.6
1 gph	30445	100	50	15.6
2 gph	30485	100	50	15.6

Specifications

Dimensions Assembled		CETA® PC
HEIGHT		1.0"
WIDTH		0.8"
DEPTH		0.6"
WEIGHT (approx.)		0.06 oz
UV STABILIZED MATERIALS	BASE CAP DIAPHRAGM	polypropylene polypropylene silicone rubber
CONNECTION TYPE:	Inlet Outlet	BARB 0.16" SPOUT 0.16"





Asta® Drip PC Spike Drippers



A landscape and nursery dripper incorporating an anchoring spike that delivers precise amounts of water direct to the plant root zone. This Pressure Compensating (PC) spike dripper has a sealed turbulent flow path and diaphragm to maintain uniform discharge rates over a wide range of pressures.

Features

- Three color coded flow rates: 1/2 gph (Red), 1 gph (Black) & 2 gph (Green).
- Turbulent flow path and self-flushing action with insect baffle to minimize blockages.
- Low manufacturing coefficient of variation (Cv) provides high performance (conforms to ISO 9261).
- Inlet barb has built-in filter to minimize risk of blockages.
- UV stabilized materials for long life.

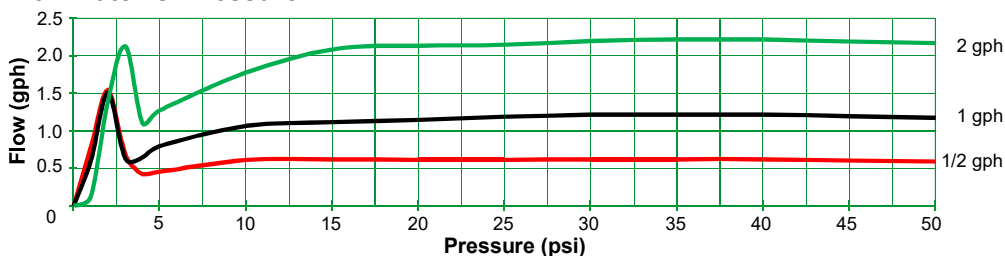
Applications

Nurseries, shade houses, tree lots and landscape applications.

Performance Chart

Pressure (psi)	Flow (gph)		
	1/2 gph	1 gph	2 gph
5	0.45	0.79	1.27
10	0.61	1.06	1.77
15	0.62	1.11	2.08
20	0.61	1.14	2.13
25	0.61	1.18	2.14
30	0.62	1.21	2.19
35	0.62	1.21	2.21
40	0.62	1.21	2.21
45	0.60	1.19	2.18
50	0.59	1.17	2.16
MINIMUM FLOW PATH DIMENSION (inch)		0.027 x 0.024	0.031 x 0.031
			0.047 x 0.035

Flow Rate vs. Pressure



Ordering Information - Asta® Drip PC Spike

Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2 gph	30735	25	50	15.9
1 gph	30745	25	50	15.9
2 gph	30755	25	50	15.9

Specifications

Dimensions Assembled		UV Stabilized Materials		Base/Connection Type	
HEIGHT	5.7"	SPIKE:	polypropylene	Inlet:	BARB 0.16"
WIDTH	1.3"	BASE:	polypropylene	Outlet:	SPOUT 0.16"
DEPTH	1.7"	DIAPHRAGM:	silicone rubber		
WEIGHT (approx)	0.7 oz				

Asta® Drip PC
1/2 gph Spike
with 0.16" inlet

Asta® Drip PC
1 gph Spike
with 0.16" inlet

Asta® Drip PC
2 gph Spike
with 0.16" inlet

Shrubbler® 360° Pressure Compensating Patented



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

Features

- Pressure Compensating operation maintains diameter of throw over a wide range of inlet pressures.
- Take-apart for easy inspection and cleaning.
- Colored cap for easy identification.
- Patented functionality.
- UV stabilized materials for long life.

Applications

Pots, planter boxes, balcony, patio and landscape applications.

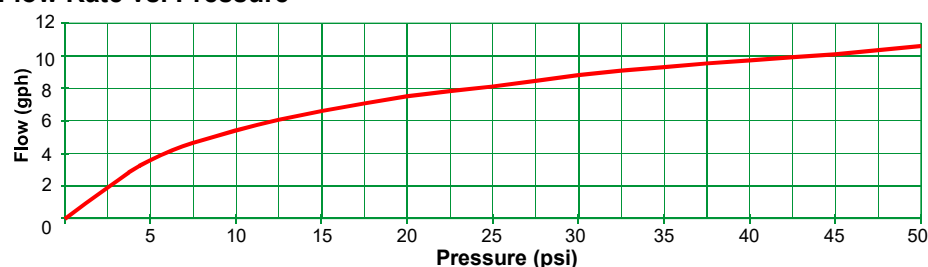
Performance Chart

Pressure (psi)	360° ✱	
	Flow (gph)	Diameter (in)
15	6.6	10.2
20	7.5	11.8
25	8.1	14.3
30	8.8	14.0
35	9.3	14.6
40	9.7	15.0
45	10.1	15.5
50	10.6	15.7



Shrubbler® 360° PC
Barb 0.16"

Flow Rate vs. Pressure



Shrubbler® 360° PC
Spike with 0.16" Inlet

Ordering Information - Shrubbler® 360° PC

Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Barb 0.16"	31685	100	50	20.4
Spike	31695	25	50	15.9

Specifications

Dimensions Assembled		Barb	Spike
HEIGHT		1.0"	5.3"
WIDTH		0.8"	0.6"
DIAMETER		0.6"	1.0"
WEIGHT (approx)		0.06 oz	0.19 oz
UV STABILIZED MATERIAL	BASE	polypropylene	polypropylene
	CAP	polypropylene	polypropylene
	DIAPHRAGM	silicone	silicone
BASE/CONNECTION TYPE: Inlet		BARB 0.16"	BARB 0.16"



Agri Drip™ PC Drippers



A sealed turbulent flow path Pressure Compensating dripper incorporating a diaphragm that maintains a uniform flow rate over a wide range of operating pressures.

Features

- Three available models: 1/2 gph, 1 gph & 2 gph.
- Positive barb connection to suit 0.16" ID tube or connect directly to supply tubing.
- UV stabilized materials for long life.
- Resistant to common agricultural chemicals & fertilizers.

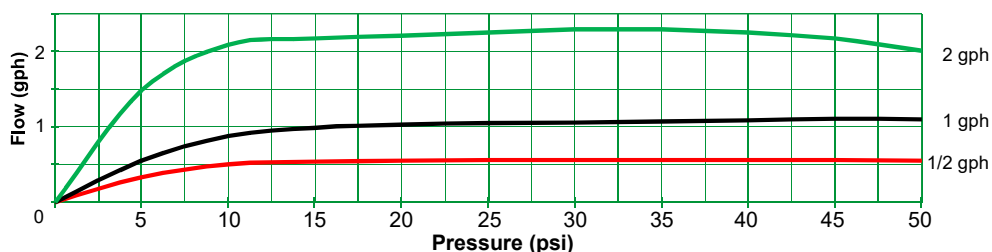
Applications

Horticultural tree and row crops, vineyards and landscape applications.

Performance Chart

Pressure (psi)	Discharge (gph)		
	1/2 gph	1 gph	2 gph
15	0.54	0.99	2.17
20	0.55	1.03	2.21
25	0.56	1.05	2.25
30	0.56	1.06	2.29
35	0.56	1.07	2.29
40	0.56	1.09	2.25
45	0.56	1.11	2.17
50	0.55	1.10	2.01
MINIMUM FLOW PATH DIMENSION (inch)		0.027 x 0.025	0.03 x 0.03
		0.027 x 0.039	

Flow rate versus Pressure



Agri Drip™ PC
Barb 0.16"

Ordering Information - Agri Drip™ PC

Flow	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2 gph	30325	100	50	14.8
1 gph	30345	100	50	14.8
2 gph	30365	100	50	14.8

Specifications

Dimensions Assembled		UV Stabilized Materials		Base/Connection Type	
HEIGHT	0.9"	BASE	polypropylene	Inlet:	BARB 0.16"
DIAMETER	0.8"	CAP	polypropylene	Outlet:	SPOUT 0.16"
WEIGHT (approx.)	0.046 oz	DIAPHRAGM	silicone rubber		



This product has been independently tested by the Center for Irrigation Technology, California State University, Fresno.



A Pressure Compensating 1 gph dripper disguised as a fun and eye catching feature for your garden.

Features

- Available in 1 gph Pressure Compensating model.
- Turbulent flow path and self flushing action with insect baffle to minimize risk of blockages.
- Inlet barb incorporates built in filter.
- Outlet suitable for attaching 0.16" micro tube.
- UV stabilized materials for long life.
- Retail packaging solution for counter sales.

Applications

Pots, patios and landscape applications.

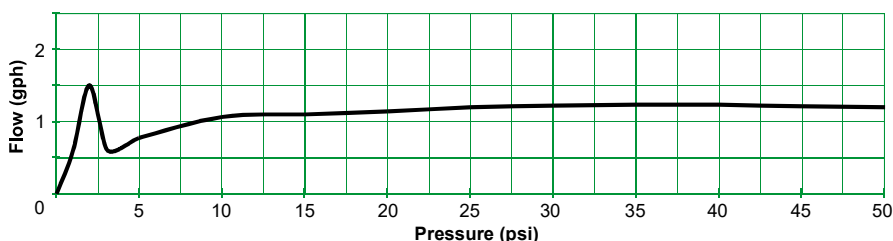
Performance Chart

Pressure (psi)	Flow (gph)
	1 gph
5	0.77
10	1.06
15	1.10
20	1.14
25	1.20
30	1.22
35	1.23
40	1.23
45	1.21
50	1.20



DripPets™ Frog
PC 1 gph
Barb 0.16"

Flow Rate versus Pressure



DripPets™ Ladybug
PC 1 gph
Barb 0.16"

Ordering Information - DripPets™

Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DripPets™ Frog	30815	100	18	18.6
DripPets™ Ladybug	30845	100	18	17.0

Specifications

Dimensions Assembled			UV Stabilized Materials		Base/Connection Type	
	Frog	Ladybug				
HEIGHT	1.0"	1.0"	CAP	polypropylene	Inlet:	BARB 0.16"
DIAMETER	1.2"	1.1"	BASE	polypropylene	Outlet:	SPOUT 0.16"
DEPTH	1.4"	1.5"	DIAPHRAGM	silicone rubber		
WEIGHT (approx)	0.13 oz	0.10 oz	COVER - FROG	nylon		
			COVER - LADYBUG	acetal		



DripPets™ Frog
Retail Box



Spectrum™ 360° Adjustable Spray



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

Features

- Finger-tip click indexed flow control with shut-off option.
- Spike model to anchor Spectrum™ at the plant.
- Barb model for direct attachment to feeder and supply lines.
- Threaded model for installation into Asta® Stakes, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.
- 1/2" Threaded model for riser pipe installations.

