

WADE RAIN[®]

Micro Irrigation Products for Agriculture & Nursery



Product Catalog

Volume 2

We put water where it belongs

Wade Rain Micro Irrigation Literature



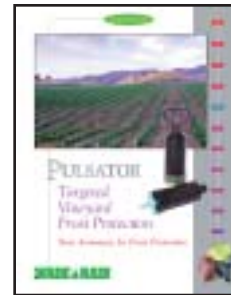
Clip-On Emitter



Wadeline



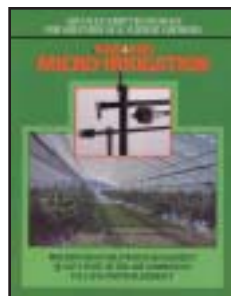
Acu-Emitter
(English & Spanish)



Pulsator For
Frost Protection



Pulsator



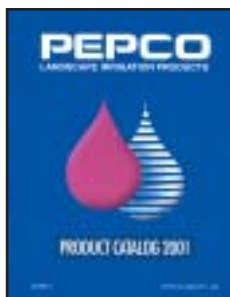
Micro-Irrigation for
Nurseries &
Greenhouses



Micro Sprays & Jets
(English & Spanish)



Acu-Flo



Pepco Catalog 2001



Pepco Water
Conservation Guide



Low Flow Pressure
Regulator



Acu-Spray Stick



Medium Pressure
Regulator

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Literature Today!**

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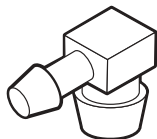
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EMITTERS

PART	DESCRIPTION	BAG	BOX	EACH
PRESSURE COMPENSATING EMITTERS				

Wade Rain Micro-Flappers are self-purging pressure compensating emitters which mount "on-line" to a polyethylene lateral. Automatic flushing at start-up and shut-down occurs at approximately 1 psi. A double-sided silicone diaphragm allows purging and delivers a constant discharge rate through a range of 10-60 psi. These emitters can be fitted with small diameter porting tubing to deliver water to a location away from the emitter. Maximum Recommended Working Pressure - 60 PSI. All Micro-Flappers use .125" I.D. porting tubing.

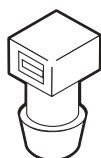


MICRO-FLAPPER



MF-1/2	Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet x 1/8" outlet barb, .50 GPH Red	100	5000	\$.24
MF-3/4	Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet x 1/8" outlet barb, .75 GPH Gray	100	5000	.24
MF-1	Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet x 1/8" outlet barb, 1 GPH Black	100	5000	.24
MF-2	Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet x 1/8" outlet barb, 2 GPH Green	100	5000	.24
MF-3	Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet x 1/8" outlet barb, 3 GPH Tan	100	5000	.24

Barbless Low Profile (LPMF) model features two slotted outlets to exclude dirt and insects.



LOW PROFILE
Micro-Flapper

LPMF-1/2	Low Profile Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet, .50 GPH Red	100	5000	.24
LPMF-3/4	Low Profile Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet, .75 GPH Gray	100	5000	.24
LPMF-1	Low Profile Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet, 1 GPH Black	100	5000	.24
LPMF-2	Low Profile Micro-Flapper, pressure compensating, self-flushing, .187 barb inlet, 2 GPH Green	100	5000	.24

See page 41 for Flow Curve Information

6 OUTLET PRESSURE COMPENSATING EMITTERS

Wade Rain 6 outlet and 12 outlet Micro-Flapper - Silicone diaphragm each outlet. One outlet only (per side) open. Snip open others as needed. Be sure "snipped" outlets are fully open to prevent flow restriction. Flow rate shown on housing. Maximum Recommended Working Pressure - 60 PSI. All Micro-Flappers use .125" I.D. porting tubing.



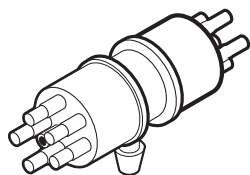
6 OUTLET
MICRO-FLAPPER

MF6-1/2	6 outlet Micro-Flapper with .187 barb inlet x 1/8" outlet, self-flushing, .5 GPH per outlet, Red base	25	500	1.90
MF6-1	6 outlet Micro-Flapper with .187 barb inlet x 1/8" outlet, self-flushing, 1 GPH per outlet, Black base	25	500	1.90
MF6-2	6 outlet Micro-Flapper with .187 barb inlet x 1/8" outlet, self-flushing, 2 GPH per outlet, Green base	25	500	1.90

See page 41 for Flow Curve Information

EMITTERS

12 OUTLET PRESSURE COMPENSATING EMITTERS



MICRO-FLAPPER

PART	DESCRIPTION	BAG	BOX	EACH
MF12-1/2	12-outlet Micro-Flapper with .187 barb inlet x 1/8" outlet, self-flushing, .5 GPH per outlet, Red base	25	250	\$3.10
MF12-1	12-outlet Micro-Flapper with .187 barb inlet x 1/8" outlet, self-flushing, 1 GPH per outlet, Black base	25	250	3.10
MF12-2	12-outlet Micro-Flapper with .187 barb inlet x 1/8" outlet, self-flushing, 2 GPH per outlet, Green base	25	250	3.10

See page 41 for Flow Curve Information

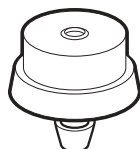
WADE PC EMITTER



1/4" BARB SERIES

ABPC1/225	.5 GPH pressure-compensating & self-flushing with 1/4" self-piercing inlet and 1/4" outlet - Red	100	2000	0.38
ABPC125	1 GPH pressure-compensating & self-flushing with 1/4" self-piercing inlet and 1/4" outlet - Blue	100	2000	0.38
ABPC225	2 GPH pressure-compensating & self-flushing with 1/4" self-piercing inlet and 1/4" outlet - Green	100	2000	0.38

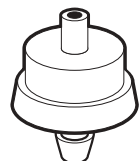
TURBULENT FLOW EMITTERS



CLIP-ON EMITTER

Wade Rain Turbulent Flow Emitters utilize the turbulent-flow labyrinth method of energy dissipation to achieve predictable flow rates. This design includes relatively large flow paths which minimize clogging. Maximum Recommended Working Pressure - 40 PSI

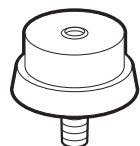
CO1/2	Clip-on emitter, 1/4" barb inlet, .5 GPH - Red	100	10,000	0.17
CO1	Clip-on emitter, 1/4" barb inlet, 1 GPH - Blue	100	10,000	0.17
CO2	Clip-on emitter, 1/4" barb inlet, 2 GPH - Green	100	10,000	0.17



CLIP-ON W/RISER

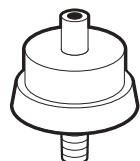
COR1/2	Clip-on with outlet nipple, 1/4" barb inlet .5GPH - Red	100	10,000	0.17
COR1	Clip-on with outlet nipple, 1/4" barb inlet 1GPH - Blue	100	10,000	0.17
COR2	Clip-on with outlet nipple, 1/4" barb inlet 2GPH - Green	100	10,000	0.17

Uses 160-220 or 160-220V tubing on outlet nipple for porting.



SCREW-ON EMITTER

SO1/2	Screw-on emitter, screws into 125-185 tubing, .5 GPH- Red	100	10,000	0.17
SO1	Screw-on emitter, screws into 125-185 tubing, 1 GPH- Blue	100	10,000	0.17
SO2	Screw-on emitter, screws into 125-185 tubing, 2 GPH- Green	100	10,000	0.17



SCREW-ON W/ RISER

SOR1/2	Screw-on emitter with outlet nipple, screws into 125-185 tubing, .5 GPH- Red	100	10,000	0.17
SOR1	Screw-on emitter with outlet nipple, screws into 125-185 tubing, 1 GPH- Blue	100	10,000	0.17
SOR2	Screw-on emitter with outlet nipple, screws into 125-185 tubing, 2 GPH- Green	100	10,000	0.17

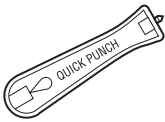


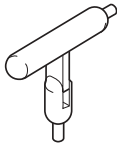
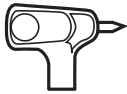

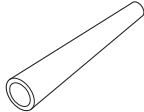




Uses 160-220 or 160-220V tubing on outlet nipple for porting.

See page 42 for Flow Curve Information

EMITTERS & EMITTER ACCESSORIES

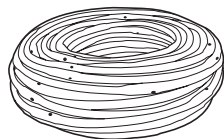
PART	DESCRIPTION	BAG	BOX	EACH	
INLINE TURBULENT FLOW EMITTER					
Wade Rain Inline Emitter installs into P.E. tube at pre-determined spacing. Normally factory installed as "Emitter-Line." Can be hand-installed into cut-length P. E. tubing.					
	162	Inline emitter for .520 x .620 tubing, .5 GPH	Each	2000 \$0.22	
	164	Inline emitter for .520 x .620 tubing, 1 GPH	Each	2000 0.22	
	See page 44 for Flow Curve Information				
FLAPPER EMITTERS FOR DIFFICULT WATER					
Wade Rain Flapper and Dual Flapper emitters will self-purge larger particles than the Micro-Flapper. These are recommended where maximum flush is required. For remote porting, use .185" O. D. tubing. Color-coded cap must be in place for operation. If porting tube is used, relocate cap to tube end.					
	STF1	Single outlet, .187 barb inlet, 1 GPH, Black Cap	100	3000 .74	
	STF2	Single outlet, .187 barb inlet, 2 GPH, Green Cap	100	3000 .74	
<hr/>					
	STFD1	Dual outlet, .187 barb inlet, 1 GPH, Black Cap	100	2000 1.26	
	STFD2	Dual outlet, .187 barb inlet, 2 GPH, Green Cap	100	2000 1.26	
<hr/>					
RISER & EMITTER ADAPTERS					
Wade Rain Riser Emitter Adapter is one of the most useful and versatile fittings in the industry. This unique fitting threads onto any 1/2" MIPT riser and allows take-off to a number of products. Molded of flexible thermo-plastic rubber, the REA can accept:					
		<ul style="list-style-type: none"> • PULSATOR™ and micro-spray • any micro-spray with 3/16" (#10-32) thread • any drip emitter with standard barbed inlet • <i>Note: MF single outlet will not fit in REA</i> 			
	REA	1/2" FPT Riser Emitter Adapter (Black) for 10-32 or .125 to .250 barb	50	1000 0.44	
<hr/>					
	FHA25	Riser Adapter, 3/4" FHT X 1/4" Barb Adapts hose to 1/4" (160 ID) tubing	50	1000 0.60	
<hr/>					
	RA250	Riser Adapter, 1/2" FPT x 1/2" MPT x 1/4" Barb (the 1/4" barb ell swivels)	50	1000 .90	

