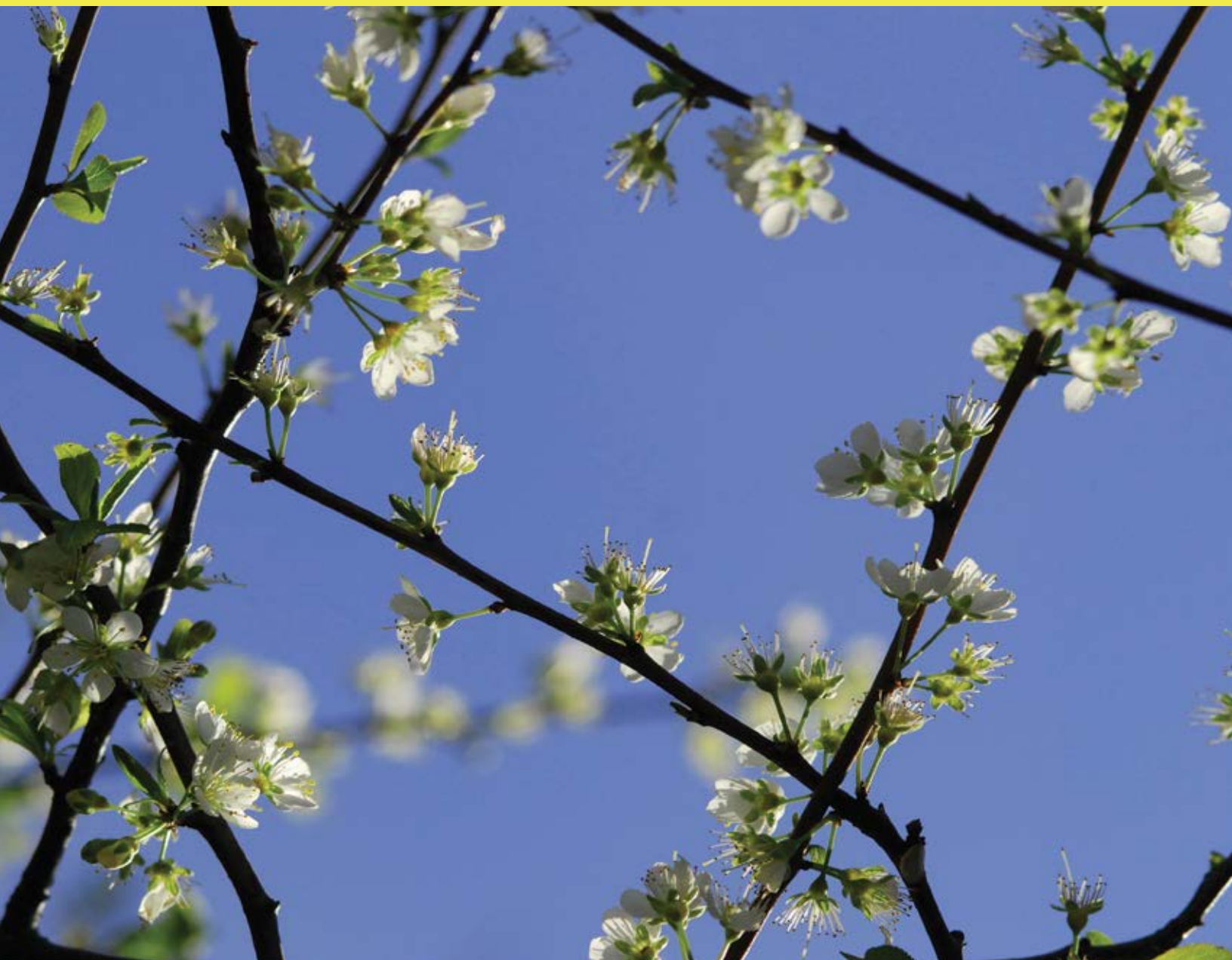


ANTELCO



PUTTING WATER WHERE IT COUNTS!®



Irrigation Equipment USA Catalog

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2017



PotStream™ Adjustable Flow

Page 2

Side mounted watering solution for potted plants and containers.



Tidy-Bow Clip On Elbow

Page 26

Simple leak proof way of redirecting and securing micro irrigation tubing.



eZyvalve®4 Valve Box - 9Vdc Latch

Page 28

Compact valve box with 4 solenoid valves that connect to 9Vdc Latching irrigation controller.



2 in 1 Punch & Cutter

Page 39

Multi-functional hand tool that prepares poly tube for the installation of emitters and fittings.



Landscape Drippers

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Agriculture Drippers

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



Features

- Finger-tip flow control with shut-off option.
- Spike model to anchor Shrubbler® at the plant.
- In-Line Spike model suits 0.16" ID connection tube.
- Barb model for direct attachment to feeder and supply lines.
- Threaded model for installation into Rigid Risers and Asta® Stakes.
- 1/2" Threaded model for riser pipe installations.

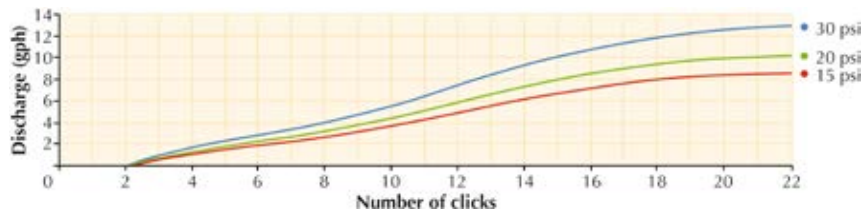
Applications

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



Performance			 360°	 180°
	PRESSURE (psi)	FLOW (gph)	DIAMETER (ft)	RADIUS (ft)
fully open (approx. 22 clicks)	15	8.7	1.2	1.2
	20	10.3	1.9	1.5
	30	13.0	3.0	2.0

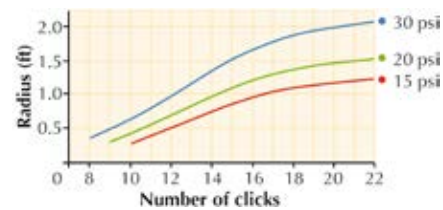
Flow Rate 360° & 180°



Diameter of Throw 360°



Radius of Throw 180°



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

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 see page 4

NEW

PotStream™ Adjustable Flow Patent Pending



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 6" to 24" diameter pots.
- Suits pot wall thickness up to 1.57".
- Side mounted installation for clean and tidy location of supply tube.
- Low application rate and gentle stream pattern.
- Easily adjustable knob for varying spray patterns.

Applications

Potted plants, planter boxes and containers.

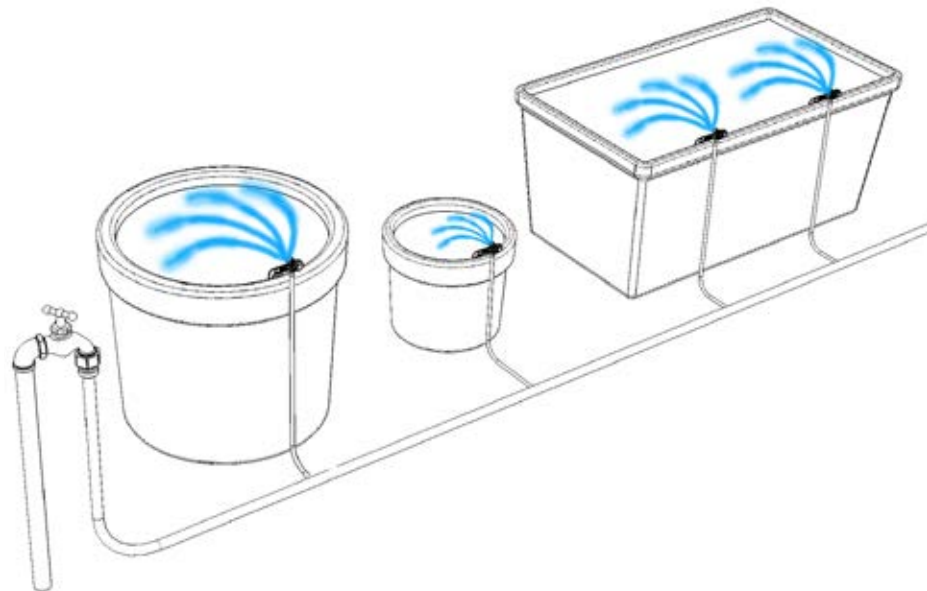


PotStream™
Adjustable Flow

Performance		
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
30	0 - 8.3	0 - 11.0
35	0 - 9.1	0 - 11.8
40	0 - 9.7	0 - 12.4

PotStream™ Adjustable Flow

TYPE	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				



Shrubbler® 360° Pressure Compensating Patented



A Pressure Compensating, fixed diameter drip emitter. Gentle flow action with uniform coverage for all emitters on same supply tube.