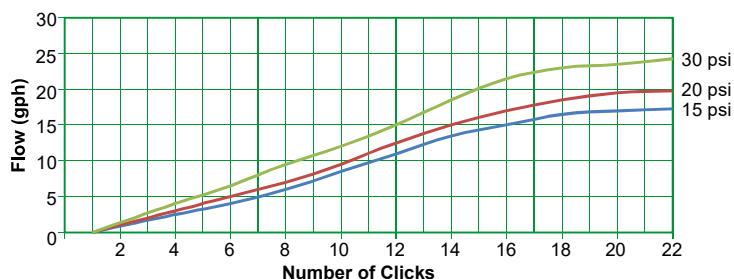
Applications

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

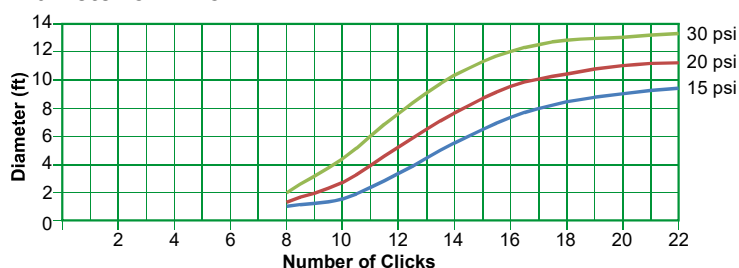
Performance Chart - fully open 22 clicks

Pressure (psi)	360°	
	Flow (gph)	Diameter (ft)
15	17.3	9.4
20	19.8	11.2
30	24.3	13.3

Flow Rate



Diameter of Throw



Ordering Information - Spectrum™ 360°

Base Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Barb 0.16"	32045	50	50	13.8
Thread 10-32 UNF	32015	50	50	15.7
Thread 1/2" FNPT	32025	25	50	15.6
Spike	32095	25	40	15.3

Specifications

Dimensions Assembled		Barb	Thread	Thread 1/2"	Spike
HEIGHT		1.0"	1.0"	1.5"	5.3"
WIDTH		0.8"	0.8"	1.0"	1.7"
DEPTH		0.6"	0.6"	1.0"	0.6"
WEIGHT (approx.)		0.06 oz	0.07 oz	0.17 oz	0.19 oz
UV STABILIZED MATERIAL	BASE	polypropylene	acetal	polypropylene	polypropylene
	CAP	polypropylene	polypropylene	polypropylene	polypropylene
	DEFLECTOR	acetal	acetal	acetal	acetal
BASE/CONNECTION TYPE: Inlet		BARB 0.16"	THREAD 10-32 UNF	THREAD 1/2"FNPT	BARB 0.16"



Spectrum™ Spike with 0.16" Inlet and Adapter



Spectrum™ Barb 0.16"



Spectrum™ Thread 10-32 UNF



Spectrum™ Thread 1/2" FNPT



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





Features

- Choice of spray patterns - 360°, 180°, 90° and Mist.
- Threaded for installation on Asta® Stakes, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.
- UV stabilized materials for long life.

Applications

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

Performance Chart

Pattern						
*Minimum opening size			0.02"	0.05"	0.06"	0.06"
Base & Orifice Size	Pressure (psi)	Flow (gph)	Diameter (ft)		Radius (ft)	
Standard Base Max 0.06"	10	0 - 16.7	0 - 18.4		0 - 6.7	0 - 6.4
	15	0 - 21.0	0 - 22.6		0 - 8.1	0 - 8.1
	20	0 - 24.5	0 - 25.7		0 - 9.5	0 - 9.4
	25	0 - 28.0	0 - 26.7		0 - 10.1	0 - 9.8
	30	0 - 31.0	0 - 26.3		0 - 10.6	0 - 10.3
Mist Base Max 0.014"	10	0 - 4.0		0 - 3.0		
	15	0 - 5.0		0 - 2.6		
	20	0 - 5.9		0 - 2.9		
	25	0 - 6.6		0 - 2.8		
	30	0 - 7.4		0 - 2.6		

*Minimum opening size for Base and Cap given to assist filtration selection.
Ghosted figures indicate a change of performance from spray to mist.



Vari-Jet™
360° x 18 hole
10-32 UNF Thread



Vari-Jet™
180° fan
10-32 UNF Thread



Vari-Jet™ Mist Flex Spray Assembly

Ordering Information - Vari-Jets™

Spray Pattern	Base	Cap Color	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
360° x 18 hole	Black 10-32 UNF	Black	13145	50	50	16.2
180° fan	Black 10-32 UNF	Black	13125	50	50	16.2
90° fan	Black 10-32 UNF	Black	13115	50	50	16.2
Mist	Black 10-32 UNF	Black	13195	50	50	16.2

Ordering Information - Vari-Jet™ Mist Flex Spray Assembly

Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Vari-Jet™ Mist Flex Spray 12" Assembly	59035	5	100	24.1
Vari-Jet™ Mist Flex Spray 24" Assembly	59045	5	50	24.1

Specifications

Dimensions Assembled		UV Stabilized Materials		Base/Connection Type
HEIGHT	2.0"	CAP	acetal	Inlet: 10-32 UNF THREAD
WIDTH	0.9"	BASE	acetal	
WEIGHT (approx.)	0.14 oz			



Micro Spray Jets: Caps and Bases



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

Features

- Caps available in eight spray patterns.
- Six color coded bases to identify flow rate.
- Jet assemblies made to order.
- Caps and bases can be ordered separately.
- Available in 10-32 UNF Thread Hexagon Base.
- Threaded for installation on Asta® Stakes, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.

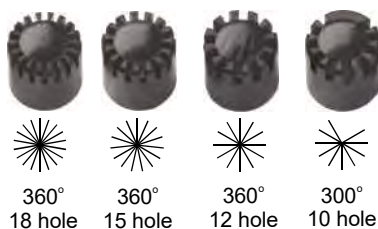
Applications

Assemblies suit garden bed watering and landscape areas.

SPRAYS

Ordering Information - Spray Caps (Refer to page 16 for Performance Chart)

Spray Pattern	Cap Color	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
360° x 18 hole	Black	10845	100	50	3.6
360° x 15 hole	Black	10855	100	50	3.6
360° x 12 hole	Black	10865	100	50	3.6
300° x 10 hole	Black	10875	100	50	3.6
270° (3 x 90°)	Black	10835	100	50	3.6
180° fan	Black	10825	100	50	3.6
90° fan	Black	10815	100	50	3.6
Strip (2 x 20°)	Black	10885	100	50	3.6



Ordering Information - Jet Bases (Refer to page 16 for Performance Chart)

Color/Nozzle Size	Base Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.03"	Hexagon	10905	100	50	5.6
0.04"	Hexagon	10915	100	50	5.6
0.05"	Hexagon	10935	100	50	5.6
0.06"	Hexagon	10955	100	50	5.6
0.08"	Hexagon	10945	100	50	5.6
0.09"	Hexagon	10985	100	50	5.6



Hexagon Jet Base
10-32 UNF Thread
0.06" Red

Specifications - Caps and Bases

Dimensions	Cap	Base Hexagon
HEIGHT	0.35"	0.8"
WIDTH	0.32"	across flats 0.5"
WEIGHT (approx.)	0.007 oz	0.02 oz
UV STABILIZED MATERIALS	acetal	acetal
BASE/CONNECTION TYPE: Inlet		10-32 UNF Thread

Micro Spray Jets: Performance & Flow Rates



Pattern											
*Minimum opening size			0.02"	0.02"	0.03"	0.03"	0.05"	0.05"	0.06"	0.06"	0.05"
Base Jet Size	Pressure (psi)	Flow (gph)	Diameter (ft)						Radius (ft)		Diameter (ft)
0.03"	10	4.7	10.2	9.2	9.5	5.9	10.9	10.4	4.4	4.4	
	15	5.9	13.4	10.6	10.7	11.0	11.4	14.1	5.7	5.0	
	20	6.9	14.7	11.5	12.5	14.8	9.2	16.8	6.6	5.4	
	25	7.8	15.6	12.4	13.7	17.5	9.2	18.9	7.2	5.6	
	30	8.6	16.4	14.0	15.5	20.0	8.8	19.9	7.7	6.7	
0.04"	10	7.0	13.4	10.5	11.2	10.9	12.5	11.5	5.2	5.2	
	15	8.9	15.8	12.6	14.6	16.3	13.3	15.9	6.7	6.0	
	20	10.5	18.2	14.8	16.4	21.4	10.6	17.7	7.7	6.4	
	25	12.0	19.6	17.5	17.6	25.3	11.1	19.0	8.5	6.6	
	30	13.3	20.4	20.9	23.0	28.6	10.6	19.0	9.2	7.0	
0.05"	10	11.5	17.4	15.8	13.0	12.8	11.0	15.5	5.8	5.7	
	15	14.5	21.1	19.1	16.7	18.8	11.5	19.3	7.4	6.6	
	20	17.2	22.5	20.0	19.1	22.5	12.0	22.4	8.4	7.2	
	25	19.5	23.3	22.1	20.3	25.4	12.1	25.4	9.1	7.8	
	30	21.5	23.8	26.1	23.5	26.4	12.3	28.3	9.6	8.4	
0.06"	10	16.3	18.4	15.9	15.6	16.4	11.1	17.8	6.4	6.7	
	15	20.0	22.6	20.1	20.9	18.1	12.6	21.9	8.1	8.1	
	20	23.5	25.7	23.6	26.0	24.8	14.0	27.5	9.4	9.5	
	25	26.0	26.7	27.2	30.5	32.4	15.0	31.8	9.8	10.1	
	30	29.0	26.3	29.4	33.5	34.5	15.8	35.8	10.8	10.6	
0.08"	10	25.0	20.1	19.2	20.9	17.6	13.6	22.2	6.8	6.8	
	15	31.0	24.6	25.4	27.3	24.7	15.2	31.6	8.7	8.3	
	20	35.5	25.9	29.9	31.6	28.9	16.4	37.8	9.9	9.7	
	25	40.0	26.0	33.8	36.4	31.4	17.3	42.3	10.5	10.5	
	30	44.0	25.0	37.0	39.9	35.3	16.7	43.5	10.9	10.9	
0.09"	10	35.5	19.4	19.4	23.7	16.1	14.8	23.2	7.7	7.8	
	15	44.0	23.3	26.7	30.8	23.1	18.0	30.0	10.0	9.3	
	20	51.0	23.8	31.9	36.5	29.9	20.7	34.5	11.3	10.5	
	25	57.0	23.4	36.5	40.4	33.3	23.4	37.3	12.1	12.3	
	30	63.0	22.7	37.8	43.2	35.3	25.8	39.9	12.6	13.2	
0.014"	10	4.0									3.0
	15	4.8									2.6
	20	5.6									2.9
	25	6.2									2.8
	30	6.8									2.6

* Minimum opening size for Base and Cap given to assist filtration selection.
 Ghosted figures indicate a change of performance from spray to mist.



Micro Spray Jets: Assemblies



Two piece jets with precise watering patterns. Effective performance at low pressure (15 psi).

Features

- Nine optional spray patterns.
- Color coded bases for flow identification.
- Caps feature a snap ring which firmly engages the base.
- Threaded for installation on Asta® Stakes, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.
- UV stabilized materials for long life.

Applications

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

Ordering Information - Micro Spray Jets Assembled (Refer to page 16 for Performance Chart)

Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Assembled Two Piece Spray Jet	Cap & Base	1000	26	45.9

For assembled Two Piece Spray Jets select color base and cap spray pattern. Minimum order - 1,000 Assemblies. Allow two weeks for assembly and dispatch. Urgent orders by arrangement.



360° x 18 hole



180° fan



90° fan



Strip Spray
(2 x 20°)



Mist Spray
Hexagon



Mist Spray
Winged

Ordering Information - Mist Jets Assembled (Refer to page 16 for Performance Chart)

Base Type	Base Color	Cap Color	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Hexagon	Yellow	Black	11995	100	50	8.9
Winged	Yellow	Black	14995	100	50	9.5

Specifications

Dimensions Assembled		Base Winged	Base Hexagon
HEIGHT		0.9"	0.8"
WIDTH		0.5"	0.3"
WEIGHT (approx.)		0.025 oz	0.028 oz
UV STABILIZED MATERIALS	BASE	acetal	acetal
	CAP	acetal	acetal
BASE/CONNECTION TYPE: Inlet		"QUICK" Thread 0.16"	10-32 UNF Thread
Dimensions vary slightly depending on selected base and cap assembly			

Single Piece Jets



Economical fan spray jet for effective watering.




Features

- Winged base with 'Quick' thread for rapid and easy installation.
- No tools required.
- Choice of three spray patterns - 360°, 180°, 90°.
- Four color coded flow rates.
- Threaded for installation on Asta® Stake, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.