EMITTER ACCESSORIES

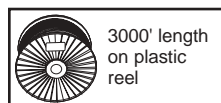
	PART	DESCRIPTION	BAG	BOX	EACH
PUNCH AND INSERTION TOOLS					
	PQP125	Quick Punch- punches hole for 1/8" & 1/4" barb fittings. Handle inserts 1/4" connectors	10	200	\$1.52
	RP	Hand held punch prepares hole in polyethylene tubing for mounting of emitters, fittings, etc.	6	62	1.95
	MFIT	Black in color. Used to greatly assist in inserting the Micro-Flapper into polyethylene tubing.	6	62	.75
	HPT125	T-handle hole punch for 1/8" & 1/4" connectors & emitters	Each	200	3.48
	APKP160	Key Punch & Pep Jet Cap Remover	100	1,000	0.89
MISC. EMITTER ACCESSORIES					
	PW-1	Pot Weight- lead weight slips over .185" O.D. tubing before emitter is installed. Weight assures that emitter remains at desired point of water delivery, such as a nursery pot. See page 20-21 for emitter assemblies.	500		.50
	HW400	4" Hose Weight slips over .250" O.D. tubing before emitter or inverted jet. P.E. material, black in color.	50	500	.22
	COC-1	Close Off Cap- Used to stop flow from selected emitter. Can be used on Clip-On w/Riser (COR), Screw-On w/Riser (SOR)	100	3000	.19
	ABC185	Bug Cap for 125-185 tube	100	2000	0.05
	ABC220	Bug Cap for 160-220 tube	100	2000	0.05
	ABC250BK	Bug Cap for STF 1 GPH emitters, Black	100	2000	0.05
	ABC250GR	Bug Cap for STF 2 GPH emitters, Green	100	2000	0.05
	ABP125	Bug Plug for 125-185 tube	100	2000	0.05
	A2133	Bug Plug for 170-250 tubing	100	2000	0.05

EMITTERLINE

MINI-WADELINE TF (.170 ID X .250 OD)



PART	DESCRIPTION	BAG	BOX	EACH
MW0406100	100' of 1/4" OD, 1/2 GPH, Mini-dripperline, Black, 6" Spacing	20	380	\$28.90
MW0412100	100' 1/4" OD, 1/2 GPH, Mini-dripperline, Black, 12" Spacing	20	380	20.25
MW04063000	3000' 1/4" OD, 1/2 GPH, Mini-dripperline, Black, 6" Spacing	Each	16	800.00
MW04123000	3000' 1/4" OD, 1/2 GPH, Mini-dripperline, Black, 12" Spacing	Each	16	550.00



Preinstalled inline emitterline. Turbulent flow. Emitters can be installed at any repeating spacing not already listed. Use with Acu-Flo to vary emitter output.

CUSTOM WADELINE

Wadeline is available in any repeating emitter spacing. Available in 16, 18, 20 MM sizes and 1/2, 1, and 2 gallonages. To specify your spacing and length, follow this formula:

PART # = W(Wadeline) + I.D. O.D. + GPH (in Liters) + SPACING(inches) + COIL LENGTH(feet)

Example: W6271-8-40.5-1000

16MM WADELINE

DESCRIPTION	SPACING	GPH	PART	PER 1000'
16MM WADELINE .548" I.D. x .638" O. D. TUBING	12"	1/2	W5564-2-12	\$204.60
		1	W5564-4-12	
		2	W5564-8-12	
16MM WADELINE .548" I.D. x .638" O. D. TUBING	18"	1/2	W5564-2-18	\$161.70
		1	W5564-4-18	
		2	W5564-8-18	
16MM WADELINE .548" I.D. x .638" O. D. TUBING	24"	1/2	W5564-2-24	\$141.00
		1	W5564-4-24	
		2	W5564-8-24	
16MM WADELINE .548" I.D. x .638" O. D. TUBING	30"	1/2	W5564-2-30	\$127.60
		1	W5564-4-30	
		2	W5564-8-30	
16MM WADELINE .548" I.D. x .638" O. D. TUBING	36"	1/2	W5564-2-36	\$119.90
		1	W5564-4-36	
		2	W5564-8-36	
16MM WADELINE .548" I.D. x .638" O. D. TUBING	42"	1/2	W5564-2-42	\$113.50
		1	W5564-4-42	
		2	W5564-8-42	
16MM WADELINE .548" I.D. x .638" O. D. TUBING	48"	1/2	W5564-2-48	\$109.20
		1	W5564-4-48	
		2	W5564-8-48	

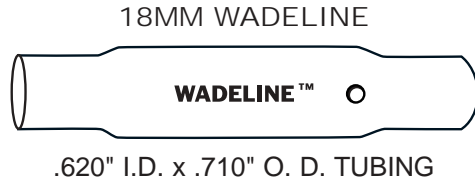
Preinstalled inline emitterline. Turbulent flow. Emitters can be installed at any repeating spacing not already listed.

All spacings and flow rates are built to order. Minimum quantity will apply.

See page 43 for Flow Curve Information

EMITTERLINE

18 MM WADELINE



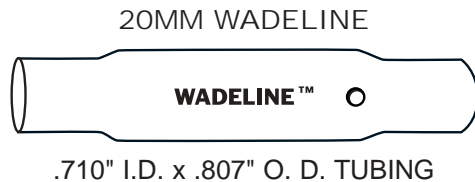
Preinstalled inline emitterline. Turbulent flow. Emitters can be installed at any repeating spacing not already listed.

* Asterisk denotes stock item. All other spacings and flow rates are built to order. Minimum quantity will apply.

See page 43 for Flow Curve Information

DESCRIPTION	SPACING	GPH	PART	PER 1000'
18"	1/2		W6271-2-18	\$174.46
	1		W6271-4-18	
	2		W6271-8-18	
24"	1/2		W6271-2-24	\$152.00
	1		W6271-4-24	
	2		W6271-8-24	
30"	1/2		W6271-2-30	\$128.90
	1		W6271-4-30	
	2		W6271-8-30	
36"	1/2		W6271-2-36*	\$124.30
	1		W6271-4-36	
	2		W6271-8-36	
42"	1/2		W6271-2-42*	\$116.70
	1		W6271-4-42	
	2		W6271-8-42	
48"	1/2		W6271-2-48	\$106.70
	1		W6271-4-48	
	2		W6271-8-48	

20MM WADELINE



Preinstalled inline emitterline. Turbulent flow. Emitters can be installed at any repeating spacing not already listed.

All spacings and flow rates are built to order. Minimum quantity will apply.

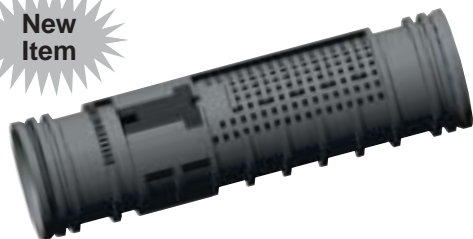
See page 43 for Flow Curve Information

DESCRIPTION	SPACING	GPH	PART	PER 1000'
18"	1/2		W7181-2-18	\$207.40
	1		W7181-4-18	
	2		W7181-8-18	
24"	1/2		W7181-2-24	\$180.45
	1		W7181-4-24	
	2		W7181-8-24	
30"	1/2		W7181-2-30	\$164.16
	1		W7181-4-30	
	2		W7181-8-30	
36"	1/2		W7181-2-36	\$153.20
	1		W7181-4-36	
	2		W7181-8-36	
42"	1/2		W7181-2-42	\$147.80
	1		W7181-4-42	
	2		W7181-8-42	
48"	1/2		W7181-2-48	\$139.60
	1		W7181-4-48	
	2		W7181-8-48	

EMITTERLINE

18 MM WADELINE PC

DESCRIPTION



18MM WADELINE PC



.620" I.D. x .710" O. D. TUBING

Preinstalled inline emitterline. Pressure compensating. Emitters can be installed at any repeating spacing not already listed. Flow rates of 1/2, 3/4, 1, 2 and 3GPH are available.

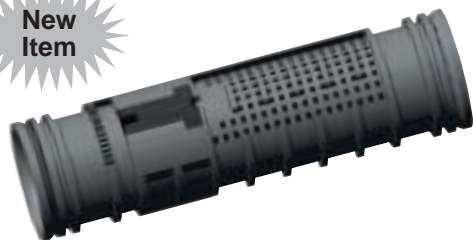
SPACING	GPH	PART	PER 1000'
18"	1/2	WPC6271-2-18	\$207.40
	1	WPC6271-4-18	
	2	WPC6271-8-18	
24"	1/2	WPC6271-2-24	\$180.45
	1	WPC6271-4-24	
	2	WPC6271-8-24	
30"	1/2	WPC6271-2-30	\$164.20
	1	WPC6271-4-30	
	2	WPC6271-8-30	
36"	1/2	WPC6271-2-36*	\$153.20
	1	WPC6271-4-36	
	2	WPC6271-8-36	
42"	1/2	WPC6271-2-42*	\$146.00
	1	WPC6271-4-42	
	2	WPC6271-8-42	
48"	1/2	WPC6271-2-48	\$139.60
	1	WPC6271-4-48	
	2	WPC6271-8-48	

* Asterisk denotes stock item. All other spacings and flow rates are built to order. Minimum quantity will apply.