Features


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

Applications

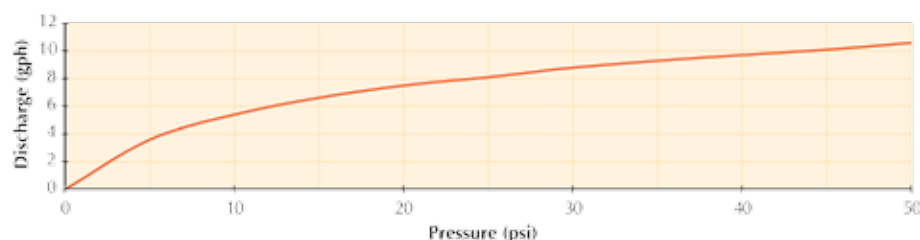
Pots, planter boxes, balcony, patio and landscape applications.



Shrubbler® 360° PC
Barb 0.16"

Performance			 360°
NOMINAL FLOW	PRESSURE (psi)	FLOW (gph)	DIAMETER (in)
6 gph	15	6.6	10.2
	20	7.5	11.8
	30	8.8	14.0
	35	9.3	14.6
	40	9.7	15.0

Flow Rate 360°



Shrubbler® 360° Pressure Compensating

BASE TYPE	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 CAP DIAPHRAGM	polypropylene polypropylene silicone	polypropylene polypropylene silicone
BASE/CONNECTION TYPE: Inlet		BARB 0.16"	BARB 0.16"



Shrubbler® 360° PC
Spike with 0.16" inlet

Mini Bubbler 360° Adjustable Flow



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

Features

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

Applications

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



Mini Bubbler
Spike with 0.16"
inlet and Adapter



Mini Bubbler
Barb 0.16"

Mini Bubbler
Thread 10-32 UNF



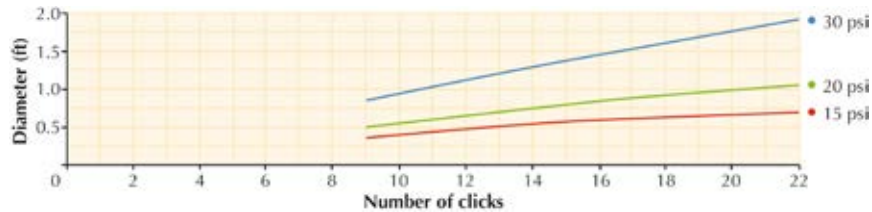
Mini Bubbler
Thread 1/2" FNPT

Performance		360°	
	PRESSURE (psi)	FLOW (gph)	DIAMETER (ft)
fully open (approx. 22 clicks)	15	27.0	0.69
	20	30.1	1.05
	30	35.0	1.89

Flow Rate



Diameter of Throw



Mini Bubbler 360°

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: Shrubbler® and 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 CAP	polypropylene	acetal	polypropylene	polypropylene
BASE/CONNECTION TYPE: Inlet		BARB 0.16"	10-32 UNF THREAD	THREAD 1/2" FNPT	BARB 0.16"



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 and flowers, fruit trees, vines and vegetables.

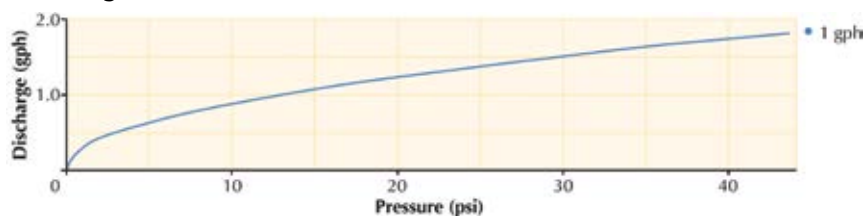


Midi Drip™
Spike with
0.16" inlet

Performance		1 gph
PRESSURE (psi)	DISCHARGE (gph)	
5	0.62	
10	0.88	
15	1.07	
20	1.24	
25	1.39	
MINIMUM CROSS SECTION (inch)		0.025 x 0.020

* C_v for all Midi Drip™ emitters conforms to ISO 9261

Discharge Rate



Midi Drip™ Emitters 1 gph Nominal Discharge

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 MATERIAL	BASE/CONNECTION TYPE
HEIGHT	0.7"	4.9"	BODY polypropylene	Inlet: BARB 0.16"
LENGTH	1.4"	2.0"	KEY polypropylene	
WIDTH	0.35"	0.35"	SPIKE polypropylene	
WEIGHT (approx)	0.053 oz	0.163 oz		



A PC spike dripper with turbulent flow path, sealed to maintain pre-set discharge rates and uniformity. A nursery and landscape spike dripper that delivers precise amounts of water direct to the plant root zone.

Features

- Registered design
- Three color coded flow rates: 1/2 gph, 1 gph & 2 gph.
- Turbulent flow path and self-flushing action with insect baffle to minimize blockages.
- Inlet barb has built-in filter.
- Outlet suitable for attaching 0.16" micro tube.
- UV stabilized materials for long life

Applications

Nurseries, shade houses, tree lots and landscape applications.

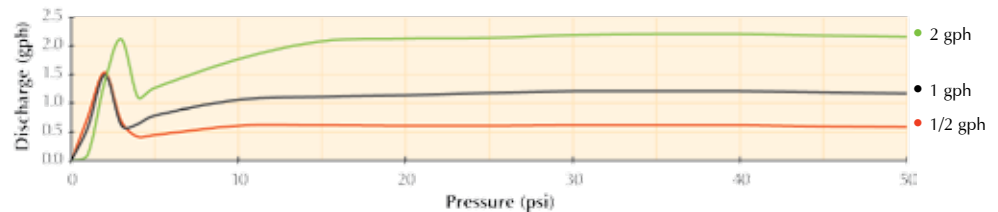
Performance	DISCHARGE (gph)		
	1/2 gph	1 gph	2 gph
Pressure (psi)			
5	0.45	0.79	1.27
10	0.61	1.06	1.77
15	0.62	1.11	2.08
20	0.61	1.14	2.13
25	0.61	1.18	2.14
MINIMUM CROSS SECTION (inch)	0.027 x 0.024	0.031 x 0.031	0.047 x 0.035

* C_v for all Asta Drip® emitters conforms to ISO 9261

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

Asta® Drip
PC 1 gph
Spike with
0.16" inlet

Discharge Rate: Asta® Drip PC



Asta® Drip PC

NOMINAL FLOW	BASE COLOR	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
1/2 gph	Red	30735	25	50	15.9
1 gph	Black	30745	25	50	15.9
2 gph	Green	30755	25	50	15.9

Specifications

DIMENSIONS ASSEMBLED		UV STABILIZED MATERIAL		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)	0.17 oz				

Asta® Drip
PC 2 gph
Spike with
0.16" inlet



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

Features

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

Applications

Pots, patios and landscape applications.