Applications

Home and landscaped gardens and horticultural applications.

Performance Chart

Pattern					
Color & Orifice Size	Pressure (psi)	Flow (gph)	Diameter (ft)	Radius (ft)	
Blue 0.04"	10	7.5	5.7	2.8	4.0
	15	9.5	6.6	3.3	4.6
	20	11.0	7.5	3.8	5.3
Green 0.06"	10	15.0	7.0	3.6	4.6
	15	18.8	7.9	4.1	5.3
	20	21.8	8.9	4.7	6.0
Black 0.067"	10	19.4	8.4	4.3	5.6
	15	24.2	9.3	5.0	6.3
	20	28.2	10.2	5.6	7.0
Red 0.075"	10	21.7	9.0	5.0	6.3
	15	27.4	9.8	5.6	6.9
	20	31.4	10.8	6.3	7.6



Single Piece Jet
Blue 90°



Single Piece Jet
Green 180°



Single Piece Jet
Red 360°

Ordering Information - Single Piece Jets

Spray Pattern	Color	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
360°	Blue	15445	100	50	7.4
180°	Blue	15425	100	50	7.4
90°	Blue	15415	100	50	7.4
360°	Green	15545	100	50	7.4
180°	Green	15525	100	50	7.4
90°	Green	15515	100	50	7.4
360°	Black	15645	100	50	7.4
180°	Black	15625	100	50	7.4
90°	Black	15615	100	50	7.4
360°	Red	15745	100	50	7.4
180°	Red	15725	100	50	7.4
90°	Red	15715	100	50	7.4

Specifications

Dimensions		UV Stabilized Materials	Base/Connection Type
HEIGHT	0.87"	acetal	Inlet: "QUICK" THREAD 0.16"
WIDTH across wings	0.5"		
WEIGHT (approx.)	0.021 oz		



NEW

CFa AgSpray™

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

Features

- Color coded for flow rate identification.
- 12 Stream Hi-Lo watering pattern (a).
- Robust proven C Frame design.
- No moving parts.
- "Quick" thread inlet with sealing barb.
- Threaded for installation on Asta® Stakes, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.

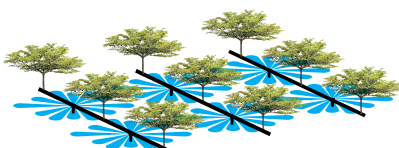
Applications

Specifically designed for orchards and horticultural crops.

SPRAYS



CFa AgSpray™ Range




Typical System



CFa AgSpray™ with 36" tube, adapter & Micro Stake Assembled

Performance Chart

360° x 12 Streams - Hi-Lo (a) 						
Color & Orifice Size	Pressure (psi)	Flow (gph)	Diameter - (ft)		Hydraulic Flow Data	
			High	Low	Constant (k)	Exponent (x)
0.030"	10	4.9	9.6	7.5	1.650	0.48
	15	6.0	11.7	9.1		
	20	7.0	13.3	10.5		
	25	7.8	14.5	11.8		
	30	8.5	15.3	13.0		
0.035"	10	6.2	11.2	8.5	1.858	0.52
	15	7.6	13.8	10.5		
	20	8.7	15.3	12.1		
	25	9.8	16.3	13.4		
	30	10.7	16.9	14.3		
0.040"	10	7.3	12.0	9.2	2.376	0.49
	15	8.9	14.4	11.2		
	20	10.2	16.0	13.0		
	25	11.5	16.9	14.3		
	30	12.6	16.8	15.0		
0.045"	10	9.6	14.7	12.1	2.965	0.51
	15	11.8	17.7	14.2		
	20	13.7	19.5	15.9		
	25	15.3	20.6	17.4		
	30	16.7	21.2	18.5		
0.060"	10	15.8	19.8	15.6	4.785	0.52
	15	19.6	23.1	19.0		
	20	22.7	25.3	21.2		
	25	25.5	27.0	22.7		
	30	28.0	28.4	23.9		

Ordering Information - CFa AgSpray™

Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.030"	13005	100	50	18.1
0.035"	13075	100	50	18.1
0.040"	13015	100	50	18.1
0.045"	13065	100	50	18.1
0.060"	13055	100	50	18.1

Ordering Information - CFa AgSpray™ w/36" tube, adapter & Micro Stake Assembled

Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.030"	54348	100	1	14.9
0.035"	54358	100	1	14.9
0.040"	54368	100	1	14.9
0.045"	54378	100	1	14.9
0.060"	54388	100	1	14.9

** (Refer to page 20 for Specifications)*

Antelco irrigation equipment USA catalog 2019 www.antelco.com



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

Features

- 45° downspray reduces the effect of wind.
- Gentle spray minimizes damage to delicate plant foliage.
- Galvanized wire stake assembly with 36" tubing.
- Three color coded frames to identify flow rates.
- "Quick" thread for easy insertion into tubing.
- Shut-Off Clip to stop flow.
- Patented functionality.
- UV stabilized materials for long life.

Applications

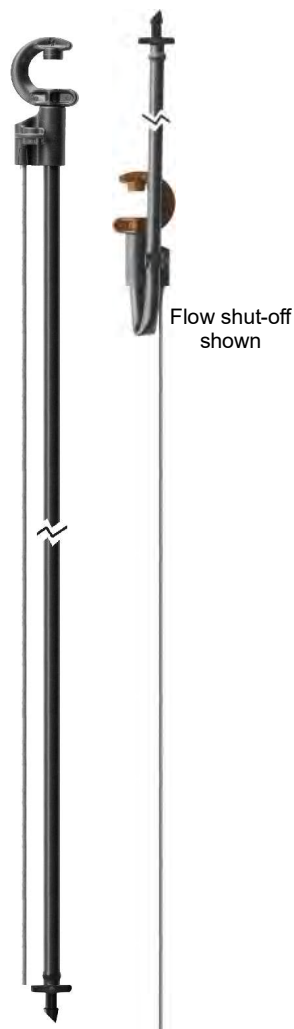
Nurseries, tree lots, potted plants, home and landscaped gardens.

Performance Chart



Cfd™ Downspray Range

Pattern		360°	
Color & Orifice Size	Pressure (psi)	Flow (gph)	Diameter (in)
0.032"	10	4.8	24
	15	6.0	24
	20	7.2	20
0.035"	10	6.0	24
	15	7.5	20
	20	8.6	20
0.039"	10	7.0	24
	15	8.9	20
	20	10.5	20



Flow shut-off shown

Cfd™ Downspray Wire Stake Assembly

Ordering Information - Cfd™ Downspray

Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.032"	19005	100	50	18.1
0.035"	19025	100	50	18.1
0.039"	19015	100	50	18.1

Ordering Information - Cfd™ Galvanized Wire Stake Assembly with Shut-Off Clip

Color & Orifice Size	Tube Length	Part Number	Pack Quantity	Packs per Carton	Carton (lbs)
0.032"	36"	54305	25	12	20.1
0.035"	36"	54325	25	12	20.1
0.039"	36"	54315	25	12	20.1

Specifications - Cfd™ & CFa AgSpray™

Dimensions Assembled		Cfd™ Downspray & CFa AgSpray™	Cfd™ Downspray Wire Stake Assembly	CFa AgSpray™ Stake Assembly
HEIGHT		1.3"	37.4"	13.7"
WIDTH		1.0"	1.0"	1.0"
DEPTH		0.3"	0.6"	1.6"
WEIGHT (approx.)		0.05 oz	1.00 oz	1.80 oz
UV STABILIZED MATERIALS	FRAME	acetal	acetal	acetal
	STAKE ADAPTER		polypropylene	
	OFF-TAKE TUBE		PEVA	PE
	BARB ADAPTER STAKE		acetal	acetal
BASE/CONNECTION TYPE: Inlet		"QUICK" THREAD with SEALING BARB 0.16"	BARB 0.16"	BARB 0.16"



Frame Jets™



Low maintenance open spray jets which excel in performance and reliability. Deflector snaps on to frame to temporarily restrict spray diameter for young trees.

Features

- Open frame and spray plate.
- No moving parts.
- Wide range of spray patterns and trajectories.
- Color coded nozzles for flow rate identification.
- "Quick" thread for easy insertion into tubing.
- Threaded for installation on Asta® Stakes, Asta® Stake Adapter, Micro Stake Assembly and Rigid Risers.

Applications

Specifically designed for orchards, vineyards and horticultural crops.



Frame Jet™
210° x 8 Pattern



Deflector for Frame Jet™



Deflector attached to
Frame Jet™ Butterfly Pattern



Micro Stake Assembly
with 36" tube & adapter

Ordering Information - Frame Jets™

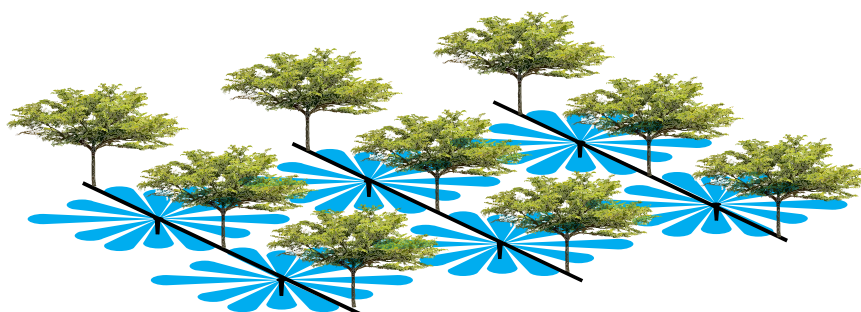
Description	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Frame Jets™	Refer to page 22	1000	6000	26.9
Deflector	12998	1000	6000	27.0
Micro Stake Assembly	54238	100	1	14.5

Specifications

Dimensions Assembled		UV Stabilized Materials		Base/Connection Type
HEIGHT	1.26"	FRAME	acetal	Inlet: "QUICK" Thread 0.16" Optional 10-32 UNF
WIDTH	0.5"	BASE	acetal	
LENGTH	1.04"	DEFLECTOR	acetal	
WEIGHT (approx.)	0.065 oz			

Due to the comprehensive range of Frame Jets™ all are made to order. Allow two weeks for assembly and shipping. Urgent orders upon request and may include additional charges. Optional 10-32 UNF thread available upon request. Smaller quantities may be available upon request.