See page 41 for Flow Curve Information

20MM WADELINE PC

DESCRIPTION



20MM WADELINE PC



.710" I.D. x .807" O. D. TUBING

Preinstalled inline emitterline. Pressure compensating. Emitters can be installed at any repeating spacing not already listed. Flow rates of 1/2, 3/4, 1, 2 and 3GPH are available.

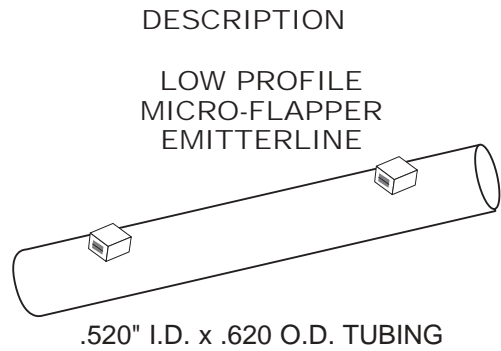
SPACING	GPH	PART	PER 1000'
18"	1/2	WPC7181-2-18	\$220.70
	1	WPC7181-4-18	
	2	WPC7181-8-18	
24"	1/2	WPC7181-2-24	\$193.75
	1	WPC7181-4-24	
	2	WPC7181-8-24	
30"	1/2	WPC7181-2-30	\$177.50
	1	WPC7181-4-30	
	2	WPC7181-8-30	
36"	1/2	WPC7181-2-36	\$166.50
	1	WPC7181-4-36	
	2	WPC7181-8-36	
42"	1/2	WPC7181-2-42	\$159.30
	1	WPC7181-4-42	
	2	WPC7181-8-42	
48"	1/2	WPC7181-2-48	\$152.90
	1	WPC7181-4-48	
	2	WPC7181-8-48	

All spacings and flow rates are built to order. Minimum quantity will apply.

See page 41 for Flow Curve Information

EMITTERLINE

LOW PROFILE MICRO-FLAPPER EMITTERLINE (.520 X .620)



DESCRIPTION	SPACING	GPH	PART	PER 1000'
LOW PROFILE MICRO-FLAPPER EMITTERLINE	12"	1/2	LPMF5262-2-12	\$257.60
		1	LPMF5262-4-12	
		2	LPMF5262-8-12	
	18"	1/2	LPMF5262-2-18	\$204.00
		1	LPMF5262-4-18	
		2	LPMF5262-8-18	
	24"	1/2	LPMF5262-2-24	\$177.05
		1	LPMF5262-4-24	
		2	LPMF5262-8-24	
	30"	1/2	LPMF5262-2-30	\$160.80
		1	LPMF5262-4-30	
		2	LPMF5262-8-30	
	36"	1/2	LPMF5262-2-36	\$149.80
		1	LPMF5262-4-36	
		2	LPMF5262-8-36	
	42"	1/2	LPMF5262-2-42	\$142.60
		1	LPMF5262-4-42	
		2	LPMF5262-8-42	

Preinstalled online emitterline. Pressure compensating. Emitters can be installed at any repeating spacing not already listed. Minimum quantity will apply. Flow rates of 1/2, 3/4, 1, 2 and 3GPH are available.

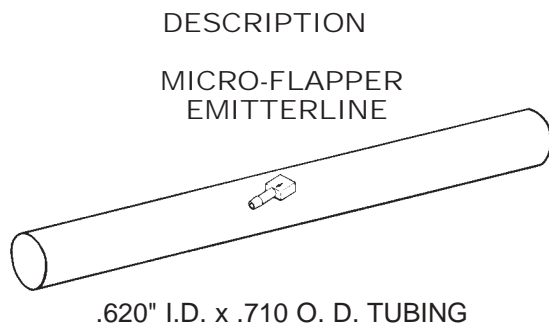
Also available in the following tube sizes:

- .600" I.D. x .700" O.D. TUBING (Add \$8.50 per 1000')
- .620" I.D. x .710" O.D. TUBING (Add \$3.40 per 1000')
- .620" I.D. x .715" O.D. TUBING (Add \$6.50 per 1000')
- .720" I.D. x .820" O.D. TUBING (Add \$23.40 per 1000')
- .830" I.D. x .940" O.D. TUBING (Add \$49.40 per 1000')

Example Part Number: LPMF7282-2-42

See page 41 & 45 for Flow Curve Information

MF SERIES EMITTERLINE (.620 X .710)



DESCRIPTION	SPACING	GPH	PART	PER 1000'
MICRO-FLAPPER EMITTERLINE	12"	1/2	MF6271-2-12	\$261.00
		1	MF6271-4-12	
		2	MF6271-8-12	
	18"	1/2	MF6271-2-18	\$207.40
		1	MF6271-4-18	
		2	MF6271-8-18	
	24"	1/2	MF6271-2-24	\$180.45
		1	Mf6271-4-24	
		2	Mf6271-8-24	
	30"	1/2	Mf6271-2-30	\$164.20
		1	MF6271-4-30	
		2	MF6271-8-30	
	36"	1/2	MF6271-2-36	\$153.20
		1	MF6271-4-36	
		2	Mf6271-8-36	
	42"	1/2	MF6271-2-42	\$146.00
		1	Mf6271-4-42	
		2	Mf6271-8-42	

Preinstalled online emitterline. Pressure Compensating. Emitters can be installed at any repeating spacing not already listed. Minimum quantity will apply. Flow rates of 1/2, 3/4, 1, 2 and 3GPH are available.

Also available in the following tube sizes:

- .520" I.D. x .620" O.D. TUBING (Deduct \$3.40 per 1000')
- .600" I.D. x .700" O.D. TUBING (Add \$5.10 per 1000')
- .620" I.D. x .715" O.D. TUBING (Add \$3.40 per 1000')
- .720" I.D. x .820" O.D. TUBING (Add \$19.80 per 1000')
- .830" I.D. x .940" O.D. TUBING (Add \$45.60 per 1000')

Example Part Number: MF7282-2-42

See page 41 & 45 for Flow Curve Information

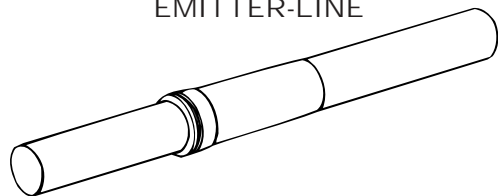
EMITTERLINE

INLINE EMITTERLINE

New
Welded
Emitterline

DESCRIPTION

IN-LINE
EMITTER-LINE



.520" I.D. x .620 O. D. TUBING

Preinstalled inline emitterline. Turbulent Flow. Emitters can be installed at any repeating spacing not already listed. Minimum quantity will apply. Call factory for quote.

Add a "W" to the part number for Welded Emitterline. Example: 62-24W

Add \$50.00/1000' for welding emitter to tube

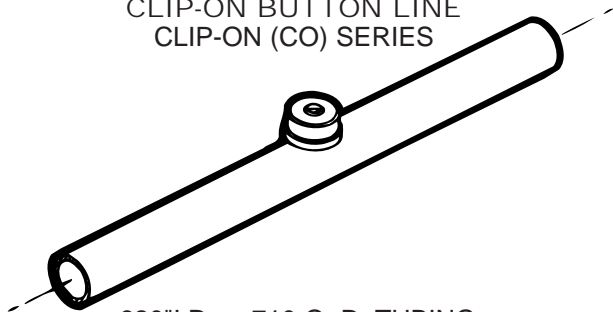
See page 44 for Flow Curve Information

SPACING	GPH	PART	PER 1000'
12"	1/2	62-12	\$200.00
	1	64-12	
	2	68-12	
18"	1/2	62-18	\$158.60
	1	64-18	
	2	68-18	
24"	1/2	62-24	\$138.60
	1	64-24	
	2	68-24	
36"	1/2	62-36	\$117.00
	1	64-36	
	2	68-36	
42"	1/2	62-42	\$111.00
	1	64-42	
	2	68-42	
48"	1/2	62-48	\$106.30
	1	64-48	
	2	68-48	

CLIP-ON BUTTONLINE

DESCRIPTION

CLIP-ON BUTTON LINE
CLIP-ON (CO) SERIES



.620" I.D. x .710 O. D. TUBING

Preinstalled online emitterline. Turbulent Flow. Emitters can be installed at any repeating spacing not already listed. Minimum quantity will apply.

Also Available in the following tube sizes:

.520" I.D. x .620" O. D. TUBING (Deduct \$3.40 per 1000')

.600" I.D. x .700" O. D. TUBING (Add \$5.10 per 1000')

.620" I.D. x .715" O. D. TUBING (Add \$3.40 per 1000')

.720" I.D. x .820" O. D. TUBING (Add \$19.80 per 1000')

.830" I.D. x .940" O. D. TUBING (Add \$45.60 per 1000')

Example Part Number: C7282-2-42

See page 42 for Flow Curve Information

SPACING	GPH	PART	PER 1000'
12"	1/2	C6271-2-12	\$200.00
	1	C6271-4-12	
	2	C6271-8-12	
18"	1/2	C6271-2-18	\$158.60
	1	C6271-4-18	
	2	C6271-8-18	
24"	1/2	C6271-2-24	\$138.60
	1	C6271-4-24	
	2	C6271-8-24	
30"	1/2	C6271-2-30	\$126.00
	1	C6271-4-30	
	2	C6271-8-30	
36"	1/2	C6271-2-36	\$117.20
	1	C6271-4-36	
	2	C6271-8-36	
42"	1/2	C6271-2-42	\$111.00
	1	C6271-4-42	
	2	C6271-8-42	
48"	1/2	C6271-2-48	\$106.70
	1	C6271-4-48	
	2	C6271-8-48	

PULSATOR

PULSATOR™

LARGE DIAMETER MICRO-SPRAY PERFORMANCE from ULTRA-LOW VOLUME DRIP IRRIGATION FLOW RATES!