DripPets® Frog
1 gph PC



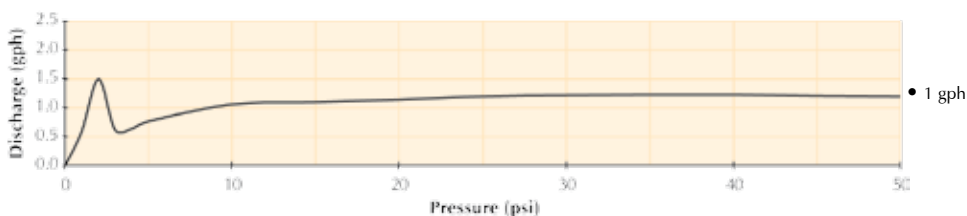
DripPets® Ladybug
1 gph PC



DripPets® Frog
Retail Box

Performance		1 gph
PRESSURE (psi)	DISCHARGE (gph)	
5	0.77	
10	1.06	
15	1.10	
20	1.14	
25	1.20	

Discharge Rate: DripPets®



DripPets® 1 gph Pressure Compensating

TYPE	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 MATERIAL		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		



A turbulent flow, Pressure Compensating dripper available in 3 flows.

Features

- Take-Apart for easy inspection and cleaning.
- Self-flushing action with insect baffle to minimize blockages.
- PC barbed dripper range: 1/2 gph, 1 gph & 2 gph with 0.16" spout.
- Also available with 0.12" & 0.16" barb outlets.
- Colored bases to identify flow rates.
- 1 gph PC Spike and In-Line Spike models to anchor CETA® at the plant.

Applications

Pots, planter boxes, balcony patio and landscape applications.



CETA® PC
1 gph Spike
with 0.16" Inlet

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

Performance	DISCHARGE (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

* C_v for all CETA® PC emitters conforms to ISO 9261

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

CETA® PC with 0.12" Barb Outlet

NOMINAL FLOW	BASE COLOR	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
1/2 gph	Red	30515	100	50	24.3
1 gph	Black	30525	100	50	24.3
2 gph	Green	30535	100	50	24.3

CETA® PC with 0.16" Barb Outlet

NOMINAL FLOW	BASE COLOR	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
1/2 gph	Red	30545	100	50	24.3
1 gph	Black	30555	100	50	24.3
2 gph	Green	30565	100	50	24.3



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

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

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

Specifications

DIMENSIONS		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 CAP DIAPHRAGM ADAPTER	polypropylene polypropylene silicone acetal	polypropylene polypropylene silicone
CONNECTION TYPE: Inlet Outlet		BARB 0.16" BARB 0.12" or 0.16"	BARB 0.16" SPOUT 0.16"



A pressure compensating (PC) dripper with a turbulent flow path.

Features

- Low manufacturing coefficient of variation (Cv) 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.
- Insect Baffle to deter insect entry.
- Self piercing inlet barb with built in filter.
- Outlet suitable for attaching 0.16" micro tube.
- Constructed of high quality UV and chemical resistant materials.

Applications

Vineyards, Orchards, Row Crops and Landscape.



CETA®
PC 1/2 gph
Barb 0.16"

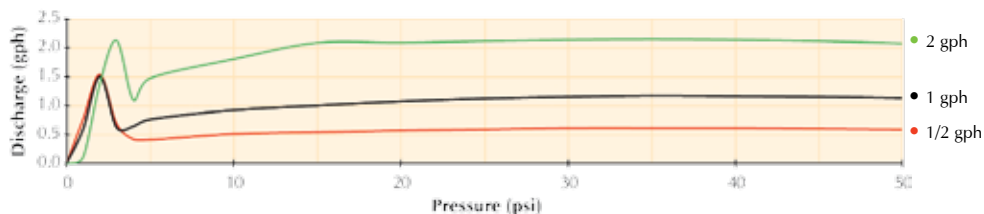
Performance	DISCHARGE (gph)		
	1/2 gph	1 gph	2 gph
5	0.41	0.76	1.47
10	0.51	0.92	1.80
15	0.54	1.00	2.08
20	0.57	1.07	2.08
25	0.59	1.12	2.11

* C_v for all CETA® PC emitters conforms to ISO 9261



CETA®
PC 1 gph
Barb 0.16"

Discharge Rate: CETA® PC



CETA® PC

NOMINAL FLOW	BASE COLOR	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
1/2 gph	Red	30425	100	50	15.6
1 gph	Black	30445	100	50	15.6
2 gph	Green	30485	100	50	15.6



CETA®
PC 2 gph
Barb 0.16"

Specifications

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

Pinch Drip™ Pressure Compensating



A pressure compensating (PC) dripper with a turbulent flow path, sealed to maintain pre-set discharge rates and uniformity. Low Profile ergonomic design to minimize dislodgement and for ease of installation.

Features

- Low manufacturing coefficient of variation (Cv) 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.
- Self flushing action at low pressure.
- Insect Baffle to deter insect entry.
- Self piercing inlet barb with built in filter.
- Outlet suitable for attaching 0.16" micro tube.
- Constructed of high quality UV and chemical resistant materials.

Applications

Vineyards, Orchards, Row Crops and Landscape.

AGRICULTURE
DRIPPERS



Pinch Drip™
PC 1/2 gph
Barb 0.16"

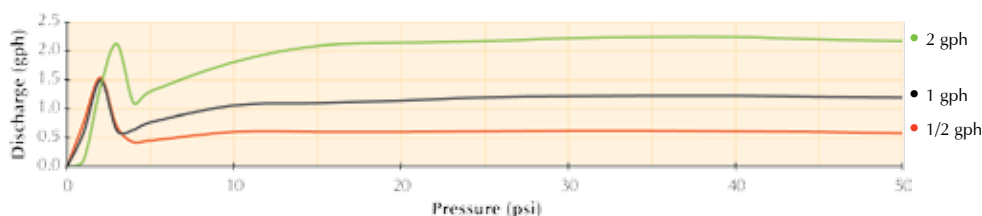
Performance PRESSURE (psi)	DISCHARGE (gph)		
	1/2 gph	1 gph	2 gph
5	0.45	0.77	1.30
10	0.60	1.06	1.81
15	0.60	1.10	2.09
20	0.60	1.14	2.14
25	0.61	1.20	2.17
MINIMUM CROSS SECTION (inch)	0.027 x 0.024	0.031 x 0.031	0.047 x 0.035

* C_v for all Pinch Drip™ emitters conforms to ISO 9261



Pinch Drip™
PC 1 gph
Barb 0.16"

Discharge Rate: Pinch Drip™ PC



Pinch Drip™ PC

NOMINAL FLOW	BASE COLOR	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
1/2 gph	Red	30705	100	50	13.4
1 gph	Black	30715	100	50	13.4
2 gph	Green	30725	100	50	13.4

Specifications

DIMENSIONS ASSEMBLED		UV STABILIZED MATERIAL	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)	1.2 oz		



Pinch Drip™
PC 2 gph
Barb 0.16"

A turbulent flow path dripper available in standard and Pressure Compensating models, sealed to maintain pre-set discharge rates and uniformity.