Typical System



Performance and Part Numbers



Pattern		A 360° x 12				B Butterfly		C 210° x 8		E 360° x 22		J 360° x 12		R Rectangular		V 300° x 10	
Base Color	Trajectory	Press. (psi)	Flow (gph)	26° High 12.5° Low		Part Number	Diameter (ft)	Part Number	Diameter (ft)	Part Number	Diameter (ft)	Part Number	Diameter (ft)	Part Number	Diameter (ft)	Part Number	Diameter (ft)
				High	Low												
Black 0.030"	10	4.9	10	13	10		13		10		9		10		11		6
	15	5.9	12	16	12	12208	16		11		11		13		13		7
	20	6.9	13	17	13	12108	17	12308	12	12508	12	12608	14	12708	15	12808	8
	25	7.6	14	17	14		18		13		13		15		15		9
	30	8.3	15	18	15		18		13		13		16		16		9
Orange 0.034"	10	5.4	11	13	11		15		15		10		12		12		7
	15	6.7	13	16	13		18		11		11		14		14		8
	20	7.7	14	18	14	12178	19	12378	19	12578	12	12678	16	12778	16	12878	9
	25	8.5	16	19	16		21		20		13		17		17		10
	30	9.3	17	20	17		23		22		14		18		18		11
Brown 0.035"	10	6.1	11	14	11		14		13		10		12		14		7
	15	7.5	14	17	14		16		15		12		15		15		9
	20	8.7	15	19	15	12228	17	12328	16	12528	14	12628	15	12728	17	12828	10
	25	9.7	16	20	16		19		17		15		17		18		11
	30	10.5	17	21	17		21		18		15		19		19		11
Blue 0.040"	10	7.9	13	16	13		17		15		11		13		15		8
	15	9.9	16	18	16		20		17		13		16		17		10
	20	11.3	17	20	17	12218	23	12318	19	12518	15	12618	18	12718	17	12818	11
	25	12.6	19	22	19		25		20		17		19		19		12
	30	13.8	21	24	21		26		21		18		20		20		13
Purple 0.045"	10	10.0	15	18	15		18		24		12		15		15		9
	15	12.3	17	21	17		23		26		15		20		17		11
	20	14.3	20	24	20	12168	25	12368	29	12568	17	12668	21	12768	21	12868	13
	25	15.9	22	26	22		28		32		18		23		23		14
	30	17.3	23	28	23		29		34		19		25		25		15
Gray 0.048"	10	11.4	16	20	16		21		20		14		18		16		10
	15	14.2	20	24	20		25		25		17		21		19		12
	20	16.2	22	27	22	12148	27	12348	27	12548	18	12648	24	12748	21	12848	13
	25	18.2	24	29	24		30		29		20		26		23		15
	30	19.7	26	31	26		31		31		21		27		24		16
Green 0.050"	10	13.0	16	20	16		20		19		14		16		17		11
	15	16.0	20	24	20		25		21		17		20		19		13
	20	18.5	22	27	22	12138	27	12338	22	12538	19	12638	22	12738	23	12838	15
	25	20.7	24	29	24		29		26		22		24		25		16
	30	22.5	26	31	26		30		28		24		26		26		17
Olive 0.059"	10	16.7	18	23	18		23		22		17		21		16		12
	15	20.5	23	28	23		28		27		20		25		20		15
	20	23.8	26	32	26	12188	32	12388	30	12588	22	12688	28	12788	21	12888	16
	25	26.9	29	34	29		35		33		24		30		24		17
	30	29.1	31	37	31		38		36		26		33		27		19
Red 0.060"	10	17.8	17	21	17		15		24		15		18		18		13
	15	21.9	21	26	21		26		26		18		22		23		15
	20	25.2	24	29	24	12158	28	12358	29	12558	21	12658	25	12758	25	12858	18
	25	28.4	27	31	27		31		32		23		28		26		19
	30	30.7	29	34	29		34		34		25		30		26		19



Rotor Spray™ Mini Sprinklers



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

Features

- 'C' Frame design for strength and high distribution uniformity.
- Full flow flipper suspended between two bearings for reliable performance.
- Inverted model incorporates special khaki colored flipper with dust cover to protect bearing.
- Six color coded nozzles to identify flow rates.
- 10-32 thread for installing into Rigid Risers, tubing & 1/2" threaded adapters.
- UV stabilized materials for long life.

Applications

Landscape areas, home gardens, nurseries, and horticultural applications.

Inverted Rotor Spray™ ideal for over-head greenhouse and nursery watering.

Ordering Information - Rotor Spray™



Rotor Spray™
10-32 UNF Thread

Inverted Rotor Spray™
10-32 UNF Thread

Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.035"	20025	50	50	12.7
0.04"	20015	50	50	12.7
0.05"	20035	50	50	12.7
0.06"	20055	50	50	12.7
0.07"	20075	50	50	12.7
0.08"	20045	50	50	12.7

Ordering Information - Inverted Rotor Spray™



Vari-Rotor Spray™
10-32 UNF Thread

Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.035"	20125	50	50	12.7
0.04"	20115	50	50	12.7
0.05"	20135	50	50	12.7
0.06"	20155	50	50	12.7
0.07"	20175	50	50	12.7
0.08"	20145	50	50	12.7

Ordering Information - Vari-Rotor Spray™

Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.06" Max	20205	25	50	12.2

Ordering Information - Micro Stake Assembly with 36" tube & adapter

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Micro Stake Assembly	54238	100	1	14.5

Specifications

Dimensions Assembled		Rotor Spray™ and Inverted Rotor Spray™	Vari-Rotor Spray™
HEIGHT		1.4"	1.8"
WIDTH		1.1"	1.1"
WEIGHT (approx.)		0.07 oz	0.12 oz
UV STABILIZED MATERIALS	FRAME	acetal	acetal
	BASE	acetal	acetal
	FLIPPER	nylon	nylon
	KNOB	-	HDPE
BASE/CONNECTION TYPE: Inlet		10-32 UNF Thread 0.16"	10-32 UNF Thread 0.16"



Micro Stake Assembly
with 36" tube & adapter

Performance



Performance			Rotor Spray™		Vari-Rotor Spray™		Inverted Rotor Spray™	
			Tested 0.65 ft above ground		Tested 0.65 ft above ground		Tested 2.6 ft above ground	Tested 6.6 ft above ground
Color & Orifice Size	Pressure (psi)	Flow (gph)	Diameter (ft)	Stream Height (in)	Diameter (ft)	Stream Height (in)	Diameter (ft)	Diameter (ft)
0.035"	15	8.1	15	10			13.2	17.9
	20	9.4	17	11			13.8	19.4
	25	10.5	17	13			13.8	20.3
0.04"	15	9.8	17	11			13.9	18.5
	20	11.7	17	12			14.8	19.4
	25	13.0	17	13			15.7	20.3
0.05"	15	16.8	19	14			13.9	19.1
	20	19.5	21	16			14.8	20.0
	25	22.0	21	21			15.7	20.9
	30	24.0	23	24			16.6	21.8
0.06"	15	22.5	23	21			14.5	20.4
	20	26.5	23	23			15.4	20.8
	25	30.0	27	27			16.0	22.2
	30	33.0	27	28			16.5	24.0
0.07"	15	27.0	25	16			15.1	21.2
	20	31.5	27	19			15.6	23.0
	25	35.5	29	21			16.3	23.9
	30	39.0	29	24			17.2	24.4
0.08"	15	32.5	25	18			15.1	21.2
	20	39.0	27	24			15.6	23.0
	25	43.5	29	27			16.3	23.9
	30	48.0	31	28			17.2	24.4
0.06" Max	15	0 - 22.0			0 - 23	0 - 21		
	20	0 - 26.0			0 - 23	0 - 23		
	25	0 - 30.0			0 - 27	0 - 27		
	30	0 - 33.0			0 - 27	0 - 28		



This product has been independently tested at 15 psi by the Center for Irrigation Technology, California State University, Fresno.



Rotor Rain™ Mini Sprinklers



Rotor Rain™
1/2" MNPT Thread

Low trajectory, large droplet mini sprinkler.

Features

- 'C' Frame design for strength and high distribution uniformity.
- Full flow flipper suspended between two bearings for reliable performance.
- Eleven color coded nozzles to identify flow rates.
- Rotor can be replaced with break-off spray deflector for close-in watering of immature trees.

Applications

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

Ordering Information - Rotor Rain™ 1/2" MNPT

Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.035"	20655	100	10	25.2
0.040"	20665	100	10	25.2
0.050"	20675	100	10	25.2
0.055"	20535	100	10	25.2
0.07"	20515	100	10	25.2
0.075"	20545	100	10	25.2
0.08"	20595	100	10	25.2
0.085"	20585	100	10	25.2
0.095"	20555	100	10	25.2
0.10"	20575	100	10	25.2
0.11"	20565	100	10	25.2

Specifications

Dimensions Assembled	Rotor Rain 1/2"	UV Stabilized Materials	Base/Connection Type
HEIGHT	2.2"	FLIPPER nylon	Inlet: Thread 1/2" MNPT
WIDTH	1.9"	FRAME acetal	
WEIGHT (approx.)	0.37 oz	NOZZLE acetal	



Performance



Performance					
			Tested 8" above ground		
Color & Orifice Size	Pressure (psi)	Flow (gph)	Diameter (ft)	Stream Height (ft)	Deflector Diameter (ft)
0.035"	15	8.0	11.5	0.8	
	20	9.3	11.8	0.8	7.0
	25	10.5	12.4	0.9	
	30	11.5	12.8	1.0	
0.040"	15	9.2	14.4	1.1	
	20	11.0	16.4	1.2	7.0
	25	12.3	18.4	1.3	
	30	13.6	20.1	1.3	
0.050"	15	14.6	14.7	1.1	
	20	16.9	16.4	1.1	7.1
	25	18.9	18.4	1.2	
	30	20.7	20.3	1.3	
0.055"	15	20.0	26.0	1.8	
	20	23.5	30.0	1.8	9.2
	25	26.5	30.0	1.8	
	30	29.2	30.0	2.1	
0.07"	15	26.5	30.0	2.2	
	20	31.0	34.0	2.4	9.2
	25	35.0	34.0	2.5	
	30	38.5	34.0	2.6	
0.075"	15	32.5	34.0	2.4	
	20	38.5	34.0	2.6	9.2
	25	44.0	34.0	2.7	
	30	49.0	34.0	2.8	
0.08"	15	40.0	30.0	2.1	
	20	47.0	34.0	2.5	9.8
	25	53.0	38.0	2.8	
	30	58.5	38.0	3.1	
0.085"	15	44.0	34.0	2.2	
	20	51.0	34.0	2.6	9.8
	25	58.0	38.0	2.8	
	30	63.5	38.0	2.9	
0.095"	15	52.5	34.0	2.2	
	20	61.0	38.0	2.7	10.5
	25	69.0	42.0	3.1	
	30	76.0	42.0	3.4	
0.10"	15	63.5	38.0	2.2	
	20	75.0	38.0	2.5	10.5
	25	85.0	38.0	2.8	
	30	94.5	40.0	3.0	
0.11"	15	70.5	38.0	2.6	
	20	83.0	42.0	2.9	13.1
	25	94.5	42.0	3.2	
	30	105.0	42.0	3.5	



This product has been independently tested by the Center for Irrigation Technology, California State University, Fresno.



Rotor Max™ Midi Sprinklers



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

Features

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

Applications

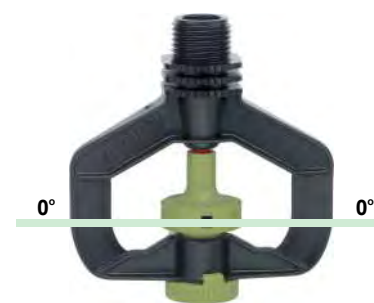
Greenhouses, vegetable row crops and under tree watering. Inverted Rotor Max™ is ideal for over-head watering in greenhouse, nursery and shade house applications. The 0° trajectory sprinkler is also suited to standard upright operation, excellent for under foliage or wind affected locations.