The **PULSATOR** allows micro-spray irrigation with ultra-low flow rates per head. Located just below the micro-spray head, the Pulsator continually accumulates flow-regulated water in a chamber formed by an expandable silicone sleeve. The water is then pulsed through the spray head at high velocity, covering a wetted diameter similar to micro spray heads of much higher GPH output. Use .060 nozzle or larger.

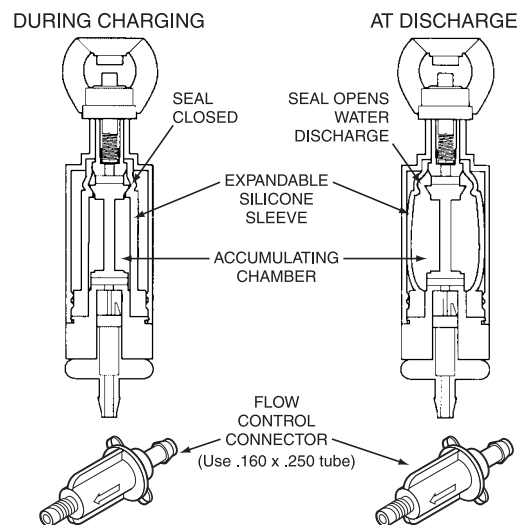
Now each Pulsator comes with an easy to clean take-apart flow control connector.

Filtration requirement: Minimum 155 mesh or equivalent

35 PSI — Often used for overhead frost protection in vineyards.

25 PSI — For most applications where system pressure is adequate.

15 PSI — Ideal for retrofit of previously drip irrigated fields or where system pressure is inadequate



New



PULSATOR
U.S Patent No.'s
4,846,404 4,869,432
4,909,441

See pages
48-49
for Technical
Information

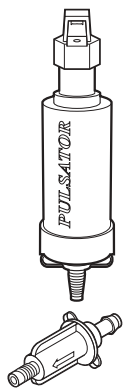
PART	DESCRIPTION	BAG	BOX	EACH
APLT-2-10	Pulsator, 2 GPH, 15 PSI, 10-32 black inlet thread x 10-32 female outlet, brown stem, white diaphragm with green flow regulator (Use .160 x .250 tube)	50	800	\$3.00
APLT-2-20	Pulsator, 2 GPH, 25 PSI, 10-32 black inlet thread x 10-32 female outlet, black stem, blue diaphragm with green flow regulator	50	800	3.00
APLT-2-30	Pulsator, 2 GPH, 35 PSI, 10-32 black inlet thread x 10-32 female outlet, grey stem, yellow diaphragm with green flow regulator	50	800	3.00
APLT-3-10	Pulsator, 3 GPH, 15 PSI, 10-32 black inlet thread x 10-32 female outlet, brown stem, white diaphragm with white flow regulator	50	800	3.00
APLT-3-20	Pulsator, 3 GPH, 25 PSI, 10-32 black inlet thread x 10-32 female outlet, black stem, blue diaphragm with white flow regulator	50	800	3.00
APLT-3-30	Pulsator, 3 GPH, 35 PSI, 10-32 black inlet thread x 10-32 female outlet, grey stem, yellow diaphragm with white flow regulator (Use .160 x .250 tube)	50	800	3.00
APLT-6-10	Pulsator, 6 GPH, 15 PSI, 10-32 black inlet thread x 10-32 female outlet, brown stem, white diaphragm with blue flow regulator	50	800	3.00
APLT-6-20	Pulsator, 6 GPH, 25 PSI, 10-32 black inlet thread x 10-32 female outlet, black stem, blue diaphragm with blue flow regulator	50	800	3.00
APLT-6-30	Pulsator, 6 GPH, 35 PSI, 10-32 black inlet thread x 10-32 female outlet, grey stem, yellow diaphragm with blue flow regulator	50	800	3.00
APLT-8-20	Pulsator, 8 GPH, 25 PSI, 10-32 black inlet thread x 10-32 female outlet, black stem, blue diaphragm with brown flow regulator	50	800	3.00
APLT-8-30	Pulsator, 8 GPH, 35 PSI, 10-32 black inlet thread x 10-32 female outlet, grey stem, yellow diaphragm with brown flow regulator	50	800	3.00
APLT-10-20	Pulsator, 10 GPH, 25 PSI, 10-32 black inlet thread x 10-32 female outlet, black stem, blue diaphragm with violet flow regulator	50	800	3.00
APLT-10-30	Pulsator, 10 GPH, 35 PSI, 10-32 black inlet thread x 10-32 female outlet, grey stem, yellow diaphragm with violet flow regulator	50	800	3.00

PULSATORS & MICRO-SPRINKLERS

PULSATOR ACCESSORIES

PART	DESCRIPTION	BAG	BOX	EACH
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PULSATOR ACCESSORIES



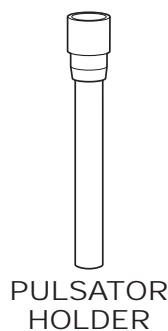
BRASS FROST HEAD ASSEMBLY

AT22-FB80	2 GPH, 25 PSI Pulsator with 80 brass nozzle frost head	50	800	\$4.05
AT23-FB80	2 GPH, 35 PSI Pulsator with 80 brass nozzle frost head	50	800	4.05
AT32-FB80	3 GPH, 25 PSI Pulsator with 80 brass nozzle frost head	50	800	4.05
AT33-FB80	3 GPH, 35 PSI Pulsator with 80 brass nozzle frost head	50	800	4.05
AT62-FB80	6 GPH, 25 PSI Pulsator with 80 brass nozzle frost head	50	800	4.05
AT63-FB80	6 GPH, 35 PSI Pulsator with 80 brass nozzle frost head	50	800	4.05
AT102-FB80	10 GPH, 25 PSI Pulsator with 80 brass nozzle frost head	50	800	4.05
AT103-FB80	10 GPH, 35 PSI Pulsator with 80 brass nozzle frost head	50	800	4.05

(For P.E. tube pre-inserted on Flow-Control unit, add to the following to the list price, and add – xx (length in inches) to the part number)

24" P.E. Tube, .160 I.D. x .250 O.D. installed on to flow-control unit	-	-	0.26
36" P.E. Tube, .160 I.D. x .250 O.D. installed on to flow-control unit	-	-	0.28
48" P.E. Tube, .160 I.D. x .250 O.D. installed on to flow-control unit	-	-	0.30
60" P.E. Tube, .160 I.D. x .250 O.D. installed on to flow-control unit	-	-	0.32
72" P.E. Tube, .160 I.D. x .250 O.D. installed on to flow-control unit	-	-	0.34

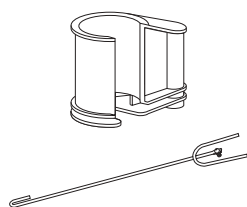
Example Part Number: AT33-TB80-72
3.2 GPH, 35 PSI, PULSATOR, with Brass Frost Nozzle, and 72" P.E. supply tube preassembled with white external flow control.



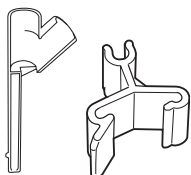
PULSATOR HOLDER

447SAP	Pulsator Holder I.D. x 3/4" Slip O.D.	25	250	0.31
447SAP12	Pulsator Holder with 12" heavy wall PE tubing	-	225	0.53
447SAP18	Pulsator Holder with 18" heavy wall PE tubing	-	350	0.58
447SAP24	Pulsator Holder with 24" heavy wall PE tubing	-	325	0.68
447SAP36	Pulsator Holder with 36" heavy wall PE tubing	-	200	0.86
447SAP42	Pulsator Holder with 42" heavy wall PE tubing	-	200	0.94

Holder may be secured to vineyard stake by ties or clamps


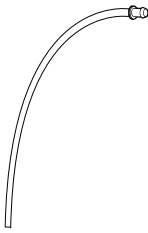


PLWC	Plastic Pulsator Holder for wire stand	50	150	0.60
WSL12	Pulsator Wire Stand 12" with loop	50	150	0.62
VSA09	Vineyard Stake Adapter - fork Style - 9"	50	150	0.95
VSA02	Vineyard Stake Adapter - fork Style - 2"	50	150	0.93

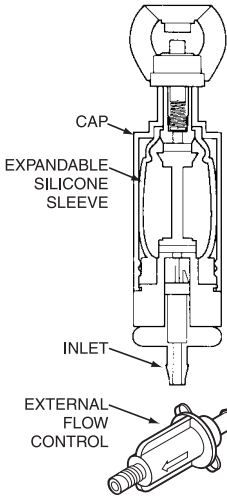


PL01TPC	"T" Post Clamp- clips to iron "T" post and holds .250" or .300" OD poly tube on which pulsator is mounted	-	150	0.28
PLY	Pulsator "Y" Stake- inserts into metal vineyard stake clip and accepts 447SAP pulsator holder with pulsator in either vertical or 45° angle.	-	250	0.26

PULSATOR ACCESSORIES

	PART	DESCRIPTION	BAG	BOX	EACH
PULSATOR ACCESSORIES (CONTINUED)					
 SUPPORT HANGER	PLH3-7	Hanger for maximum .700 O.D. tubing	50	150	\$0.26
	PLH3-7B	Hanger with inlet barb and 10-32 female outlet for maximum .700 O.D. tubing	50	150	0.26
	PLH3-10	Hanger for maximum .1200 O.D. tubing	50	150	0.26
	PLH3-10B	Hanger with inlet barb and 10-32 female outlet for maximum .1200 O.D. tubing	50	150	0.26
	1625-24BC	24" PE Tube, 160 I.D. x 250 O.D. with 187-BCA Barb	-	100	0.29
	1625-36BC	36" PE Tube, 160 I.D. x 250 O.D. with 187-BCA Barb	-	100	0.31
	1625-48BC	48" PE Tube, 160 I.D. x 250 O.D. with 187-BCA Barb	-	100	0.33
	1625-60BC	60" PE Tube, 160 I.D. x 250 O.D. with 187-BCA Barb	-	100	0.35
	1625-72BC	72" PE Tube, 160 I.D. x 250 O.D. with 187-BCA Barb	-	100	0.37
	1630V60BC	60" Vinyl Tube, 160 I.D. x 300 O.D. with 187-BCA Barb	-	100	0.55