Features

- Standard range: 1/2 gph, 1 gph and 2 gph.
- Pressure Compensating range: 1/2 gph, 1 gph & 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™
Standard Emitter

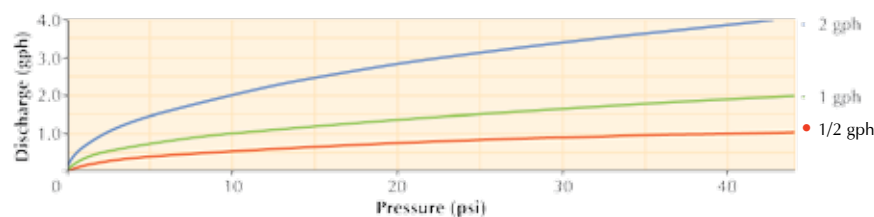


Agri Drip™ Pressure
Compensating Emitter

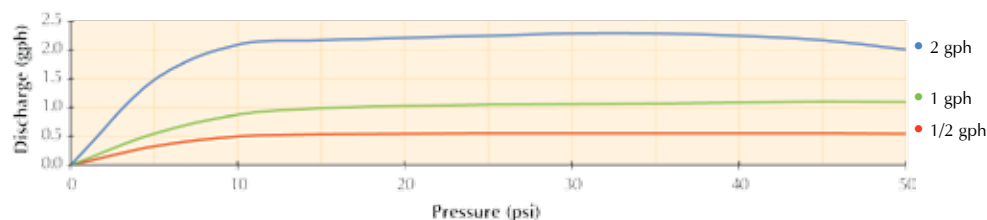
Performance	STANDARD DISCHARGE (gph)			PRESSURE (psi)	COMPENSATING DISCHARGE (gph)		
	1/2 gph	1 gph	2 gph		1/2 gph	1 gph	2 gph
5	0.36	0.70	1.44	15	0.54	0.99	2.17
10	0.50	0.96	2.00	20	0.55	1.03	2.21
15	0.61	1.18	2.42	25	0.56	1.05	2.25
20	0.70	1.35	2.77	35	0.56	1.07	2.29
25	0.78	1.50	3.08	45	0.56	1.11	2.17
MINIMUM CROSS SECTION (inch)	0.035x0.028	0.050x0.032	0.073x0.043		0.027x0.025	0.03x0.03	0.027x0.039

* C_v for all Agri Drip® emitters conforms to ISO 9261

Discharge Rate: Standard Drip Emitters



Discharge Rate: Pressure Compensating Drip Emitters



Agri Drip™ Standard Drip Emitters

NOMINAL FLOW	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

Agri Drip™ Pressure Compensating Drip Emitters

NOMINAL 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



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

Specifications

DIMENSIONS ASSEMBLED		UV STABILIZED MATERIAL	BASE/CONNECTION TYPE
HEIGHT	0.9"	BASE polypropylene	Inlet: BARB 0.16"
DIAMETER	0.8"	CAP polypropylene	Outlet: PUSH FIT 0.16"
WEIGHT (approx)	0.039 oz	DISK silicone rubber	

Spectrum™ 360° Adjustable Flow



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


Features

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

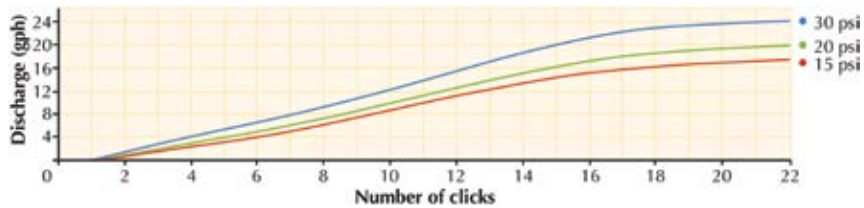
Applications

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

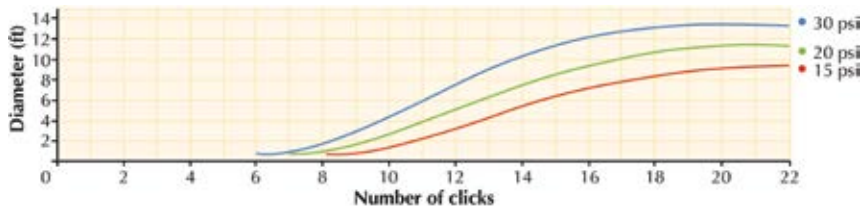


Performance		 360°	
	PRESSURE (psi)	FLOW (gph)	DIAMETER (ft)
fully open (approx. 22 clicks)	15	17.3	9.4
	20	19.8	11.2
	30	24.3	13.3

Flow Rate



Diameter of Throw



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 CAP DEFLECTOR	polypropylene polypropylene acetal	acetal polypropylene acetal	polypropylene polypropylene acetal	polypropylene polypropylene acetal
BASE/CONNECTION TYPE: Inlet		BARB 0.16"	10-32 UNF THREAD	THREAD 1/2" FNPT	BARB 0.16"



Valve adjusts flow and coverage.

Features

- Choice of spray patterns.
- Threaded for installation on 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.







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



Vari-Jet™
180° fan
10-32 UNF Thread



Vari-Jet™ Mist Flex Spray Assembly

Performance						
*Minimum Opening Size			0.02"	0.05"	0.06"	0.06"
BASE & ORIFICE SIZE	PRESSURE (psi)	FLOW (gph)	DIAMETER OF THROW (ft)		RADIUS OF THROW (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™

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

Vari-Jet™ Mist Flex Spray Assembly

TYPE	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 MATERIAL	BASE/CONNECTION TYPE
HEIGHT	2.0"	CAP acetal	Inlet: 10-32 UNF THREAD
WIDTH	0.9"	BASE acetal	
WEIGHT (approx)	0.14 oz		

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.

Applications




Home and landscaped gardens and horticultural applications.



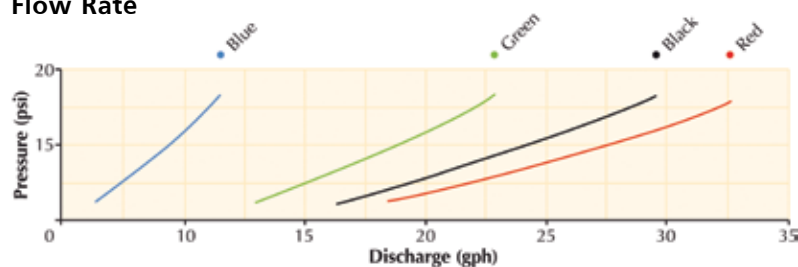
Single
Piece Jets
360°

Single
Piece Jets
180°

Single
Piece Jets
90°

Performance					
COLOR AND 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

Flow Rate



Single Piece Jet

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		

Micro Spray Jets: Caps and Bases



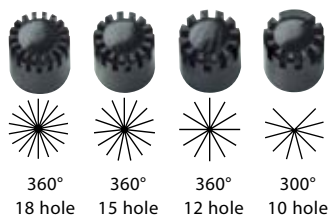
A large combination of flow rates and spray patterns is achievable when the range of caps and bases are assembled into two piece jets.

Features

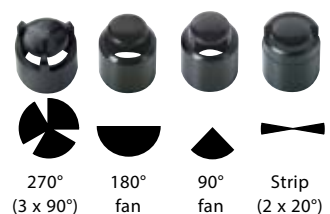
- Caps available in eight spray patterns.
- Eight color coded bases to identify flow rate.
- Jet assemblies made to order.
- Caps and bases can be ordered separately.
- Available in 10-32 Hex and Winged "Quick" thread.

Applications

Assemblies suit garden bed watering and landscaped areas.