Rotor Max™ 1/2" Thread

Ordering Information - Rotor Max™ 1/2"

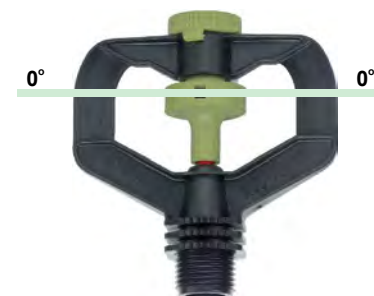
Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.08"	21075	20	10	14.1
0.095"	21085	20	10	14.1
0.11"	21055	20	10	14.1
0.13"	21005	20	10	14.1
0.15"	21065	20	10	14.1



Inverted Rotor Max™ 1/2" Thread

Ordering Information - Inverted Rotor Max™ 1/2"

Color & Orifice Size	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
0.08"	21585	20	10	14.1
0.095"	21595	20	10	14.1
0.11"	21555	20	10	14.1
0.13"	21505	20	10	14.1
0.15"	21565	20	10	14.1



Inverted Rotor Max™ 1/2" Thread
(upright position)

Specifications

Dimensions Assembled		UV Stabilized Materials		Base/Connection Type	
HEIGHT	3.8"	FRAME	polypropylene	Inlet: Thread 1/2"	
WIDTH	3.5"	SPINNER	acetal		
BREADTH	1.2"	NOZZLE	acetal		
WEIGHT (approx.)	1.3 oz	BEARING	acetal		

Color & Orifice Size	Pressure (psi)	Flow (gpm)	Upright - 25° on 0.65 ft Riser		Inverted - 0° on 6.6 ft Riser
			Diameter (ft)	Stream Height (ft)	Diameter (ft)
0.08" Yellow	15	0.6	22.0	3.2	24.0
	20	0.8	26.0	3.6	27.0
	30	0.9	29.5	3.6	29.5
	40	1.0	31.5	3.9	31.0
0.095" Green	15	1.0	25.0	3.2	27.0
	20	1.2	27.0	3.6	30.0
	30	1.4	31.5	3.6	32.5
	40	1.6	32.5	3.9	33.5
0.11" Red	15	1.3	36.0	3.0	36.0
	20	1.5	39.0	3.5	39.0
	30	1.8	43.0	4.0	43.0
	40	2.1	43.0	4.5	43.0
0.13" Black	15	1.7	36.0	3.0	36.0
	20	2.0	39.0	3.5	39.0
	30	2.4	43.0	4.0	43.0
	40	2.8	45.0	4.2	45.0
0.15" Purple	15	2.4	40.0	2.3	40.0
	20	2.8	42.0	2.7	42.0
	30	3.7	46.0	3.4	46.0
	40	4.2	45.0	3.9	45.0



This product has been independently tested
by the Australian Irrigation Technology
Centre, Report No. A95003.

Micro Fittings



Essential components in low pressure micro irrigation systems. Used in conjunction with standard low pressure tubing. Antelco fittings are practical and durable.

Features

- Micro fittings with single barb or "Quick" thread connection.
- Adapters 1/2" MNPT and FNPT suit 10-32 UNF or "Quick" thread emitters.
- UV stabilized materials for long life.

Applications

Home gardens, landscaping, greenhouses and hanging baskets.



Adapter 0.16" (F)
x 1/2" MNPT



Adapter 0.16" (F)
x 1/2" FNPT

1/2" Riser Adapter
with 1/4" barb



Adapter
"Quick" thread



Adapter barb x
10-32 UNF thread



Joiner



Joiner barb x barb
self-piercing



Elbow



Tee



Cross

Ordering Information - Adapters

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Adapter 0.16" (F) (suit 10-32 UNF) x 1/2" MNPT	41075	25	50	8.9
Adapter 0.16" (F) (suit 10-32 UNF) x 1/2" FNPT	41015	25	50	10.9
Adapter 10-32 UNF thread x thread	40915	100	50	5.5
1/2" Riser Adapter with 1/4" barb	51455	25	25	17.6

Ordering Information - Adapters

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Adapter 0.16" "Quick" thread x thread	40925	100	50	6.4
Adapter 0.16" barb x 10-32 UNF thread	40945	100	50	6.8
Adapter 0.18" barb x 10-32 UNF thread	40995	100	50	7.0

Ordering Information - Joiners

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Joiner 0.16" barb	40145	100	50	7.0
Joiner 0.18" barb	40195	100	50	8.0
Joiner 0.16" barb x barb self-piercing	40935	100	50	6.8

Ordering Information - Elbows

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Elbow 0.16" barb	40245	50	50	3.3
Elbow 0.18" barb	40295	50	50	4.1

Ordering Information - Tees

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Tee 0.16" barb	40345	50	50	4.3
Tee 0.18" barb	40395	50	50	4.3

Ordering Information - Crosses

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Cross 0.16" barb	40445	50	50	5.2
Cross 0.18" barb	40495	50	50	6.2

Micro Fittings



Essential components in low pressure micro irrigation systems. Used in conjunction with standard low pressure tubing. Antelco fittings are practical and durable.

Features

- Goof Plugs repair holes in LDPE tubing.
- Ratchet clamps secure LDPE tubing to barbed fittings.
- Saddle Clips and Clamps secure 1/4" micro tubing.
- Tidy-Bow Clip On Elbow changes the direction of 1/4" micro tubing with no need to cut the tube.

Applications

Home gardens, landscaping, greenhouses and hanging baskets.



Goof (Repair) Plugs

Ordering Information - Goof Plugs

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Goof Plugs (rack of 10)	42325	10	50	3.6



Ratchet Clamp

Ordering Information - Ratchet Clamps

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Ratchet Clamp # 15 (tube OD .590 - .630)	44305	100	50	27.3
Ratchet Clamp # 17 (tube OD .630 - .709)	44345	100	45	24.8
Ratchet Clamp # 18 (tube OD .670 - .750)	44335	100	40	22.2
Ratchet Clamp # 20 (tube OD .749 - .827)	44295	100	40	24.5
Ratchet Clamp # 22 (tube OD .827 - .906)	44315	100	35	23.4
Ratchet Clamp # 23 (tube OD .860 - .945)	44285	100	32	23.1
Ratchet Clamp # 28 (tube OD 1.06 - 1.18)	44325	100	16	22.2



Saddle Clip

Ordering Information - Saddle Clips

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Saddle Clip with nail	45355	100	50	12.8



Saddle Clamp

Ordering Information - Saddle Clamps

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Saddle Clamp 1/4"	45395	100	50	12.8



Tidy-Bow Clip On Elbow

Ordering Information - Tidy-Bow Clip On Elbow

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Tidy-Bow Clip On Elbow - Handy Pack	45342	10	50	4.0
Tidy-Bow Clip On Elbow	45345	50	100	18.3



Snap-On & Compression Fittings



A range of quick connect and compression fittings specifically to connect polyethylene irrigation tubing. Connect to tap adapters, tap timers, manifold and multi outlet distributors.

Features

- Simple to use ergonomic design.
- Tap Adapter suits snap-on connections.
- UV stabilized materials for long life.

Applications

Home gardens and landscaping applications.



Snap-On Tap Adapter



Snap-On Connector Barb



Snap-On Connector Thread 3/4" FNHT



Snap-On Joiner



Nut and Tail



Compression Tee

Compression Elbow



Figure 8 End Closure

Ordering Information - Snap-On Tap Adapters

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Snap-On Tap Adapter 3/4" FNHT	45765	25	40	16.5

Ordering Information - Snap-On Connectors

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Snap-On Connector 1/2" (tube .520 ID)	45465	25	34	26.5
Snap-On Connector 5/8" (tube .570 - .620 ID)	45475	25	32	26.4
Snap-On Connector 3/4" FNHT	44465	25	25	28.5

Ordering Information - Snap-On Joiners

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Snap-On Joiner 1/2" (tube .520 ID)	45455	25	75	15.2

Ordering Information - Snap-On Hose Kit (Not shown)

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Snap-On Hose Kit 1/2" (tube .520 ID)	52505	25	16	20.7
Snap-On Hose Kit 5/8" (tube .570 - .620 ID)	52515	25	16	20.7

Ordering Information - Nuts and Tails

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Nut and Tail with washer 3/4" BSPF x 13mm	44005	25	40	25.5
Nut and Tail with washer 3/4" BSPF x 14mm	44065	25	40	25.5
Nut and Tail with washer 3/4" BSPF x 16mm	44055	25	40	27.5

Ordering Information- Compression Fittings - 1/2" Green Insert / 5/8" Blue Insert

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2" Compression Tee (tube .520 ID x .620 OD)	51185	25	8	14.0
5/8" Compression Tee (tube .600 ID x .700 OD)	51525	25	8	14.5
1/2" Compression Elbow (tube .520 ID x .620 OD)	51195	25	10	12.3
5/8" Compression Elbow (tube .600 ID x .700 OD)	51535	25	8	10.6
1/2" Compression End Cap (tube .520 ID x .620 OD)	51215	25	10	14.0
5/8" Compression End Cap (tube .600 ID x .700 OD)	51515	25	10	14.0
1/2" Compression Coupling (tube .520 ID x .620 OD)	51175	25	10	14.0
5/8" Compression Coupling (tube .600 ID x .700 OD)	51545	25	10	14.5

Ordering Information - Figure 8 End Closure

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Figure 8 End Closure (fits tubing up to .720 OD)	51275	25	50	9.9

Take-Off Fittings



Antelco Xpando™ Take-Off Fittings are an improved method of connecting low pressure irrigation tubes and driplines to polyethylene tubes and PVC mainlines (class 200 or 160 only).

Features

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

Applications

Agricultural, horticultural, vineyard and landscape applications.



Ordering Information - Xpando™ Take-Off Adapters

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Xpando™ 10 mm inlet x 14 mm take-off	45875	25	50	13.8
Xpando™ 10 mm inlet x 15 mm take-off	45885	25	50	14.5
Xpando™ 13 mm inlet x 13 mm take-off	45605	25	50	15.6
Xpando™ 13 mm inlet x 14 mm take-off	45595	25	40	13.5
Xpando™ 13 mm inlet x 15 mm take-off	45615	25	48	17.7
Xpando™ 16 mm inlet x 16 mm take-off	45635	25	32	17.7
Xpando™ 16 mm inlet x 18 mm take-off	45585	25	32	18.0
Xpando™ 19 mm inlet x 19 mm take-off	45665	25	25	19.4
Xpando™ 19 mm inlet x 21 mm take-off	45675	25	25	18.7
Xpando™ 19 mm inlet x 25 mm take-off	45685	25	20	19.9



Xpando™ Take-Off Adapter



Capo™ Rubber Grommet

Ordering Information - Capo™ Rubber Grommets

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Capo™ Rubber Grommet 10 mm	45725	25	50	9.5
Capo™ Rubber Grommet 13 mm	45735	25	50	7.8
Capo™ Rubber Grommet 16 mm	45745	25	50	13.3
Capo™ Rubber Grommet 19 mm	45755	25	50	16.1

Ordering Information - Xpando™ Drill Bits

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Drill Bit for Xpando™ 10 mm Fittings	51838	1	1	0.1
Drill Bit for Xpando™ 13 mm Fittings	51848	1	1	0.2
Drill Bit for Xpando™ 16 mm Fittings	51858	1	1	0.3
Drill Bit for Xpando™ 19 mm Fittings	51868	1	1	0.3



Xpando™ Drill Bit



Take-Off Coupling



Take-Off Elbow

Xpando™ Take -Off Adapter	Nom. Pipe Size (min. ID)	Min. Wall Thickness	Max. Wall Thickness	Capo™ Grommet	Hole Size Grommet
Xpando™ 10 mm x 14 mm take-off	1"	0.06"	0.14"	10 mm (curved)	9/16"
Xpando™ 10 mm x 15 mm take-off					
Xpando™ 13 mm x 13 mm take-off	1 1/2"	0.06"	0.09"	13 mm	5/8"
Xpando™ 13 mm x 14 mm take-off					
Xpando™ 13 mm x 15 mm take-off					
Xpando™ 16 mm x 16 mm take-off	2"	0.06"	0.14"	16 mm	3/4"
Xpando™ 16 mm x 18 mm take-off					
Xpando™ 19 mm x 19 mm take-off	2"	0.06"	0.24"	19 mm	7/8"
Xpando™ 19 mm x 21 mm take-off					
Xpando™ 19 mm x 25 mm take-off					

Ordering Information - Take-Off Fittings LDPE (for use with 7.5mm Hole Punch - page 43)

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Take-Off Coupling 10 mm x 14 mm	46395	25	50	11.8
Take-Off Elbow 10 mm x 14 mm	46435	25	50	15.7

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

Features

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

Applications

Low pressure micro irrigation systems.