PULSATOR PARTS LIST

	PLD10	Expandable Silicone Sleeve White 15psi	50	500	1.90	
	PLD20	Expandable Silicone Sleeve Blue 25psi	50	500	1.90	
	PLD30	Expandable Silicone Sleeve Yellow 35psi	50	500	1.90	
	PLT2	Green inlet 2.2 GPH 10-32 thread	50	500	.56	
	PLT3	White inlet 3.2 GPH 10-32 thread	50	500	.56	
	PLC-B	Cap Black	50	500	.20	
	AJFB-80	Acu-Frost Brass Head	100	1200	1.10	
	<i>New style Pulsator, 5-02 and later</i>					
	PLTO	Black inlet 10-32 thread	50	500	.24	
	TAFT1	Black external flow control 1gph	50	500	.70	
TAFT2	Green external flow control 2gph	50	500	.70		
TAFT3	White external flow control 3gph	50	500	.70		
TAFT6	Blue external flow control 6gph	50	500	.70		
TAFT8	Brown external flow control 8gph	50	500	.70		
TAFT10	Violet external flow control 10gph	50	500	.70		
PLC-G	Cap Green	50	500	.20		

PULSATORS & MICRO-SPRINKLERS

SPRAY STICKS

PART	DESCRIPTION	BAG	BOX	EACH
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ACU-SPRAY STICK

Wade Rain **Spray Sticks** have a fan pattern which is ideal for watering containers, shrubs and small areas of ground cover. All Wade Rain spray sticks have slots which allow shut-off of individual sprays by kinking the connector tube and inserting into the slot.

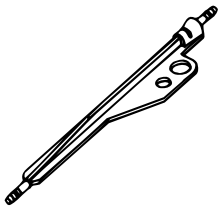
The **Wade Rain Acu-Spray Stick™** is a flow-controlled spray stick which delivers a constant rated flow of water over a pressure range of 15 to 50 psi. This assures that each plant receives an equal amount of water and nutrients. The Acu-Spray Stick™ can be top-fed by either .125" I.D. or .160" I.D. tubing because of the step-barb inlet. This inlet can easily be removed to clean any particulates which might escape filtration. Each Acu-Spray Stick™ is color-coded to indicate the regulated flow rate.



ACU-SPRAY
STICK
U.S. Patent No.
4,869,432 &
4,909,441

FCSS-2	2GPH, 7" radius, 120° spray, black with shut-off holes	100	2000	\$0.52
FCSS-3	3GPH, 9" radius, 120° spray, white with shut-off holes	100	2000	0.52
FCSS-6	6GPH, 15" radius, 180° spray, blue with shut-off holes	100	2000	0.52
FCSS-8	8GPH, 18" radius, 180° spray, brown with shut-off holes	100	2000	0.52
FCSS-10	10GPH, 22" radius, 180° spray, violet with shut-off holes	100	2000	0.52
FCSS-12	12GPH, 25" radius, 180° spray, green with shut-off holes	100	2000	0.52
FCSS-16	16GPH, 30" radius, 180° spray, yellow with shut-off holes	100	2000	0.52

See page 53 for Flow Curve Information

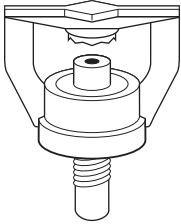

























SS4	Non-pressure compensating spray stick with shut-off holes, 4.5 GPH @ 10PSI	100	2000	0.18
SS10	Non-pressure compensating spray stick with shut-off holes, 9.7 @ 10 PSI	100	2000	0.18

Up to 24" diameter. Uses .125 x .185 tubing.

See page 53 for Flow Curve Information

MICROSPRAYS & JETS

PART	SPRAY PATTERN	DESCRIPTION	BAG	BOX	PRICE EACH																											
ACU-JETS & SPRAYS																																
<p>All Acu-Jets & Sprays are available in a range of different nozzle sizes. Select a 2 digit nozzle number from the chart to the right to complete the part numbers. Example: AJS-45 is an "S" spray pattern with a number 45 nozzle.</p> <p>All nozzles orifices are straight bore and molded with 10-24 buttress triple-lead "fast" thread.</p>			<table border="1"> <thead> <tr> <th>Nozzle</th> <th>Orifice</th> <th>Color</th> </tr> </thead> <tbody> <tr><td>30</td><td>.027"</td><td>Black</td></tr> <tr><td>35</td><td>.032"</td><td>Orange</td></tr> <tr><td>40</td><td>.039"</td><td>Blue</td></tr> <tr><td>45</td><td>.045"</td><td>Violet</td></tr> <tr><td>50</td><td>.047"</td><td>Green</td></tr> <tr><td>55</td><td>.052"</td><td>Yellow</td></tr> <tr><td>60</td><td>.058"</td><td>Red</td></tr> <tr><td>65</td><td>.063"</td><td>Brown</td></tr> </tbody> </table>			Nozzle	Orifice	Color	30	.027"	Black	35	.032"	Orange	40	.039"	Blue	45	.045"	Violet	50	.047"	Green	55	.052"	Yellow	60	.058"	Red	65	.063"	Brown
Nozzle	Orifice	Color																														
30	.027"	Black																														
35	.032"	Orange																														
40	.039"	Blue																														
45	.045"	Violet																														
50	.047"	Green																														
55	.052"	Yellow																														
60	.058"	Red																														
65	.063"	Brown																														
	AJS-__	 S Hi-Low Stream	100	1200	\$0.38																											
	AJW-__	 W 2 x 120° Stream	100	1200	0.38																											
	AJT-__	 T 300° Stream	100	1200	0.38																											
	AJJ-__	 J 360°, 11 Stream	100	1200	0.38																											
	AJF-__	 F 360°, 11 Stream (inverted)	100	1200	0.38																											
	AJH-__	 H 180° Stream	100	1200	0.38																											
	AJR-__	 R Stream	100	1200	0.38																											
	AJ6-__	 6 360° Fan	100	1200	0.38																											
	AJ7-__	 7 180° Fan	100	1200	0.38																											
	AJQ-__	 Q Stream	100	1200	0.38																											
	ASJD12-__	 12D 360° Spray	100	1000	0.48																											
	ASJU12-__	 12U 360° Spray	100	1000	0.48																											
	ASJF-__	 F Strip Spray	100	1000	0.48																											
	AM-__	 360° Mister	100	1200	0.38																											
	ASR-__	 360° Spinner	100	1000	0.68																											
	ASRBC-__	 360° Spinner with bug cup	100	1000	0.80																											
	AJFB-80	 Acu-Frost Brass Head	100	1200	1.10																											

PULSATORS & MICRO-SPRINKLERS

MICROSPRAY & JET PERFORMANCE DATA

SPRAY PATTERN

NOZZLE NUMBER	COLOR	ACTUAL DIAMETER	PRESSURE (PSI)	FLOW RATE GPH	SPRAY PATTERN						
					S 360°	W 2 X 120°	T 300°	J 360°	H 180°	6 360°	7 180°
30		.027	10	3.8	8.5	9.5	9.0	9.0	7.5	-	-
			15	4.6	9.0	11.0	11.0	11.0	10.0	-	-
			20	5.2	10.5	12.5	12.0	12.0	11.5	-	4.0
			25	5.9	10.5	13.0	12.0	12.0	12.0	4.5	4.5
			30	6.3	10.5	14.0	12.0	12.0	13.0	5.0	5.0
35		.032	10	5.1	9.0	11.0	10.0	10.0	10.0	-	-
			15	6.2	11.0	12.0	13.0	13.0	12.0	5.5	4.0
			20	7.3	12.0	13.0	13.5	13.5	13.5	6.0	4.5
			25	8.2	12.0	15.0	14.0	14.0	14.5	6.0	5.0
			30	9.0	13.0	16.0	14.5	14.5	15.5	6.0	5.0
40		.039	10	7.3	10.5	11.0	12.0	12.0	12.0	6.0	3.0
			15	9.0	14.0	14.0	13.0	13.0	14.5	6.5	4.0
			20	10.8	17.0	15.0	15.0	15.0	16.0	10.0	4.0
			25	11.4	17.0	17.0	16.0	16.0	18.0	10.0	4.0
			30	12.4	18.0	18.0	17.0	17.0	20.0	10.0	4.0
45		.045	10	10.8	13.5	13.5	13.0	13.0	13.0	8.0	4.5
			15	12.7	17.0	18.5	17.5	17.5	17.0	9.0	5.5
			20	14.7	18.0	20.0	19.0	19.0	19.0	10.0	5.5
			25	16.5	17.0	22.0	21.0	21.0	21.0	9.5	6.0
			30	18.1	17.0	23.0	21.5	21.5	22.5	9.0	6.0
50		.047	10	11.1	15.0	15.5	15.0	15.0	15.5	7.0	4.5
			15	13.9	17.0	19.0	18.0	18.0	19.0	5.0	5.5
			20	15.7	16.5	21.0	19.0	19.0	21.0	9.0	5.5
			25	17.6	20.0	23.0	20.0	20.0	23.5	9.0	5.5
			30	19.3	21.0	23.5	20.5	20.5	25.0	10.0	6.0
55		.052	10	13.3	15.5	18.0	16.0	16.0	16.0	8.0	4.5
			15	16.5	17.5	21.0	19.0	19.0	19.0	9.0	5.0
			20	19.3	20.0	22.0	21.0	21.0	21.5	9.5	6.0
			25	21.5	21.5	22.0	22.5	22.5	23.5	10.0	6.5
			30	23.9	23.0	23.0	23.5	23.5	25.0	11.0	6.5
60		.058	10	15.7	16.0	17.0	17.0	17.0	15.0	8.0	5.0
			15	19.3	18.0	21.0	21.5	21.5	19.0	8.0	5.5
			20	22.7	21.0	23.0	24.0	24.0	22.5	9.5	6.0
			25	25.5	22.0	26.0	26.0	26.0	25.0	10.5	6.0
			30	28.5	23.5	27.5	27.0	27.0	27.5	11.0	7.0
65		.063	10	20.6	12.0	13.5	12.5	12.5	12.0	-	4.5
			15	25.1	15.5	16.0	16.5	16.5	16.0	11.0	5.0
			20	26.7	18.0	21.0	18.5	18.5	20.5	9.0	5.0
			25	32.3	21.0	23.0	20.5	20.5	22.5	10.0	6.5
			30	35.5	22.5	24.0	21.0	21.0	24.5	10.0	7.0