360° 18 hole 360° 15 hole 360° 12 hole 300° 10 hole



270° (3 x 90°) fan 180° fan 90° fan Strip (2 x 20°)

Hexagon Jet
Base 10-32
UNF Thread

Winged Jet
Base with "Quick"
Thread



0.06"



0.03"

Spray Caps

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

Jet Bases

COLOR	BASE		PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
	ORIFICE SIZE	TYPE				
Black	0.03"	Hexagon	10905	100	50	5.6
Brown	0.035"	Hexagon	10925	100	50	5.6
Blue	0.04"	Hexagon	10915	100	50	5.6
Green	0.05"	Hexagon	10935	100	50	5.6
Red	0.06"	Hexagon	10955	100	50	5.6
Orange	0.07"	Hexagon	10975	100	50	5.6
Gray	0.08"	Hexagon	10945	100	50	5.6
White	0.09"	Hexagon	10985	100	50	5.6
Black	0.03"	Winged	10705	100	50	6.5
Brown	0.035"	Winged	10725	100	50	6.5
Blue	0.04"	Winged	10715	100	50	6.5
Green	0.05"	Winged	10735	100	50	6.5
Red	0.06"	Winged	10755	100	50	6.5

Specifications

DIMENSIONS	CAP	BASE WINGED	BASE HEXAGON
HEIGHT	0.35"	0.8"	0.8"
WIDTH	0.32"	across wings 0.5"	across flats 0.5"
WEIGHT (approx)	0.007 oz	0.02 oz	0.02 oz
UV STABILIZED MATERIALS	acetal	acetal	acetal
BASE/CONNECTION TYPE: Inlet		"QUICK" THREAD 0.16"	10-32 UNF THREAD

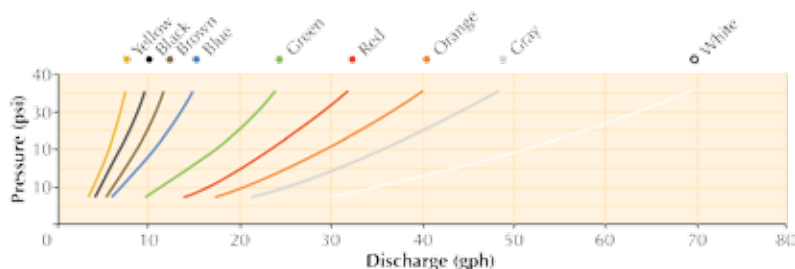
Micro Spray Jets: Performance & Flow Rates



Performance											
*Minimum opening size			0.02"	0.02"	0.03"	0.03"	0.05"	0.05"	0.06"	0.06"	0.05"
BASE COLOR & ORIFICE SIZE	PRESS. (psi)	FLOW (gph)	DIAMETER (ft)						RADIUS (ft)		DIAMETER (ft)
Black 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	
Brown 0.035"	10	6.1	10.8	10.2	9.7	9.7	8.5	11.5	4.7	4.8	
	15	7.5	13.3	12.6	11.3	13.4	11.2	15.5	6.1	5.3	
	20	8.6	15.1	14.1	13.1	16.4	10.8	18.7	7.6	5.7	
	25	9.6	16.9	15.0	15.0	19.5	9.8	21.4	8.2	5.9	
	30	10.5	18.6	16.8	17.6	22.0	9.4	22.5	8.6	6.3	
Blue 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	
Green 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	
Red 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	
Orange 0.07"	10	20.0	18.5	18.6	20.1	18.3	12.8	19.6	6.6	6.8	
	15	25.0	22.5	22.9	25.4	24.7	13.9	26.9	8.0	8.0	
	20	29.0	25.6	27.6	29.6	28.2	14.8	26.9	9.0	8.7	
	25	33.0	26.5	30.6	32.6	30.6	15.7	32.9	9.8	9.7	
	30	36.5	25.0	33.7	35.8	33.2	10.3	36.1	10.3	10.3	
Gray 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	
White 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	
Yellow 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.

Flow Rate





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

Micro Spray Jets Assembled

TYPE	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°)



360° Mist Jet

360° x 18 hole

Mist Jets Assembled

TYPE	BASE COLOR	CAP COLOR	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
MIST JET – Hexagon Base	Yellow	Black	11995	100	50	8.9
MIST JET – Winged Base	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 CAP	acetal acetal	acetal acetal
BASE/CONNECTION TYPE: Inlet		"QUICK" THREAD 0.16"	10-32 UNF THREAD
Dimensions vary slightly depending on selected base and cap assembly.			



The 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.
- UV stabilized for long life.

Applications

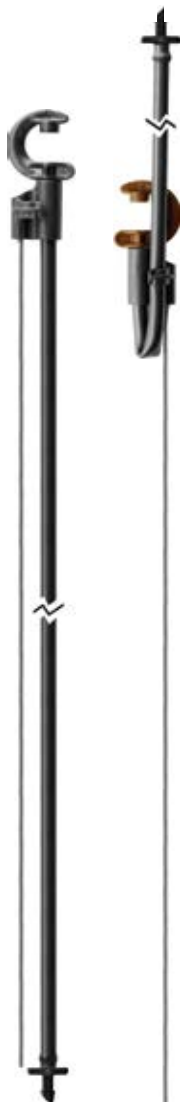
Nurseries, tree lots, potted plants, home and landscaped gardens.




CFd®
Downspray
Black

CFd®
Downspray
Brown

CFd®
Downspray
Blue



CFd® Downspray
Wire Stake Assembly

Performance		 360°	
COLOR AND ORIFICE SIZE	PRESSURE (psi)	FLOW (gph)	DIAMETER (in)
Black 0.032"	10	4.8	24
	15	6.0	24
	20	7.2	20
Brown 0.035"	10	6.0	24
	15	7.5	20
	20	8.6	20
Blue 0.039"	10	7.0	24
	15	8.9	20
	20	10.5	20

CFd® Downspray

COLOR	ORIFICE SIZE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
Black	0.032"	19005	100	50	18.1
Brown	0.035"	19025	100	50	18.1
Blue	0.039"	19015	100	50	18.1

CFd® Downspray Galvanized Wire Stake Assembly with Shut-Off Clip

COLOR	TUBE LENGTH	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
Black	36"	54305	25	12	20.1
Brown	36"	54325	25	12	20.1
Blue	36"	54315	25	12	20.1

Specifications

DIMENSIONS ASSEMBLED		CFd® DOWNSPRAY	CFd® DOWNSPRAY WIRE STAKE ASSEMBLY
HEIGHT		1.3"	37.4"
WIDTH		1.0"	1.0"
DEPTH		0.3"	0.6"
WEIGHT (approx)		0.05 oz	1.00 oz
UV STABILIZED MATERIALS	FRAME STAKE ADAPTER OFF-TAKE TUBE BARB ADAPTER STAKE	acetal	acetal polypropylene PEVA acetal galvanized steel
BASE/CONNECTION TYPE: Inlet		"QUICK" THREAD WITH SEALING BARB 0.16"	BARB 0.16"



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.

Applications

Specifically designed for orchards, vineyards and horticultural crops.

Frame Jets™ and Deflector

PACKAGING	PART NUMBER	MINIMUM ORDER	STANDARD CARTON	CARTON (lbs)
FRAME JETS™	Refer to page 20	1000	6000	26.9
DEFLECTOR	12998	1000	6000	27.0



Frame Jet™
210° x 8 Pattern



Deflector for
Frame Jet™



Deflector attached
to Frame Jet™
Butterfly Pattern

Specifications

DIMENSIONS ASSEMBLED		UV STABILIZED MATERIAL		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 dispatch. Urgent orders by arrangement.
Optional 10-32 UNF thread available upon request.
Smaller quantities may be available upon request.