Ordering Information - DB Couplings

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DB Coupling 13 mm (tube ID .520)	47005	25	50	13.8
DB Coupling 14 mm (tube ID .530)	47015	25	40	12.8
DB Coupling 15 mm (tube ID .570)	46975	25	50	18.0
DB Coupling 16 mm (tube ID .600)	47025	25	50	18.8
DB Coupling 18 mm (tube ID .660)	47035	25	40	17.7
DB Coupling 21 mm (tube ID .805)	47045	25	30	16.8
DB Coupling 25 mm (tube ID 1.050)	46995	25	20	15.8



DB Coupling



DB Reducing Coupling



DB Elbow



DB Reducing Elbow

Ordering Information - DB Reducing Couplings

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DB Reducing Coupling 16 mm x 14 mm	47075	25	50	18.1
DB Reducing Coupling 18 mm x 14 mm	47085	25	50	20.1
DB Reducing Coupling 25 mm x 13 mm	47065	25	32	19.1
DB Reducing Coupling 25 mm x 14 mm	47105	25	32	18.8
DB Reducing Coupling 25 mm x 15 mm	47135	25	32	19.2
DB Reducing Coupling 25 mm x 16 mm	47145	25	30	18.4
DB Reducing Coupling 25 mm x 18 mm	47175	25	29	18.7

Ordering Information - DB Elbows

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DB Elbow 13 mm (tube ID .520)	47205	25	50	16.1
DB Elbow 14 mm (tube ID .530)	47215	25	50	19.6
DB Elbow 15 mm (tube ID .570)	47375	25	50	21.7
DB Elbow 16 mm (tube ID .600)	47225	25	40	18.5
DB Elbow 18 mm (tube ID .660)	47235	25	35	19.2
DB Elbow 21 mm (tube ID .805)	47245	25	20	14.6
DB Elbow 25 mm (tube ID 1.050)	47255	25	16	16.3

Ordering Information - DB Reducing Elbows

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DB Reducing Elbow 16 mm x 14 mm	47275	25	50	21.1

* Sizing chart available at www.antelco.com

DB Fittings



The DB range can be confidently installed without clamps when matched to quality low pressure poly tubing with corresponding dimensions (refer to the tubing manufacturer for confirmation of suitability or test under field conditions).

Operating pressures should not exceed 50 psi.

Ordering Information - DB Tees



DB Tee

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DB Tee 13 mm (tube ID .520)	47405	25	40	18.6
DB Tee 14 mm (tube ID .530)	47415	25	30	17.3
DB Tee 15 mm (tube ID .570)	47395	25	30	18.6
DB Tee 16 mm (tube ID .600)	47425	25	25	16.8
DB Tee 18 mm (tube ID .660)	47435	25	20	16.0
DB Tee 21 mm (tube ID .805)	47445	25	12	12.5
DB Tee 25 mm (tube ID 1.050)	47455	25	10	14.8

Ordering Information - DB Reducing Tees



DB Reducing Tee

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DB Reducing Tee 13 mm line x 4 mm branch	47765	25	50	19.6
DB Reducing Tee 14 mm line x 4 mm branch	47465	25	50	21.3

Ordering Information - DB Male Adapters



DB Male Adapter

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DB Male Adapter 13 mm x 1/2" MNPT	48035	25	50	22.8
DB Male Adapter 14 mm x 1/2" MNPT	48015	25	50	22.6
DB Male Adapter 15 mm x 1/2" MNPT	48025	25	50	22.9
DB Male Adapter 16 mm x 1/2" MNPT	48045	25	40	18.5

Ordering Information - DB End Plug



DB End Plug

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
DB End Plug 13 mm	47685	25	50	12.0
DB End Plug 14 mm	47615	25	50	13.3
DB End Plug 16 mm	47625	25	50	15.9
DB End Plug 18 mm	47635	25	50	18.5
DB End Plug 21 mm	47645	25	40	18.4



eZyvalve4™ Patented



A compact valve box with 4 internal solenoid valves that connect to a 24Vac or 9Vdc Latching irrigation controller. Installation is uncomplicated and the eZyvalve4™ provides a trouble free way to distribute water in a micro irrigation system.

Features

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

Applications

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

Performance Chart

Flow Rate (gpm)	Pressure Loss (psi)
3	5
4	9
5	14
6	20
7	27
8	34



eZyvalve4™ - 24Vac



eZyvalve4™ - 9Vdc Latch

Ordering Information - eZyvalve4™

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
eZyvalve4™ Valve Box 4 Solenoid Valves 3/4" NPT - 24Vac	16615	1	5	12.3
eZyvalve4™ Valve Box 4 Solenoid Valves 3/4" NPT - 9Vdc Latch	16635	1	5	12.3

Ordering Information - eZyvalve4™ Repair Kits

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
eZyvalve4™ Hardware Kit	16602	1	560	31.4
eZyvalve4™ Solenoid Kit	16603	1	60	17.8
eZyvalve4™ Diaphragm Kit	16604	1	125	7.0

Specifications

DIMENSIONS PACKAGED		CONNECTION TYPE	
HEIGHT	4.1 in	INLET: 3/4" NPT OUTLET: 3/4" NPT x 4 Outlets	
WIDTH	7.2 in		
DEPTH	7.2 in		
WEIGHT (approx.) - 24Vac	2 lbs 6 oz		
WEIGHT (approx.) - 9Vdc	2 lbs 9 oz		

OPERATING SPECIFICATIONS	
FLOW	0.25 gpm - 8 gpm
PRESSURE - 24Vac	3 psi - 180 psi
PRESSURE - 9Vdc	3 psi - 108 psi
AMBIENT TEMPERATURE	35°F - 140°F
ELECTRICAL - 24Vac	24Vac, inrush current 291 mA, holding current 237 mA at 60 Hz
ELECTRICAL - 9Vdc	9Vdc, inrush current 1200 mA



Pressure Regulating Devices



The Pressure Regulating Micro Manifold converts 1/2" irrigation risers to a multiple outlet micro irrigation system.

The Pressure Regulator is ideal for pressure regulation of drip or other low-volume irrigation systems.

Features: Pressure Regulating Micro Manifold

- Nine outlets pressure regulated to 25 psi.
- Outlets can support drip, micro sprays and/or micro stream bubblers.
- Inlet screen can be removed and cleaned.

Features: Pressure Regulators 3/4"

- Available in 3/4" hose or pipe thread.
- Maintains a preset outlet pressure.
- 15 psi, 25 psi & 30 psi regulators; flows from 6 to 480 gph.

Applications

Reducing mains pressure to optimum micro irrigation operating pressure.



Pressure Regulating Micro Manifold



Pressure Regulator 3/4" FNH x 3/4" MNH



Pressure Regulator 3/4" FNPT x 3/4" MNPT

Performance Chart

Pressure Regulating Micro Manifold				
Inlet Pressure (psi)	Outlet Pressure (psi)			
	0.5 gpm	1.0 gpm	2.0 gpm	3.0 gpm
30	21.6	21.0	20.8	20.2
40	22.5	22.5	22.1	21.7
60	24.8	24.5	24.1	23.5
80	26.9	26.3	25.9	25.5
100	29.1	28.3	27.8	27.3

Ordering Information - Pressure Regulating Micro Manifold

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
9 Outlet Micro Manifold	51305	10	20	23.6

Ordering Information - Lawn & Garden Pressure Regulators

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Pressure Regulator 3/4" FNH x 3/4" MNH 15 psi	51375	25	15	24.8
Pressure Regulator 3/4" FNH x 3/4" MNH 25 psi	51385	25	15	27.6
Pressure Regulator 3/4" FNPT x 3/4" MNPT 30 psi	51365	25	8	30.5

Specifications: Pressure Regulating Micro Manifold

DIMENSIONS		OPERATION		CONNECTION
HEIGHT	2.88"	Inlet Pressure	20 - 100 psi	Inlet Base 1/2" FNPT Outlet Barbs to suit 1/4" tubing
WIDTH	2.13"	Outlets Pressure	21 - 28 psi	
WEIGHT (approx.)	1.25 oz	Flow Range Total	0.2 - 3.5 gpm (12 - 210 gph)	
			(Flow per outlet max 210 gph / 9 = 23.3 gph)	

Specifications: Pressure Regulators 3/4" FNH x 3/4" MNH

DIMENSIONS		OPERATION		CONNECTION	
HEIGHT	2.7"	Outlet Pressure 15 psi & 25 psi Flow Range Total 0.1 - 8.0 gpm		Inlet Base	3/4" FNH
WIDTH	1.4"			Outlet	3/4" MNH
WEIGHT (approx.)	1.1 oz				
<ul style="list-style-type: none">• The Pressure Regulators must always be installed downstream from all shut-off valves, regardless of the application.• Regulators should be installed with vent hole unobstructed.• Do not use sealing compound (pipe dope). If needed, teflon tape may be used to seal for leaks.					

Specifications: Pressure Regulators 3/4" FNPT x 3/4" MNPT

DIMENSIONS		OPERATION		CONNECTION		
HEIGHT	3.19"	Outlets Pressure	30 psi	Inlet Base	3/4" FNPT	
WIDTH	2.50"		Flow Range Total	0.1 - 7.0 gpm	Outlet	3/4" MNPT
WEIGHT (approx.)	2.5 oz					
• The Pressure Regulators must always be installed downstream from all shut-off valves, regardless of the application.						



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

Features

- Simple on-off operation and straight through flow.
- Operating range up to 45 psi.
- Green Back® cap for standard irrigation applications.
- Purple Back™ cap for recycled water applications.

Applications

Secondary zone water diversion and flow control.

Always install as an inline valve with tubes connected to both inlet and outlet.



Vari-Flow™ Valve
barb x barb
(other options not shown
refer table)



Green Back® Valve



Purple Back™ Valve

Ordering Information - Vari-Flow™ Valves

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Vari-Flow™ Valve barb x barb 0.18"	42155	50	50	14.8
Vari-Flow™ Valve 10-32 UNF thread x 0.18" barb	42135	50	50	15.1
Vari-Flow™ Valve thread x thread 10-32 UNF	42115	50	50	14.5

Ordering Information - Green Back® Valves

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Green Back® Valve 13mm - 1/2" (tube .520 ID)	45505	25	20	21.4
Green Back® Valve 14mm - 1/2" (tube .525 - .590 ID)	45575	25	20	21.4
Green Back® Valve 15mm - 1/2" (tube .580 - .590 ID)	45555	25	20	21.4
Green Back® Valve 16mm - 5/8" (tube .570 - .620 ID)	45515	25	20	23.6
Green Back® Valve 18mm - (tube .660 - .720 ID)	45565	25	8	20.2
Green Back® Valve 19mm - (tube .748 ID)	45525	25	8	22.3
Green Back® Valve 21mm - 3/4" (tube .810 - .820 ID)	45535	25	8	20.7
Green Back® Valve 25mm - 1" (tube 1.050 ID)	45545	25	3	14.7

Ordering Information - Purple Back™ Valves

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Purple Back™ Valve 13mm - 1/2" (tube .520 ID)	46505	25	20	21.4
Purple Back™ Valve 16mm - 5/8" (tube .570 - .620 ID)	46515	25	20	23.6
Purple Back™ Valve 21mm - 3/4" (tube .810 - .820 ID)	46535	25	8	20.7
Purple Back™ Valve 25mm - 1" (tube 1.050 ID)	46545	25	3	14.7

Specifications - Vari-Flow™ Valves

Dimensions Assembled	Barb	Thread
HEIGHT	0.8"	0.8"
LENGTH	1.6"	1.6"
WIDTH	0.6"	0.6"
WEIGHT (approx.)	0.1 oz	0.1 oz
UV STABILIZED	BODY acetal	BODY acetal
MATERIALS	KNOB HDPE	KNOB HDPE
BASE/CONNECTION TYPE	BARB 0.18"	10-32 UNF thread 0.18"

Specifications - Green Back® and Purple Back™ Valves

Dimensions Assembled	13mm, 14mm 15mm, 16mm	18mm, 21mm	25mm
HEIGHT	1.6"	2.4"	2.8"
LENGTH	3.2"	3.9"	4.9"
WIDTH	1.1"	1.6"	2.1"
WEIGHT (approx.)	0.64 oz	1.7oz (18mm) / 1.8oz (21mm)	2.9 oz
UV STABILIZED	BODY acetal	BODY acetal	BODY acetal
MATERIALS	STEM polypropylene	STEM polypropylene	STEM polypropylene
	COVER acetal	COVER acetal	COVER acetal
BASE/CONNECTION TYPE	BARB	BARB	BARB



Threaded flow control valves for low pressure irrigation systems.