Nozzle height above ground

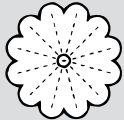
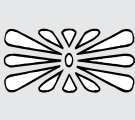

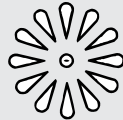
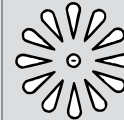
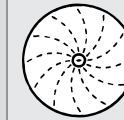
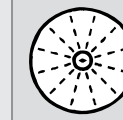
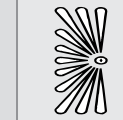
Nozzle position

9" upright 9" upright 9" upright 9" upright 9" upright 9" upright 9" upright

All diameters listed are nominal in no wind conditions. All pressures are measured at nozzle discharge.
 Diameters vary when using flow controls. See page 51 for charts
 ". ." indicates non-recommended use

MICROSPRAY & JET PERFORMANCE DATA

SPRAY PATTERN

NOZZLE NUMBER	COLOR	ACTUAL DIAMETER	PRESSURE (PSI)	FLOW RATE GPH								
					F 360° Spray Inverted	R 360° Spray	12°D 360° Spray Inverted	12°U 360° Spray	12°U 360° Spray	Spinner 360° Spray	Mister 360°	Q
30		.027	10	3.8	-	7.5 x 4.0	-	-	-	-	-	-
			15	4.6	-	9.0 x 6.0	-	-	7.0	-	5.0	-
			20	5.2	10.0	10.0 x 6.0	8.0	-	7.0	-	5.5	-
			25	5.9	11.0	11.0 x 7.0	9.0	-	8.0	-	6.0	-
			30	6.3	11.0	12.0 x 7.0	9.0	-	8.0	-	6.0	-
35		.032	10	5.1	10.0	8.0 x 5.0	8.0	-	7.0	-	4.5	-
			15	6.2	11.0	10.5 x 7.0	9.0	5.0	7.5	-	5.0	-
			20	7.3	12.0	11.0 x 8.0	9.5	7.0	8.0	-	6.0	-
			25	8.2	12.0	12.5 x 8.0	9.5	7.6	8.5	-	6.5	-
			30	9.0	13.5	12.5 x 8.5	10.0	8.0	9.0	-	7.0	-
40		.039	10	7.3	10.5	9.0 x 6.0	7.0	4.2	6.0	12.0	4.5	8.0 x 4.5
			15	9.0	11.5	11.0 x 7.5	8.0	5.5	7.5	16.0	5.0	10.5 x 6.0
			20	10.8	12.5	12.5 x 8.0	8.0	6.0	9.0	17.0	5.5	12.0 x 6.0
			25	11.4	13.0	14.0 x 10.0	8.0	7.4	10.0	18.0	6.0	13.0 x 7.0
			30	12.4	14.0	15.0 x 10.0	9.0	7.4	10.5	18.0	6.5	14.0 x 7.5
45		.045	10	10.8	13.0	10.5 x 7.0	9.5	10.5	10.0	15.0	7.0	9.0 x 5.5
			15	12.7	15.0	12.5 x 8.5	11.0	10.0	10.5	17.0	7.5	12.0 x 6.5
			20	14.7	16.0	14.0 x 10.0	12.0	10.0	10.5	18.0	8.0	13.5 x 7.0
			25	16.5	16.5	15.5 x 10.0	12.0	10.5	10.5	19.0	8.5	14.0 x 7.5
			30	18.1	17.0	16.0 x 11.0	13.0	10.5	10.5	19.0	9.0	15.5 x 8.0
50		.047	10	11.1	14.5	11.5 x 7.5	11.0	8.5	7.0	16.0	5.5	11.0 x 5.5
			15	13.9	16.0	13.0 x 10.5	11.0	9.0	8.0	17.0	6.5	13.0 x 6.5
			20	15.7	16.0	15.5 x 11.5	11.5	10.0	10.0	18.0	7.5	14.0 x 7.5
			25	17.6	17.0	16.5 x 11.5	12.0	10.5	11.0	19.0	8.0	15.5 x 8.0
			30	19.3	18.5	18.0 x 12.0	13.5	11.0	12.0	20.0	8.5	16.0 x 8.0
55		.052	10	13.3	15.0	11.5 x 8.5	11.0	7.5	8.0	16.0	5.5	11.0 x 5.0
			15	16.5	16.0	13.5 x 10.5	12.0	9.5	9.5	17.0	6.5	13.0 x 5.5
			20	19.3	16.5	16.0 x 11.5	12.0	10.5	10.0	18.0	7.5	14.0 x 7.0
			25	21.5	17.0	17.0 x 12.5	12.0	12.0	11.0	19.0	8.5	16.0 x 7.0
			30	23.9	18.5	19.0 x 13.0	13.0	12.5	12.0	20.0	9.5	18.5 x 7.5
60		.058	10	15.7	14.5	11.0 x 9.0	10.0	9.0	8.5	17.0	5.5	13.0 x 5.0
			15	19.3	15.0	14.0 x 11.0	10.0	10.2	9.0	18.0	7.0	14.0 x 7.0
			20	22.7	17.0	16.0 x 12.5	10.5	10.5	10.0	19.0	8.0	16.0 x 7.5
			25	25.5	19.0	18.0 x 13.0	11.5	11.0	13.0	20.0	8.5	18.0 x 7.5
			30	28.5	20.5	19.0 x 13.5	13.0	12.0	14.0	21.0	9.5	19.0 x 8.5
65		.063	10	20.6	16.0	11.5 x 9.0	10.0	9.0	8.0	17.0	8.0	13.0 x 5.5
			15	25.1	16.5	15.0 x 11.0	12.0	9.5	11.0	18.0	8.0	15.5 x 6.5
			20	26.7	18.0	17.0 x 14.0	12.0	10.5	12.5	20.0		17.0 x 7.5
			25	32.3	19.0	19.0 x 15.0	14.0	11.5	13.0	21.0	8.0	19.0 x 8.5
			30	35.5	23.5	19.5 x 15.0	16.0	12.0	13.5	22.0	8.5	20.5 x 9.0

Nozzle height above ground	72"	9"	72"	9"	72"	9"	9"	9"	9"
Nozzle position	inverted	upright	inverted	upright	upright	upright	upright	upright	upright

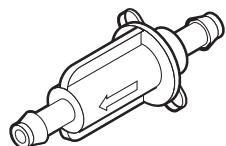
All diameters listed are nominal in no wind conditions. All pressures are measured at nozzle discharge.
 Diameters vary when using flow controls. See page 51 for charts
 "-" indicates non-recommended use

ACU-FLO

PART	DESCRIPTION	BAG	BOX	EACH
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ACU-FLO

The Wade Rain Acu-Flo™ is a flow regulator which is factory pre-set to deliver a constant rated flow over a 15 to 60 psi inlet pressure range. Acu-Flo has been designed to function as a point of discharge regulator for micro-sprinkler systems.



Acu-Flo
U.S. Patent No.
4,869,432 &
4,909,441

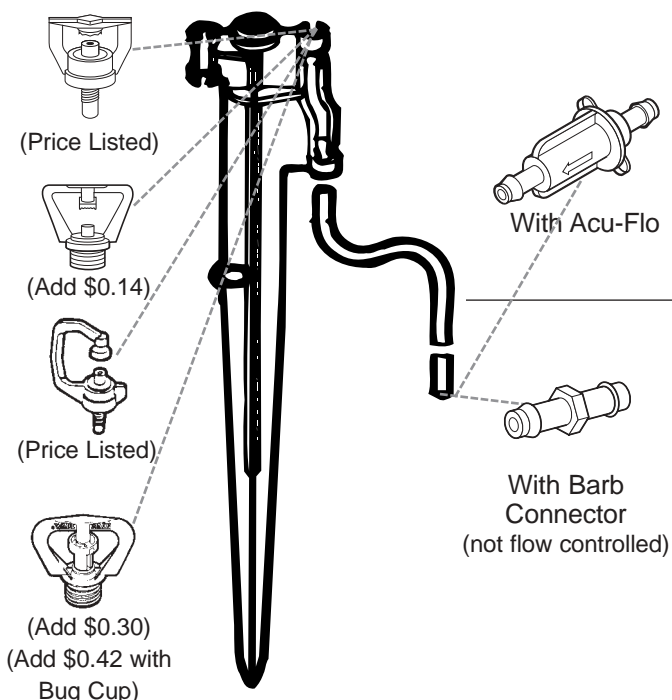
TAFB6.5	.250 barb x .250 barb, take apart flow regulator, 6 GPH, Blue, .045 nozzle recommended	100	5000	\$.70
TAFB8	.250 barb x .250 barb, take apart flow regulator, 8 GPH, Brown, .045 nozzle recommended	100	5000	.70
TAFB10	.250 barb x .250 barb, take apart flow regulator, 10 GPH, Violet, .045 nozzle recommended	100	5000	.70
TAFB12	.250 barb x .250 barb, take apart flow regulator, 12 GPH, Green, .055 nozzle recommended	100	5000	.70
TAFB16	.250 barb x .250 barb, take apart flow regulator, 16 GPH, Yellow, .060 nozzle recommended	100	5000	.70
TAFB20	.250 barb x .250 barb, take apart flow regulator, 20 GPH, Red, .060 nozzle recommended	100	5000	.70

See page 50 for Flow Curve Information

JET STAKE ASSEMBLIES

Wade Rain Jet Stake Assemblies may be ordered pre-assembled. Pre-assembly includes the mounting of the jet or spinner on pre-cut connector tubing and either connector barb or Acu-Flo inserted in the other end. Stakes are shipped separately and tubing must be connected in the field. Black stake standard, red stake optional.