Performance and Order Codes



PERFORMANCE		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	Pattern	Trajectory		26° High 12.5° Low		22°		12.5°		22°		12.5°		22°	
		Pressure (psi)	Flow (gph)	Part Number	Diameter (ft) High	Part Number	Diameter (ft) Low	Part Number	Diameter (ft)	Part Number	Diameter (ft)	Part Number	Diameter (ft) Length	Part Number	Diameter (ft) Width
Black 0.030"		10	4.9		13	10	10		9		10		11		6
		15	5.9		16	12	11		11		13		13		7
		20	6.9	12108	17	13	12		12		14		15	12708	8
		25	7.6		18	14	13		13		15		16		9
Orange 0.034"		30	8.3		18	15	13		13		16		17		9
		10	5.4		13	11	15		10		12		12		7
		15	6.7		16	13	18		11		14		14		8
		20	7.7	12178	18	14	19		12		16		16	12778	9
Brown 0.035"		25	8.5		19	16	20		13		17		17		10
		30	9.3		20	17	22		14		18		18		11
		10	6.1		14	11	13		10		12		14		7
		15	7.5		17	14	15		12		15		15		9
Blue 0.040"		20	8.7	12128	19	15	16		14		15		17	12728	10
		25	9.7		20	16	17		15		17		18		11
		30	10.5		21	17	18		15		19		19		11
		10	7.9		16	13	15		11		13		15		8
Purple 0.045"		15	9.9		18	16	17		13		16		17		10
		20	11.3	12118	20	17	19		15		18		17	12718	11
		25	12.6		22	19	20		17		19		19		12
		30	13.8		24	21	21		18		20		20		13
Gray 0.048"		10	10.0		18	15	24		12		15		15		9
		15	12.3		21	17	26		15		20		17		11
		20	14.3	12168	24	20	29		17		21		21	12768	13
		25	15.9		26	22	32		18		23		23		14
Green 0.050"		30	17.3		28	23	34		19		25		25		15
		10	11.4		20	16	20		14		18		16		10
		15	14.2		24	20	25		17		21		19		12
		20	16.2	12148	27	22	27		18		24		21	12748	13
Olive 0.059"		25	18.2		29	24	29		20		26		23		15
		30	19.7		31	26	31		21		27		24		16
		10	13.0		20	16	19		14		16		17		11
		15	16.0		24	20	21		17		20		19		13
Red 0.060"		20	18.5	12138	27	22	22		19		22		23	12738	15
		25	20.7		29	24	26		22		24		25		16
		30	22.5		31	26	28		24		26		26		17
		10	16.7		23	18	22		17		21		16		12
Red 0.060"		15	20.5		28	23	27		20		25		20		15
		20	23.8	12188	32	26	30		22		28		21	12788	16
		25	26.9		34	29	33		24		30		24		17
		30	29.1		37	31	36		26		33		27		19
Red 0.060"		10	17.8		21	17	24		15		18		18		13
		15	21.9		26	21	26		18		22		23		15
		20	25.2	12158	29	24	29		21		25		25	12758	18
		25	28.4		31	27	32		23		28		26		19
Red 0.060"		30	30.7		34	29	34		25		30		26		19



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

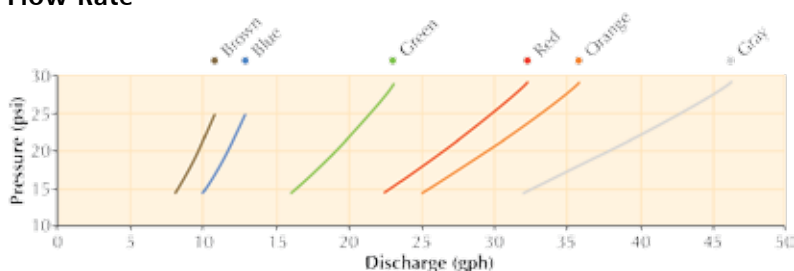
Features

- '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 and 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.

Flow Rate



Rotor Spray™
10-32 UNF Thread



Inverted Rotor Spray™
10-32 UNF Thread



Vari-Rotor Spray™
10-32 UNF Thread

Rotor Spray™

COLOR	BASE		PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
	ORIFICE SIZE	BASE TYPE				
Brown	0.035"	10-32 UNF	20025	50	50	12.7
Blue	0.04"	10-32 UNF	20015	50	50	12.7
Green	0.05"	10-32 UNF	20035	50	50	12.7
Red	0.06"	10-32 UNF	20055	50	50	12.7
Orange	0.07"	10-32 UNF	20075	50	50	12.7
Gray	0.08"	10-32 UNF	20045	50	50	12.7

Inverted Rotor Spray™

COLOR	BASE		PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
	ORIFICE SIZE	BASE TYPE				
Brown	0.035"	10-32 UNF	20125	50	50	12.7
Blue	0.04"	10-32 UNF	20115	50	50	12.7
Green	0.05"	10-32 UNF	20135	50	50	12.7
Red	0.06"	10-32 UNF	20155	50	50	12.7
Orange	0.07"	10-32 UNF	20175	50	50	12.7
Gray	0.08"	10-32 UNF	20145	50	50	12.7

Vari-Rotor Spray™

COLOR	BASE		PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
	ORIFICE SIZE	BASE TYPE				
Black	0.06" Max	10-32 UNF	20205	25	50	12.2



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



Rotor Spray™
10-32 UNF Thread



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
BASE COLOR & ORIFICE SIZE	PRESS. (psi)	FLOW (gph)	DIAMETER (ft)	STREAM HEIGHT (inch)	DIAMETER (ft)	STREAM HEIGHT (inch)	DIAMETER (ft)	DIAMETER (ft)
Brown 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
Blue 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
Green 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
Red 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
Orange 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
Gray 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
Black max 0.06"	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		

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"





Low trajectory, large droplet mini sprinkler.

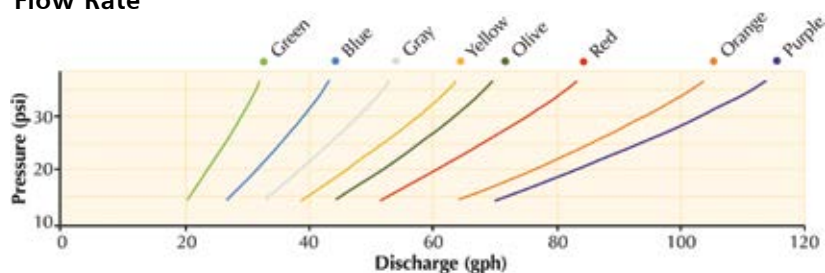
Features

- 'C' Frame design for strength and high distribution uniformity.
- Full flow flipper suspended between two bearings for reliable performance.
- Eight 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.

Flow Rate



Rotor Rain® 1/2" Thread

Rotor Rain® 1/2" MNPT

NOZZLE		PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
COLOR	ORIFICE SIZE				
Green	0.055"	20535	100	10	25.2
Blue	0.07"	20515	100	10	25.2
Gray	0.075"	20545	100	10	25.2
Yellow	0.08"	20595	100	10	25.2
Olive	0.085"	20585	100	10	25.2
Red	0.095"	20555	100	10	25.2
Orange	0.10"	20575	100	10	25.2
Purple	0.11"	20565	100	10	25.2

Specifications

DIMENSIONS ASSEMBLED	ROTOR RAIN® 1/2"	UV STABILIZED MATERIAL	BASE/CONNECTION TYPE
WIDTH	1.8"	FLIPPER	Inlet: THREAD 1/2" MNPT
HEIGHT	1.9"	FRAME	
WEIGHT (approx)	0.37 oz	NOZZLE	



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

Performance			 Tested 8" above ground		
			DIAMETER (ft)	STREAM HEIGHT (ft)	DEFLECTOR DIAMETER (ft)
Green 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	
Blue 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	
Gray 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	
Yellow 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	
Olive 0.085"	15	44.0	34.0	2.3	
	20	51.0	34.0	2.6	9.8
	25	58.0	38.0	2.8	
	30	63.5	38.0	2.9	
Red 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	
Orange 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	
Purple 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	





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

Features

- Dual outlet spinner enhances performance.
- Standard model has a 25° trajectory, black colored spinner.
- Inverted model has a 0° flat trajectory, 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