Features

- 1/2" MNPT and 3/4" MNPT threaded options.
- Simple on-off operation and straight through flow.
- Operating pressure range up to 45 psi.
- Green Back[®] cap for standard irrigation applications.
- Purple Back[™] cap for recycled water applications.

Applications

Individual dripline control, tank valves, drain valves or where 1/2" MNPT or 3/4" MNPT connections are required.



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

Ordering Information - Threaded Green Back[®] Valves 1/2" MNPT

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Green Back [®] Valve 13 mm barb x 1/2" MNPT	49005	25	15	18.2
Green Back [®] Valve 14 mm barb x 1/2" MNPT	49015	25	15	18.3
Green Back [®] Valve 15 mm barb x 1/2" MNPT	49025	25	15	18.6
Green Back [®] Valve 16 mm barb x 1/2" MNPT	49035	25	15	19.3



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

Ordering Information - Threaded Purple Back[™] Valves 1/2" MNPT

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Purple Back [™] Valve 13 mm barb x 1/2" MNPT	49105	25	15	18.6
Purple Back [™] Valve 14 mm barb x 1/2" MNPT	49115	25	15	18.6
Purple Back [™] Valve 15 mm barb x 1/2" MNPT	49125	25	15	18.7
Purple Back [™] Valve 16 mm barb x 1/2" MNPT	49135	25	15	19.3



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

Ordering Information - Threaded Green Back[®] Valves 3/4" MNPT

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Green Back [®] Valve 18 mm barb x 3/4" MNPT	46875	25	8	23.8
Green Back [®] Valve 21 mm barb x 3/4" MNPT	46895	25	8	23.3



Threaded Purple Back[™] Valve
3/4" MNPT

Ordering Information - Threaded Purple Back[™] Valves 3/4" MNPT

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Purple Back [™] Valve 18 mm barb x 3/4" MNPT	46915	25	8	23.8
Purple Back [™] Valve 21 mm barb x 3/4" MNPT	46935	25	8	23.3

Specifications - Threaded Valves 1/2" MNPT & 3/4" MNPT

Dimensions Assembled	1/2" MNPT	3/4" MNPT
HEIGHT	1.6"	2.4"
LENGTH	3.2"	4.0"
WIDTH	1.1"	1.6"
WEIGHT (approx.)	0.83 oz	1.9 oz
UV STABILIZED MATERIALS	BODY acetal STEM polypropylene COVER acetal	BODY acetal STEM polypropylene COVER acetal
BASE/CONNECTION TYPE	1/2" MNPT Thread x Barb	3/4" MNPT Thread x Barb



The Asta® Stake range provides a simple solution to the variety of spray heights needed in growing landscape and home gardens.

Features

- Asta® Stakes are available in four sizes; 16" and 21" provide stability and extra height.
- Install with flexible vinyl take-off tube for optimum versatility.
- Fits all .272" OD vinyl tubing or .300" PE Rigid Riser.
- Asta® Stake Adapter adapts Asta® Stake to accept 1/4" tubing & 10-32 thread emitters.
- Asta® Clip Stake anchors micro tubing.
- Asta® Stake Hold Down anchors mainline tubing.
- UV stabilized materials for long life.

Applications

Agricultural, landscape and home garden applications.

Asta® Stake
21"

Asta® Stake
16"

Asta® Stake
12"

Asta® Stake
8"

Asta® Stake
Adapter



NEW Micro
Stake

Asta® Stake
Hold-Down

Asta®
Clip Stake



Ordering Information - Asta® Stakes

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Asta® Stake 8"	40885	25	28	22.2
Asta® Stake 12"	40875	25	24	28.4
Asta® Stake 16"	40895	25	12	20.1
Asta® Stake 21"	40905	25	10	20.8

Ordering Information - Asta® Stake Adapter - to suit 10-32 thread

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Asta® Stake Adapter 0.16"(F) x 0.18" barb	41005	50	50	6.0

Ordering Information - Asta® Clip Stake

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Asta® Clip Stake - 5 3/4" (fits tubing .225 - .275 OD)	43595	25	50	12.3

Ordering Information - Asta® Stake Hold-Down

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Asta® Stake Hold-Down 7" (fits tubing 1/2" - 3/4" OD)	43615	25	24	18.0

Ordering Information - Micro Stake

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Micro Stake 0.16" (F) x 0.16" barb	53705	25	12	18.5

Stake Assemblies



Complete assemblies available for time saving convenience.

Features

- Pre-assembled with Rigid Risers or vinyl tubing for ease of installation.
- Adjustable control with Vari-Jet™ Asta® Stake Assembly.
- UV stabilized materials for long life.

Applications

Flowers and vegetable gardens and micro spray installations.

Ordering Information - Vari-Jet™ 12" Asta® Stake Assembly with 12" Rigid Riser & 0.16" barb

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
360° Vari-Jet™ Asta® Stake Assembly	50325	25	12	23.1
180° Vari-Jet™ Asta® Stake Assembly	50315	25	12	23.1
90° Vari-Jet™ Asta® Stake Assembly	50305	25	12	23.1

Ordering Information - 12" Asta® Stake with Asta® Stake Adapter

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
12" Asta® Stake with Asta® Stake Adapter	50345	25	20	25.4

Ordering Information - Asta® Stake Assembly with 24" vinyl tubing & 0.16" barb

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
12" Asta® Stake Assembly with tubing	50365	25	8	21.8
21" Asta® Stake Assembly with tubing	50388	100	1	14.2

Ordering Information - Asta® Stake Assembly with Vari-Flow™, 24" vinyl tubing & 0.16" barb

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
12" Asta® Stake Assembly w/Vari-Flow™ valve & tubing	50355	25	8	23.0

Ordering Information - Asta® MM Stake Assembly with 36" vinyl tubing & 0.16" barb

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Asta® MM Stake Assembly with 36" tubing	55455	25	10	22.0

Ordering Information - Micro Stake Assembly with 36" vinyl tubing & 0.16" barb

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Micro Stake Assembly with 36" tubing	54238	100	1	14.5



Vari-Jet™
Asta® Stake
Assembly
with 12" RR

Asta®
Stake
with
Adapter

Asta® Stake
Assembly
with 24"
tubing



Asta® MM
Stake
Assembly
with tubing

Asta® Stake
w/Vari-Flow™
Valve
& tubing

Micro Stake
Assembly
with 36"
tubing



Rigid Risers



Rigid Risers are used throughout a micro irrigation system in conjunction with emitters and fittings.

Features

- Available in four lengths - 6", 8", 12" and 18" in plain, barbed, threaded and 1/2" MNPT configuration.
- HDPE (HD) Risers suit all 10-32 UNF threaded emission devices including Shrubbler®, Bubbler, Spectrum™, Vari-Jets™, Jets and Rotor Spray™.
- Can be used in combination with Asta® Stakes or assembled with 1/2" MNPT adapter.
- Dimensions 0.160 ID x 0.300 OD.
- Operating pressure up to 50 psi.

Applications

Provides height extension to emitters in micro irrigation systems.

ACCESSORIES



Rigid Riser Plain

Rigid Riser with
barbed 0.16"
adapter

Ordering Information - High Density (HD) Risers - Plain

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
RIGID RISER (HD) 6" plain	50115	100	10	11.3
RIGID RISER (HD) 8" plain	50125	100	10	15.2
RIGID RISER (HD) 12" plain	50135	100	10	23.0
RIGID RISER (HD) 18" plain	50145	100	10	33.8

Ordering Information - High Density (HD) Risers with barbed 0.16" adapter

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Rigid Riser (HD) 6" with barbed 0.16" adapter	50215	100	10	12.4
Rigid Riser (HD) 8" with barbed 0.16" adapter	50225	100	10	15.7
Rigid Riser (HD) 12" with barbed 0.16" adapter	50235	100	10	24.2
Rigid Riser (HD) 18" with barbed 0.16" adapter	50245	100	10	34.1



Rigid Riser with
"Quick" thread
adapter

Rigid Riser with
1/2" MNPT
adapter

Ordering Information - High Density (HD) Risers with "Quick" thread adapter

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Rigid Riser (HD) 6" with "Quick" thread adapter	50715	100	10	12.5
Rigid Riser (HD) 8" with "Quick" thread adapter	50725	100	10	16.5
Rigid Riser (HD) 12" with "Quick" thread adapter	50735	100	10	23.9
Rigid Riser (HD) 18" with "Quick" thread adapter	50745	100	10	35.3

Ordering Information - High Density (HD) Risers with 1/2" MNPT adapter

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Rigid Riser (HD) 6" with 1/2" MNPT adapter	50085	50	10	9.3
Rigid Riser (HD) 8" with 1/2" MNPT adapter	50095	50	10	11.3
Rigid Riser (HD) 12" with 1/2" MNPT adapter	50065	50	10	14.6
Rigid Riser (HD) 18" with 1/2" MNPT adapter	50075	50	8	16.5

Filters



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

Features

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

Applications

For low pressure (up to 45 psi) micro irrigation systems.



Ordering Information - In-Line Filters: 80 Mesh Screen

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
In-Line Filter 1/2" barb (tube .520 ID)	44355	25	12	19.6
In-Line Filter 5/8" barb (tube .570 - .620 ID)	44365	25	10	16.8

Ordering Information - Snap-On Filters: 80 Mesh Screen

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Snap-On Filter 1/2" barb (tube .520 ID)	44405	25	12	25.7
Snap-On Filter 5/8" barb (tube .570 - .620 ID)	44415	25	10	20.5



In-Line Filter

Snap-On Filter

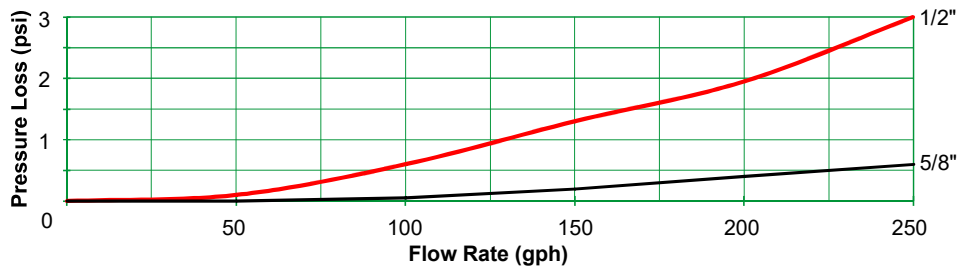


In-Line Filter screen detail



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

Pressure Loss 1/2" and 5/8" Filter



Specifications: In-Line Filter

Dimensions Assembled	1/2", 5/8"	Material		Base/Connection Type
LENGTH	5.2"	Tail Inlet	acetal	Inlet: Barb 1/2", 5/8" Outlet: Barb 1/2", 5/8"
WIDTH	1.3"	Body Filter & Nut	polypropylene	
WEIGHT (approx.)	1.0 oz	Washer	TPV rubber	
		Screen	HDPE	

Specifications: Snap-On Filter

Dimensions Assembled	1/2", 5/8"	Material		Base/Connection Type
LENGTH	5.3"	Body Snap-On Inlet	acetal	Inlet: Snap-On Connector Outlet: Barb 1/2", 5/8"
WIDTH	1.3"	Body Filter & Sleeve Snap-On	polypropylene	
WEIGHT (approx.)	1.3 oz	Washer	TPV rubber	
		Screen	HDPE	

Punches



Range of multi functional hand tools to punch holes, insert 1/4" barbed emitters and fittings and cut LDPE tubing.