(JET) = Select any Acu-Jet (Page 15) or Pulsator to complete part number



.160 ID	24"	PC-(Gal)-1624-(JET)	\$1.46
x	30"	PC-(Gal)-1630-(JET)	1.48
.250 OD	36"	PC(Gal)-1636-(JET)	1.50
Poly. Tub.	48"	PC(Gal)-1648-(JET)	1.54
.160 ID	24"	PC-(Gal)-1624V-(JET)	1.50
x	30"	PC-(Gal)-1630V-(JET)	1.52
.300 OD	36"	PC-(Gal)-1636V-(JET)	1.54
Vinyl Tub.	48"	PC-(Gal)-1648V-(JET)	1.58
.160 ID	24"	MSB1624-(JET)	1.02
x	30"	MSB1630-(JET)	1.04
.250 OD	36"	MSB1636-(JET)	1.06
Poly. Tub.	48"	MSB1648-(JET)	1.10
.160 ID	24"	MSB1624V-(JET)	1.06
x	30"	MSB1630V-(JET)	1.08
.300 OD	36"	MSB1636V-(JET)	1.10
Vinyl Tub.	48"	MSB1648V-(JET)	1.14

STAKES & ACCESSORIES

	PART	DESCRIPTION	BAG	BOX	EACH
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MULTISTAKE



Multi-stake: Heavy duty dual purpose stake is designed to support all standard micro-irrigation connector tubes. The curved path side holds firmly in place polyethylene tubing from .220 through .250 O.D. The straight clamp side holds .300 O.D. vinyl tube. Both sides allow the tubing to be extended upward above the top of the stake if required.

MS-12D	Black			225	\$.46
MS-12DR	Red			225	.50

JET STAKE



APCS12	12" Plastic stake. Accepts .250 and .307 tube and ridge riser Use with all 360 degree patterns		25	225	0.44
APCS12R	Same as above except Red		25	225	0.48

RIGID RISERS WITH ADAPTERS



RRA4	4" Riser w/RA1032 threaded adapter (.160 ID x .300 OD)		100	500	0.20
RRA6	6" Riser w/RA1032 threaded adapter (.160 ID x .300 OD)		100	500	0.21
RRA8	8" Riser w/RA1032 threaded adapter (.160 ID x .300 OD)		100	500	0.24
RRA12	12" Riser w/RA1032 threaded adapter (.160 ID x .300 OD)		100	500	0.29
RRAB4	4" Riser w/RAB170 barbed adapter (.160 ID x .300 OD)		100	500	0.20
RRAB6	6" Riser w/RAB170 barbed adapter (.160 ID x .300 OD)		100	500	0.21
RRAB8	8" Riser w/RAB170 barbed adapter (.160 ID x .300 OD)		100	500	0.24
RRAB12	12" Riser w/RAB170 barbed adapter (.160 ID x .300 OD)		100	500	0.29

MISCELLANEOUS

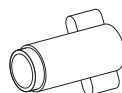


Two-sided deflector snaps firmly onto Acu-Jet™ body. Directs spray to a reduced area. Used for new trees or replants. 15° deflector for 7' circle at 25 psi or 30° deflector for 4' circle at 25 psi

JSD	Acu-Jet Stream Deflector		50	5000	.15
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187BC	Connector Barb, connects connector tube to polyethylene lateral, for .160 ID tube		100	3000	.07
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300VTC	Vinyl Tube Collar, inserts over end of .300 ID tube		100	10,000	.12
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BUBBLERS & EMITTER ASSEMBLIES

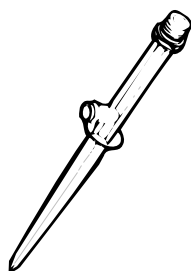
PART	DESCRIPTION	BAG	BOX	EACH
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PC BUBBLER

Wade Rain Bubblers discharge water in an "umbrella" pattern which prevents puddling around the riser. Temperature-stable HDPE housings have 1/2" FIPT threaded bases for mounting on 1/2" MIPT risers or on the Bubbler Stake.

	BFC50	1/2 GPM, Pressure Compensating PC Bubbler with screen, 1/2" FPT inlet, Brown retainer	100	500	\$2.18
PC BUBBLER	BFC100	1 GPM, Pressure Compensating PC Bubbler with screen, 1/2" FPT inlet, Black retainer	100	500	2.18
	BADJ50	Adjustable, Stainless Steel Screw, 0 - 2.5 GPM 1/2" FPT Inlet, Black	100	500	.72
ADJUSTABLE BUBBLER	See page 53 for Flow Curve Information				

BUBBLER STAKE

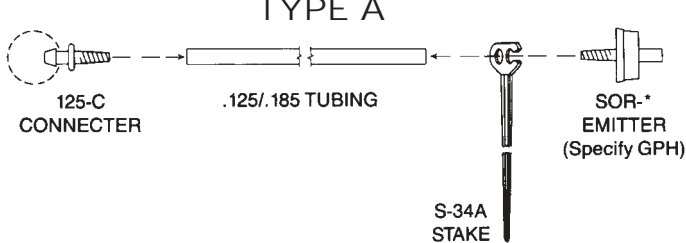
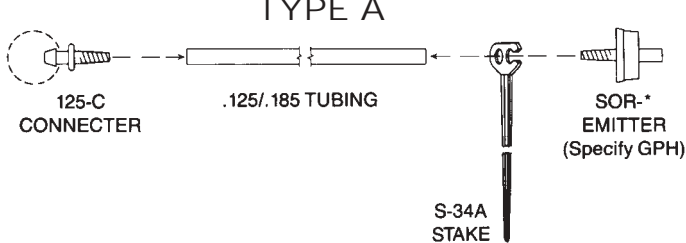


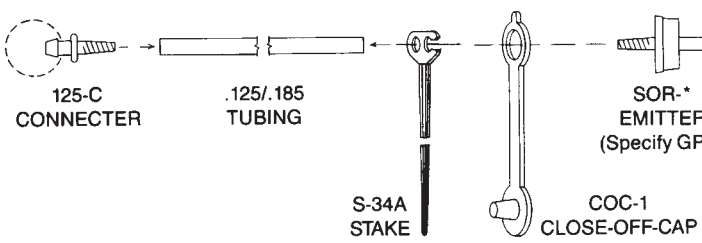
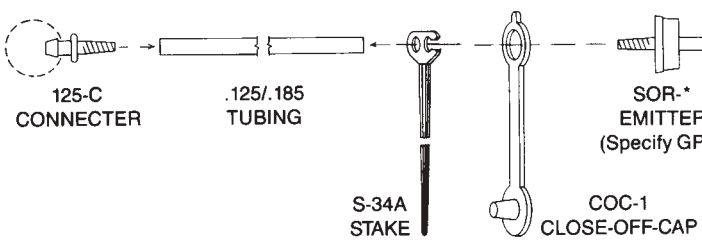
BS1238	PC Bubbler Stake, side inlet-insert style barb for .400 ID tubing.	-	180	.65
BS1212	PC Bubbler Stake, side inlet-insert style barb for .520 ID tubing.	-	180	.65

EMITTER ASSEMBLIES FOR NURSERY GREENHOUSE APPLICATIONS

In all cases, tubing material (Polyethylene or Vinyl), Assembly Type (A,B,C,D,F,G,J,K), length (18", 24", 36"), and emitter flow rate (GPH) must be specified. For example:

"P" (Polyethylene) + "EA" (Emitter Assembly) + "A" (Type A) + "24" (24" tubing) + "-1" (1 GPH) = PEAA24-1

TYPE A		TUBING	LENGTH	PART	EACH
	With Polyethylene Tubing	18"	PEAA18-(GPH)	.65	
		24"	PEAA24-(GPH)	.67	
		36"	PEAA36-(GPH)	.72	
	With Vinyl Tubing	18"	VEAA18-(GPH)	.68	
		24"	VEAA24-(GPH)	.70	
		36"	VEAA36-(GPH)	.75	

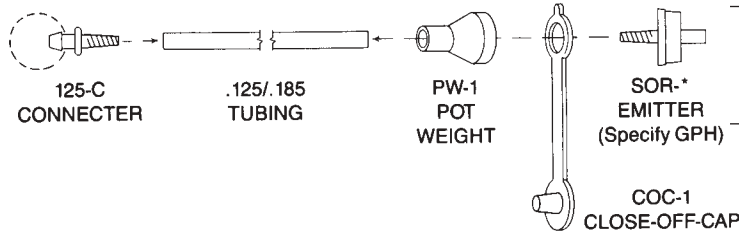
TYPE B		TUBING	LENGTH	PART	EACH
	With Polyethylene Tubing	18"	PEAB18-(GPH)	.84	
		24"	PEAB24-(GPH)	.86	
		36"	PEAB36-(GPH)	.91	
	With Vinyl Tubing	18"	VEAB18-(GPH)	.88	
		24"	VEAB24-(GPH)	.90	
		36"	VEAB36-(GPH)	.95	

Other Assemblies Available

EMITTER ASSEMBLIES

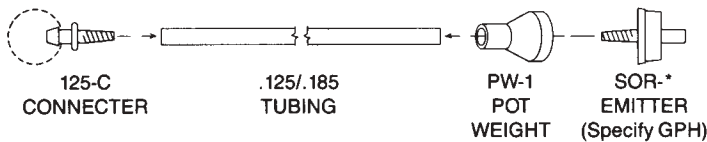
EMITTER ASSEMBLIES FOR NURSERY GREENHOUSE APPLICATIONS