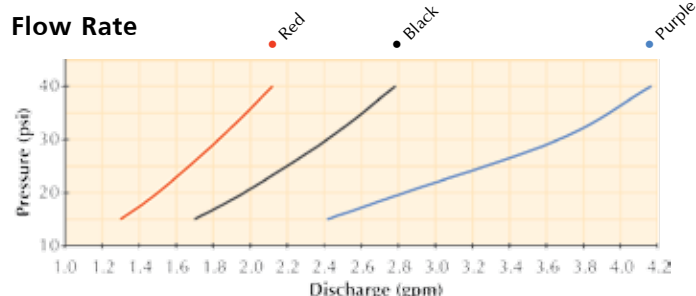
Inverted Rotor Max™ 1/2" Thread



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

Performance		Rotor Max™ tested 0.65 ft above ground		Inverted Rotor Max™ tested 6.6 ft above ground	
NOZZLE COLOR	PRESSURE (psi)	FLOW (gpm)	DIAMETER (ft)	STREAM HEIGHT (ft)	
Red 0.11"	15	1.3	36.0	3.0	
	20	1.5	39.0	3.5	
	30	1.8	43.0	4.0	
	40	2.1	43.0	4.5	
Black 0.13"	15	1.7	36.0	3.0	
	20	2.0	39.0	3.5	
	30	2.4	43.0	4.0	
	40	2.8	45.0	4.2	
Purple 0.15"	15	2.4	40.0	2.3	
	20	2.8	42.0	2.7	
	30	3.7	46.0	3.4	
	40	4.2	45.0	3.9	

* Stream height is applicable only to the Rotor Max™



Rotor Max™ 1/2"

NOZZLE		PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
COLOR	ORIFICE SIZE				
Red	0.11"	21055	20	10	14.1
Black	0.13"	21005	20	10	14.1
Purple	0.15"	21065	20	10	14.1

Inverted Rotor Max™ 1/2"

NOZZLE		PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
COLOR	ORIFICE SIZE				
Red	0.11"	21555	20	10	14.1
Black	0.13"	21505	20	10	14.1
Purple	0.15"	21565	20	10	14.1

Specifications

DIMENSIONS ASSEMBLED		UV STABILIZED MATERIAL		BASE/CONNECTION TYPE
HEIGHT	3.8"	FRAME	polypropylene	Inlet: THREAD 1/2" BSPM
WIDTH	3.5"	SPINNER	acetal	
WEIGHT (approx)	0.95 oz	NOZZLE	acetal	

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 or 'Quick' thread emitters.
- UV stabilized materials for long life.

Applications

Home gardens, landscaping, greenhouses and hanging baskets.



Goof Plugs

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
GOOF PLUGS (rack of 10)	42325	10	50	3.6



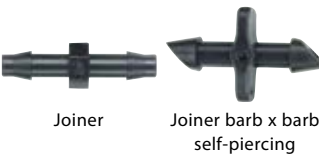
Adapters and Joiners

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
ADAPTER 0.16" (F) (suit 10-32) x 1/2" MNPT	41075	25	50	8.9
ADAPTER 0.16" (F) (suit 10-32) 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
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
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



Elbows, Tees & Crosses

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
TEE 0.16" barb	40345	50	50	4.3
TEE 0.18" barb	40395	50	50	4.3
CROSS 0.16" barb	40445	50	50	5.2
CROSS 0.18" barb	40495	50	50	6.2



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 Clips & Saddle Clamps

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
SADDLE CLIP w/nail	45355	100	50	12.8
SADDLE CLAMP 1/4"	45395	100	50	12.8



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



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 the 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.

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

* Refer to Installation Instructions below for correct pipe sizing.

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







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

Take-Off Fittings LDPE (for use with Hole Punch 7.5mm - see page 39)

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

Xpando® Installation Instructions

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 XPANDO® 10 mm x 15 mm take-off	1"	0.06"	0.14"	10 mm (curved)	9/16"
XPANDO® 13 mm x 13 mm take-off XPANDO® 13 mm x 14 mm take-off XPANDO® 13 mm x 15 mm take-off	1 1/2"	0.06"	0.09"	13 mm	5/8"
XPANDO® 16 mm x 16 mm take-off XPANDO® 16 mm x 18 mm take-off	2"	0.06"	0.14"	16 mm	3/4"
XPANDO® 19 mm x 19 mm take-off XPANDO® 19 mm x 21 mm take-off XPANDO® 19 mm x 25 mm take-off	2"	0.06"	0.24"	19 mm	7/8"



Xpando® Take-Off Adapter



Capo® Rubber Grommet



Xpando® Drill Bit



Take-Off Coupling



Take-Off Elbow



A compact valve box with 4 internal solenoid valves that connect to a 24Vac or 9Vdc Latching irrigation controller. Installation is uncomplicated and the eZyValve®4 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.

Applications

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



eZyValve®4 - 24Vac



eZyValve®4 - 9Vdc Latch

Performance	
FLOW RATE (gpm)	PRESSURE LOSS (psi)
3	5
4	9
5	14
6	20
7	27
8	34

eZyValve®4

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
eZyValve®4 - Valve Box 4 Solenoid Valves 3/4" NPT 24Vac	16615	1	5	12.3
eZyValve®4 - Valve Box 4 Solenoid Valves 3/4" NPT 9Vdc Latch	16635	1	5	12.3

eZyValve®4 Repair Kits

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
eZyValve®4 HARDWARE KIT	16602	1	560	31.4
eZyValve®4 SOLENOID KIT	16603	1	60	17.8
eZyValve®4 DIAPHRAGM KIT	16604	1	125	7.0

Specifications

DIMENSIONS PACKAGED		CONNECTION TYPE	
HEIGHT	4.1 in	Inlet:	3/4" NPT
DEPTH	7.2 in	Outlet:	3/4" NPT x 4 Outlets
WIDTH	7.2 in		
WEIGHT (approx) - 24Vac	2 lbs 6 oz		
WEIGHT (approx) - 9Vdc	2 lbs 5 oz		

OPERATING SPECIFICATIONS	
FLOW (per outlet)	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





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.



DB Coupling

DB Coupling

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 14 mm (Brown)	60005	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 Reducing Coupling

DB Reducing Coupling

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
DB REDUCING COUPLING 25 mm x 21 mm	46965	25	26	17.8



DB Elbow

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 14 mm (Brown)	60015	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



DB Reducing Elbow

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.



DB Tee



DB Increasing Tee



DB Reducing Tee



DB Male Adapter



DB End Plug

DB Tees

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 14 mm (Brown)	60025	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

DB Increasing Tees

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
DB INCREASING TEE 14 mm line x 16 mm branch	47475	25	32	19.3

DB Reducing Tees

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
DB REDUCING TEE 25 mm line x 13 mm branch	47585	25	10	12.5
DB REDUCING TEE 25 mm line x 14 mm branch	47695	25	10	12.7

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 14 mm x 1/2" MNPT (Brown)	60045	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

DB End Plugs

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 14 mm (Brown)	60035	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



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

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

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

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

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

Nuts and Tails

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
NUT AND TAIL with washer 3/4" BSPF x 13 mm	44005	25	40	25.5
NUT AND TAIL with washer 3/4" BSPF x 14 mm	44065	25	40	25.5
NUT AND TAIL with washer 3/4" BSPF x 16 mm	44055	25	40	27.5

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

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

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

Planters, patios and areas with shrubs, tree or ground cover. Especially useful for a confined area with a mix of plants.



Pressure Regulating Micro Manifold



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



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

Performance				
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

Pressure Regulating Micro Manifold

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
9 Outlet Micro Manifold	51305	10	20	23.6

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
WIDTH	2.13"	OUTLETS PRESSURE 21 - 28 psi	OUTLET BARB to suit 1/4" tubing
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	INLET BASE 3/4" FNH
WIDTH	1.4"	FLOW RANGE TOTAL 0.1 - 8.0 gpm	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		
<ul style="list-style-type: none"> • 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 pressure 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™
barb x barb



Vari-Flow™
thread x thread

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

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

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



Green Back® Valve



Purple Back® Valve

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 MATERIALS	BODY acetal KNOB HDPE	BODY acetal KNOB HDPE
BASE/CONNECTION TYPE	BARB 0.18"	10-32 UNF THREAD 0.18"

Specifications: Green Back® Valves 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	1.7 oz (18mm) 1.8 oz (21mm)	2.9 oz
UV STABILIZED MATERIALS	BODY acetal STEM polypropylene COVER acetal	BODY acetal STEM polypropylene COVER acetal	BODY acetal STEM polypropylene COVER acetal
BASE/CONNECTION TYPE	BARB	BARB	BARB



Threaded flow control valves for low pressure irrigation systems.