Features

- Key Punch™ makes 0.12" hole in tubing. Hexagonal base to install and remove spray jets and interchange their caps.
- Miracle Punch makes 0.18" hole in 1/2" to 3/4" PE tubing.
- 2 in 1 Punch & Cutter suitable for cutting CVT and LDPE tubing up to 3/4" OD and punching holes into 1/2" and 3/4" LDPE for the installation of Drippers, Sprays, Rigid Risers and micro tube fittings.

Applications

Suitable for all micro irrigation applications.

Ordering Information - Punches

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
Key Punch™	42315	25	50	11.4
Miracle Punch	50038	1	25	4.7
2 in 1 Punch & Cutter	42378	1	95	18.9
Hole Punch 7.5 mm (for LDPE Take-Off Fittings)	51898	1	50	7.5



Key Punch™



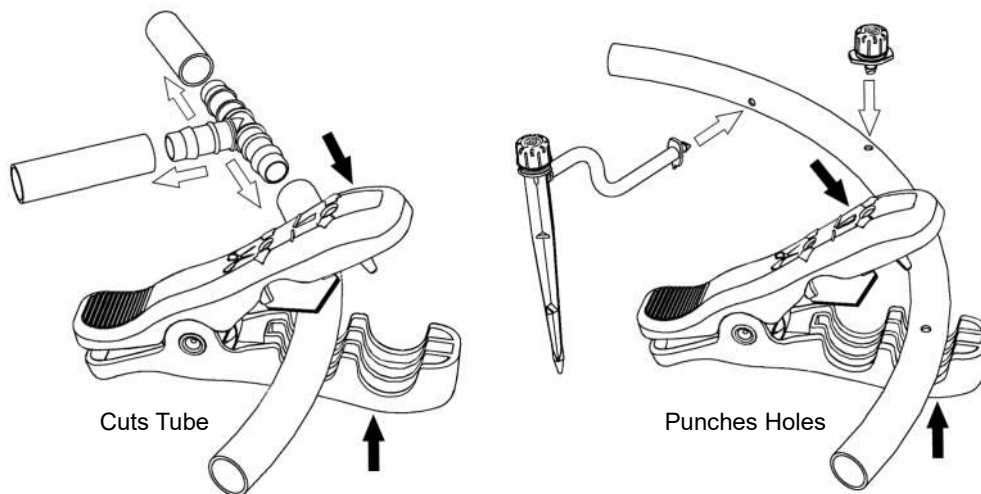
Miracle Punch



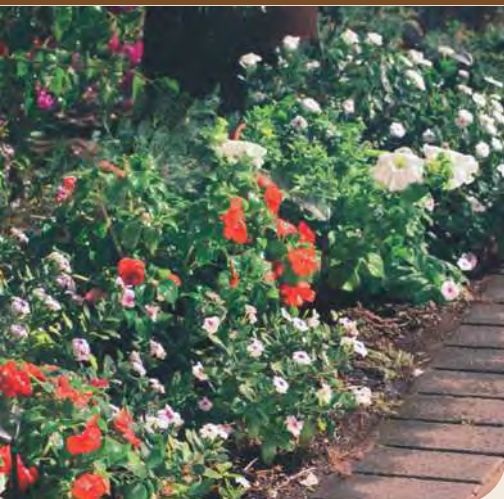
2 in 1 Punch & Cutter



Hole Punch 7.5 mm
(for LDPE Take-Off Fittings)



2 in 1 Punch & Cutter



Tubing is used throughout a micro irrigation system in conjunction with micro emitters and fittings.

Features

- Mainline tubing supplied in 50 ft lengths.
- Distribution tubing supplied in 50 ft, 100 ft and 1,000 ft lengths.
- UV stabilized materials for long life.

Applications

Suitable for all micro irrigation applications.

Ordering Information - Mainline Tubing



Mainline Tubing

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/2" Mainline Tubing P.E. 50 ft .520 ID x .620 OD (Fittings - 13 mm)	51072	1	5	10.8
5/8" Mainline Tubing P.E. 50 ft .600 ID x .700 OD (Fittings - 16 mm)	51082	1	4	10.9

Ordering Information - Distribution Tubing



Distribution Tubing

Type	Part Number	Pack Quantity	Packs Per Carton	Carton (lbs)
1/4" Distribution Tubing Vinyl 50 ft .150 ID x .225 OD	51032	1	15	10.9
1/4" Distribution Tubing Vinyl 100 ft .150 ID x .225 OD	51035	1	10	15.1
1/4" Distribution Tubing Vinyl 1000 ft .150 ID x .225 OD	51036	1	2	30.0
1/4" Distribution Tubing Vinyl 1000 ft .140 ID x .272 OD (for Asta® Assemblies)	50918	1	1	29.3

* 24" and 36" cut lengths available upon request



Drip Mate® Professional Drip Kits



The Drip Mate® Professional and Sprinkler Conversion Kits come complete with instructions and all of the essential micro drip components needed to install an efficient drip irrigation system.

Features

- The Drip Mate® Professional Drip Kit connects directly to a hose faucet or can be made to adapt to an existing sprinkler system.
- The Sprinkler Conversion Kit converts an existing 1/2" irrigation riser to drip irrigation.
- Instructions provided for easy installation.
- UV stabilized materials for long life.

Applications

Home and landscaped gardens, container plants, nurseries and flower beds.



Drip Mate® Professional Drip Kit

Ordering Information - Drip Mate® Professional Drip Kit

Type	Part Number	Packs Per Carton	Carton (lbs)
Drip Mate® Professional Drip Kit	83495	4	15.9

System Components Include:

- 50 feet 5/8" Mainline Tubing .600 ID x .700 OD
- 50 feet of 1/4" Tubing
- 25 Shrubbler® 360° Spike Adjustable Flow
- Snap-On Tap Adapter
- Snap-On Filter
- Ratchet Clamp
- Figure 8 End Closure (2)
- Goof Plug (Rack of 10)
- Key Punch™
- Elbow
- Tee



Drip Mate® Sprinkler Conversion Kit

Ordering Information - Drip Mate® Sprinkler Conversion Kit

Type	Part Number	Packs Per Carton	Carton (lbs)
Drip Mate® Sprinkler Conversion Kit	81305	5	9.9

System Components Include:

- 9-Outlet Pressure Regulating Micro Manifold w/plugs
- 100 feet of 1/4" Distribution Tubing
- 9 Shrubbler® 360° Spike Adjustable Flow



Shrubbler® 360°

Drip & Spray Starter Kits



Antelco Starter Kits are simple, complete and easy to use. They have been designed to meet your drip irrigation needs and are offered with complete instructions. The kits include all of the essential micro drip components needed to install a drip or spray irrigation system.

Features

- Kits connect directly to a hose tap or can be used in conjunction with an existing sprinkler system with a few additional components.
- Minimal assembly is required for maximum efficiency.
- Instructions provided for easy installation.
- UV stabilized materials for long life.

Applications

Suitable for home gardens, landscaped gardens, container plants, nurseries and flower beds.

Ordering Information - Drip Mate® Starter Kits

Type	Part Number	Packs Per Carton	Carton (lbs)
Drip Mate® Drip Kit with Shrubblor® 360°	81495	5	21.4
Drip Mate® Spray Kit with Spectrum™ 360°	82095	5	21.4



Drip Mate® Starter Kit

System Components Include:

- 50 feet 1/2" Mainline Tubing P.E. .520 ID x .620 OD
- 50 feet of 1/4" Tubing
- 25 Shrubblor® 360° Spike Adjustable Flow or
- 25 Spectrum™ 360° Spike Adjustable Flow
- Snap-On Tap Adapter
- Snap-On Filter
- Ratchet Clamp
- Figure 8 End Closure (2)
- Goof Plug (Pack of 10)
- Key Punch™
- Elbow
- Tee



Potstream® Kit

Ordering Information - Potstream® Kit

Type	Part Number	Packs Per Carton	Carton (lbs)
Potstream® Kit	81455	10	6.7

System Components Include:

- 25 feet of 1/4" Flexible Tube
- 5 Potstream® Adjustable Flow
- 5 Tidy Bow Elbows
- 5 0.16" Tees
- 1 Faucet Connector



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

Filtration

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

Four types of filters are used to protect irrigation systems:

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

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

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

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

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

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

Drip irrigation

Although variable, the dimensions of the smallest pathways in drip emitters are unlikely to be less than 0.024". If organic matter is present in the water at high levels, such an emitter will require protection by a 75 micron / 200 mesh filter. If there is only inorganic matter present, a 175 micron / 80 mesh screen will be adequate.

Jets and sprayers

Minimum orifice size is generally not less than 0.032", in which case a filter with a 100 micron / 150 mesh screen will cope with an organic load in the water. A 250 micron / 60 mesh screen will be adequate if only inorganic material is present.

Mini sprinklers

With minimum orifice size around 0.06", filter screen size can vary from 175 micron / 80 mesh (organic matter present) to 500 micron / 35 mesh (only inorganic matter present).

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



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

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

Misuse, neglect or unauthorized repairs shall void this warranty.

The warranty is expressly limited to Antelco Corporation products only.

Antelco Corporation products are for use in outdoor irrigation applications only, therefore Antelco Corporation shall not be liable for incidental or consequential damages of any nature. Antelco Corporation's sole liability shall be for the repair or replacement of defective parts at Antelco's sole discretion pursuant with this warranty.

This warranty applies only to Antelco Corporation products and expressly does not apply to any product used in conjunction with Antelco Corporation products.

Antelco Corporation makes no other warranties expressed or implied. No agent, distributor, representative, or anyone else has the authority to waive, alter, 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. Antelco reserves the right to redesign or modify its products without incurring further liability.

Order Acceptance

We reserve the right to accept or reject any order. Possession of Antelco Corporation's catalog or price list does not constitute an offer to sell nor a right to purchase.

Credit

A signed Antelco Corporation credit application is required prior to an account being reviewed for credit approval or discount eligibility. COD may be requested for accounts with credit applications in process.

Terms

Approved credit applications will receive terms of 2% 10 days/ Net 30 days unless specified otherwise. Past due thereafter. Accounts

may be placed on hold or terms revoked due to unsatisfactory payment.

Late Charges

A late charge, equal to 5% over the current Federal Reserve Bank Discount Rate, will automatically be assessed on all past due accounts.

Minimum Order

Minimum order amount is \$100.00 net. Any order not meeting \$100.00 net will be charged a \$15.00 minimum order handling fee.

Freight

Ground freight will be prepaid in the continental US on orders over \$1,250.00 net; Carrier of our choice. Freight will be prepaid and added on all orders under \$1,250.00 net.

Drop Shipments

A \$5.00 fee will be charged on all drop shipments.

Returned Merchandise

No returns accepted after 90 days or without prior approval and a Returned Goods Acceptance issued. Returned goods are subject to a 20% restocking fee. All returned shipments must be freight prepaid. Credit will not be given for obsolete or shopworn equipment. Returned products must be in re-sellable Antelco packaging. Special order items may not be returned for credit.

Delivery

Delivery estimates are made in good faith and are subject to government restrictions, failure by our suppliers to deliver, fires, strikes or other causes beyond our control.

Shortages

Claims for shortages or errors in shipping must be in writing and will not be recognized after seven days from the date of delivery.

Pricing

We reserve the right to change prices without notice. we will dispatch goods at the current price. Customers may request confirmation of current prices when ordering.

Other Conditions of Sales

The laws of Florida apply to all Antelco Corporation contracts and commercial dealings. When you deal with Antelco Corporation you will be understood to agree to that.

State and local laws vary widely on the subject of commercial credit interest and late charges. The Federal Usury Preemption Law currently in effect will apply to all Antelco Corporation transactions wherever applicable.

ANTELCO



PUTTING WATER WHERE IT COUNTS ![®]

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