Features

- 1/2" MNPT & 3/4" MNPT threaded inlet 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 connections are required.



Threaded Green Back® Valve
1/2" MNPT



Threaded Purple Back® Valve
1/2" MNPT



Threaded Green Back® Valve
3/4" MNPT



Threaded Purple Back® Valve
3/4" MNPT

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® 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® 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® 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

Stakes & Micro Pop-ups



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

The Micro Pop-Ups are ideal for conversion to low-volume spray irrigation.

Features: Asta® Stake Registered Design

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

Features: 12" Micro Pop-Ups

- Two inlet sizes: 1/4" tubing or 1/2" MPT.
- Outlet sized for 10-32 or "Quick" thread devices.

Applications

Agricultural, landscape and home garden applications.

Asta® Stake
21"

Asta® Stake
16"

Asta® Stake
12"

Asta® Stake
8"

Asta®
Stake Adapter



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

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

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

Asta® Stake
Hold-Down



12" Micro
Pop-ups

Asta®
Clip Stake

Asta® Stakes 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

12" Micro Pop-Ups

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
12" Micro Pop-Up 1/4" Barb	51408	50	1	8.4
12" Micro Pop-Up 1/2" MNPT	51428	50	1	8.5



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.

VARI-JET™ 12" ASTA® STAKE ASSEMBLY with 12" Rigid Riser and 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

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

12" ASTA® STAKE ASSEMBLY with 24" vinyl tubing and 0.16" barb

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
ASTA® STAKE Assembly with tubing	50365	25	8	21.8

12" ASTA® STAKE ASSEMBLY with VARI-FLOW,™ 24" vinyl tubing and 0.16" barb

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
ASTA® STAKE ASSEMBLY with VARI-FLOW™ valve & tubing	50355	25	8	23.0

ASTA® MM STAKE ASSEMBLY with 36" vinyl tubing and 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



Vari-Jet™
Asta® Stake
Assembly
W/12" RR

Asta®
Stake
with
Adapter

Asta® Stake
Assembly
with 24"
tubing



Asta® MM
Stake
Assembly
with tubing

Asta® Stake
with Vari-Flow™
valve & tubing

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

Features

- Available in 4 lengths - 6", 8", 12" and 18" in plain, barbed, threaded and 1/2" MNPT configuration.
- HD Risers used for all 10-32 emission devices including threaded 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 Range 15-50 psi.



Rigid Riser Plain

Rigid Riser with
barbed 0.16"
adapter



Rigid Riser with
"Quick" thread
adapter

Rigid Riser with
1/2" MNPT
adapter

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

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

High Density (HD) Riser with "Quick" thread adapter

TYPE	PART NUMBER	PACK QUANTITY	PACKS PER CARTON	CARTON (lbs)
RISER HD 6" with "Quick" thread adapter	50715	100	10	12.5
RISER HD 8" with "Quick" thread adapter	50725	100	10	16.5
RISER HD 12" with "Quick" thread adapter	50735	100	10	23.9
RISER HD 18" with "Quick" thread adapter	50745	100	10	35.3

High Density (HD) Riser 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



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

Features

- In-Line model with single barb inlet and outlet.
- Snap-On model for direct connection to standard tap adapters.
- 80 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.



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.

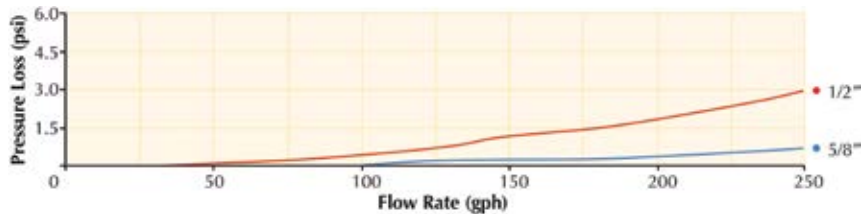
In-Line Filters: 80 Mesh Screen

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

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

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:	Inlet: BARB 1/2", 5/8" Outlet: BARB 1/2", 5/8"
WIDTH	1.3"	BODY Filter & NUT:	
WEIGHT (approx)	1.0 oz	WASHER:	
		SCREEN:	

Specifications: Snap-On Filter

DIMENSIONS ASSEMBLED	1/2", 5/8"	MATERIAL	BASE/CONNECTION TYPE
LENGTH	5.3"	BODY Snap-On Inlet:	Inlet: SNAP-ON CONNECTOR Outlet: BARB 1/2", 5/8"
WIDTH	1.3"	BODY Filter & SLEEVE Snap-On:	
WEIGHT (approx)	1.3 oz	WASHER:	
		SCREEN:	

Punches



Range of multifunctional hand tools to hole punch tube, insert 1/4" emitters and fittings, and cut PE 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 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.



Key Punch™



Miracle Punch



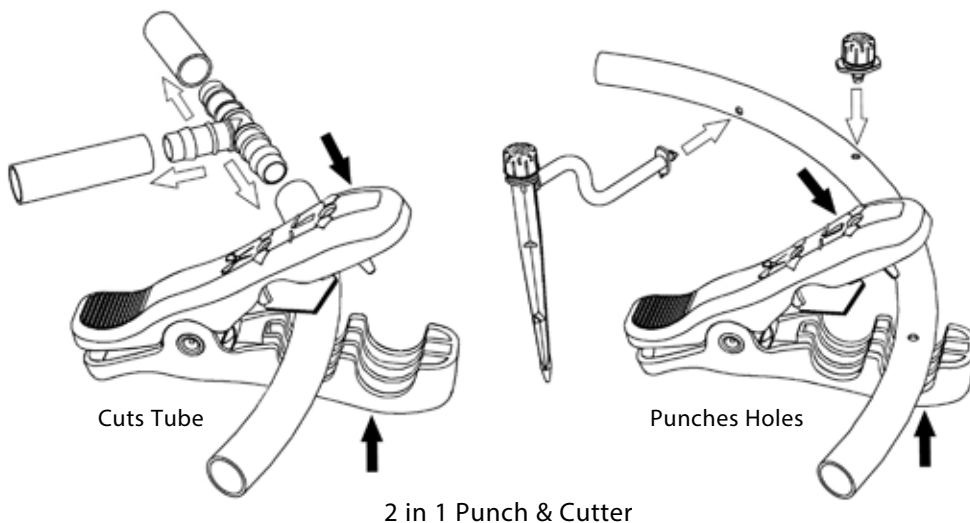
2 in 1 Punch & Cutter



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

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



2 in 1 Punch & Cutter



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

Features

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

Applications

Suitable for all micro irrigation applications.



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



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 tap 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

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 P.E. .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

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 Distribution Tubing
- 9 Shrubbler® 360° Spike adjustable flow



Shrubbler® 360°

Drip Mate® Drip & Spray Starter Kits



The Drip Mate® 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 Drip Mate® Kits include all of the essential micro drip components needed to install a drip irrigation system.

Features

- Drip Mate® Kits connect directly to a hose tap or can be used in connection 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.

Drip Mate® Starter Kits

TYPE	PART NUMBER	PACKS PER CARTON	CARTON (lbs)
DRIP MATE® Drip Kit with Shrubber® 360°	81495	5	21.4
DRIP MATE® Spray Kit with Spectrum™ 360°	82095	5	21.4

System Components Include:

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



Shrubber® 360°



Spectrum™ 360°



- 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 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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