TYPE C



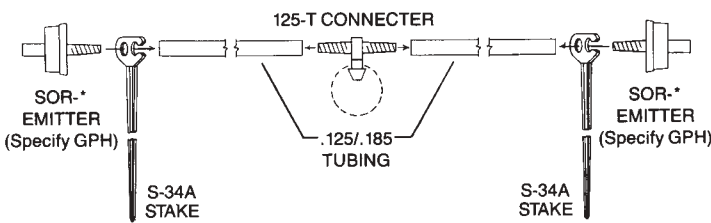
TUBING	LENGTH	PART	EACH
With	18"	PEAC18-(GPH)	\$1.34
	24"	PEAC24-(GPH)	1.36
	36"	PEAC36-(GPH)	1.40
With	18"	VEAC18-(GPH)	1.36
	24"	VEAC24-(GPH)	1.38
	36"	VEAC36-(GPH)	1.40

TYPE D



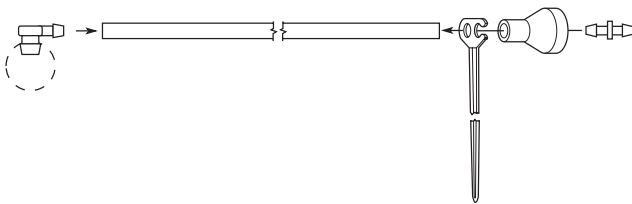
TUBING	LENGTH	PART	EACH
With	18"	PEAD18-(GPH)	1.15
	24"	PEAD24-(GPH)	1.18
	36"	PEAD36-(GPH)	1.20
With	18"	VEAD18-(GPH)	1.18
	24"	VEAD24-(GPH)	1.20
	36"	VEAD36-(GPH)	1.22

TYPE F



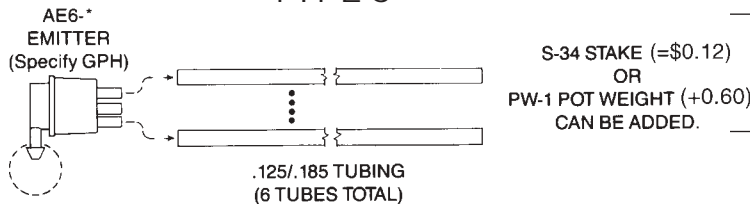
TUBING	LENGTH	PART	EACH
With	18"	PEAF18-(GPH)	1.02
	24"	PEAF24-(GPH)	1.06
	36"	PEAF36-(GPH)	1.14
	18"	VEAF18-(GPH)	1.04
	24"	VEAF24-(GPH)	1.08
	36"	VEAF36-(GPH)	1.16

TYPE G



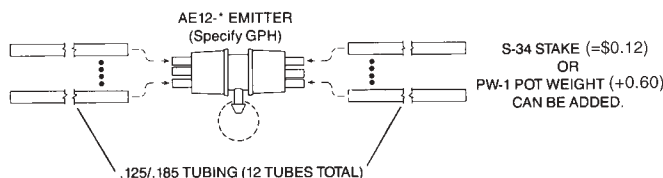
TUBING	LENGTH	PART	EACH
	18"	PEAG18-(GPH)	1.40
	24"	PEAG24-(GPH)	1.42
	36"	PEAG36-(GPH)	1.48
	18"	VEAG18-(GPH)	1.42
	24"	VEAG24-(GPH)	1.44
	36"	VEAG36-(GPH)	1.50

TYPE J



TUBING	LENGTH	PART	EACH
	18"	PEAJ18-(GPH)	2.42
	24"	PEAJ24-(GPH)	2.58
	36"	PEAJ36-(GPH)	2.86
	18"	VEAJ18-(GPH)	2.56
	24"	VEAJ24-(GPH)	2.74
	36"	VEAJ36-(GPH)	2.90

TYPE K

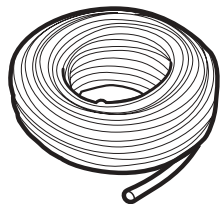


TUBING	LENGTH	PART	EACH
	18"	PEAK18-(GPH)	4.12
	24"	PEAK24-(GPH)	4.40
	36"	PEAK36-(GPH)	5.00
	18"	VEAK18-(GPH)	4.36
	24"	VEAK24-(GPH)	4.64
	36"	VEAK36-(GPH)	5.24

FILTERS, PRESSURE REGULATORS & MISC.

POLYETHYLENE TUBING

POLYETHYLENE TUBING



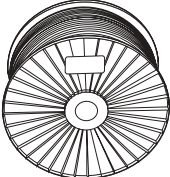
PART NO.	SIZE	ID	OD	WALL	WT/1000'	LENGTH	BOX	PRICE/COIL
375-455-100	3/8"	0.375	0.455	0.040	21.5	100'	10-Box	\$ 4.58
* 375-455-1000	3/8"	0.375	0.455	0.040	21.5	1000'	Each	36.38
520-620-100	1/2"	0.520	0.620	0.050	36.5	100'	5-Box	7.10
520-620-500	1/2"	0.520	0.620	0.050	36.5	500'	Each	33.30
* 520-620-1000	1/2"	0.520	0.620	0.050	36.5	1000'	Each	58.80
600-700-100	1/2"	0.600	0.700	0.050	41.5	100'	5-Box	8.80
600-700-500	1/2"	0.600	0.700	0.050	41.5	500'	Each	35.00
600-700-1000	1/2"	0.600	0.700	0.050	41.5	1000'	Each	66.70
620-700-1000	1/2"	0.620	0.700	0.040	34.0	1000'	Each	55.90
620-710-100	1/2"	0.620	0.710	0.045	38.5	100'	5-Box	7.43
620-710-250	1/2"	0.620	0.710	0.045	38.5	250'	Each	17.50
620-710-500	1/2"	0.620	0.710	0.045	38.5	500'	Each	32.80
* 620-710-1000	1/2"	0.620	0.710	0.045	38.5	1000'	Each	61.40
620-715-100	1/2"	0.620	0.715	0.048	40.5	100'	5-Box	7.80
620-715-500	1/2"	0.620	0.715	0.048	40.5	500'	Each	34.80
620-715-1000	1/2"	0.620	0.715	0.048	40.5	1000'	Each	66.50
720-820-500	5/8"	0.720	0.820	0.050	49.5	500'	Each	43.70
* 720-820-1000	5/8"	0.720	0.820	0.050	49.5	1000'	Each	79.00
830-940-250	3/4"	0.830	0.940	0.055	62.5	250'	Each	26.70
830-940-500	3/4"	0.830	0.940	0.055	62.5	500'	Each	66.60
* 830-940-750	3/4"	0.830	0.940	0.055	62.5	750'	Each	74.90
* 1060-1200-500	1"	1.060	1.200	0.070	101.5	500'	Each	81.20

See page 52 for technical information

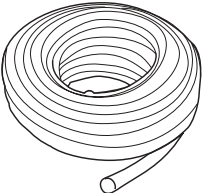
* Asterisk denotes in stock item.
Other sizes are special order and minimums will apply.
Special cut lengths and coil lengths are available

POLYETHYLENE & VINYL TUBING


POLY DISTRIBUTION TUBING

	PART NO.	SIZE	ID	OD	WALL	WT/1000'	LENGTH	BOX	PALLET	COIL
 s = self-coil	* 125-185-100	3/16"	0.125	0.185	0.030	7	100(s)	30-Box	480	\$3.55
	* 125-185-1000	3/16"	0.125	0.185	0.030	7	1000(c)	4-Box	64	22.50
	125-185-2000	3/16"	0.125	0.185	0.030	7	2000(c)	2-Box	32	44.25
 c = cardboard reel with plastic hub	* 125-185-4000	3/16"	0.125	0.185	0.030	7	4000(p)	1-Box	16	73.00
	160-250-100	1/4"	0.160	0.250	0.045	12	100(s)	20-Box	380	3.90
	* 160-250-1000	1/4"	0.160	0.250	0.045	12	1000(c)	2-Box	32	35.70
 p = plastic reel	187-250-100	1/4"	0.187	0.250	0.0315	9	100(s)	20-Box	380	3.52
	* 187-250-1000	1/4"	0.187	0.250	0.0315	9	1000(c)	2-Box	32	26.40
	250-307-1000	5/16"	0.250	0.307	0.028	10	1000(c)	2-Box	32	37.50
	250-350-500	11/32"	0.250	0.350	0.050	19	500(c)	2-Box	32	25.73


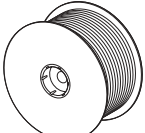
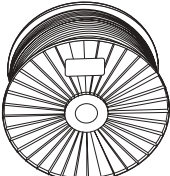
POLY SWING RISER PIPE (MAX OPERATING PRESSURE; 80PSI @ 110 DEG.)

	PART NO.	SIZE	ID	OD	WALL	WT/1000'	LENGTH	BOX	PRICE/COIL
	* 490-690-100	1/2"	0.49	0.69	0.1	78	100'	5-Box	21.10
	490-690-10	1/2"	0.49	0.69	0.1	78	10'	10-Bundle	2.25

HYDRAULIC CONTROL TUBING

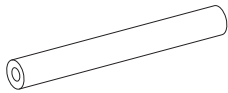
	PART NO.	SIZE	ID	OD	WALL	WT/1000'	LENGTH	BOX	PRICE/COIL
	* 125-250-2500	1/4"	0.125	0.25	0.062	15	2500'(s)	Bulk	142.00

VINYL DISTRIBUTION TUBING

	PART NO.	SIZE	ID	OD	WALL	WT/1000'	LENGTH	BOX	PALLET	COIL
 s = self-coil	125-185V-100	3/16"	0.125	0.185	0.030	10	100(s)	30-Box	480	2.85
	125-185V-1000	3/16"	0.125	0.185	0.030	10	1000(c)	4-Box	64	24.38
	125-185V-2000	3/16"	0.125	0.185	0.030	10	2000(c)	2-Box	32	45.00
 c = cardboard reel with plastic hub	160-220V-100	7/32"	0.160	0.220	0.030	12	100(s)	25-Box	400	3.15
	160-250V-100	1/4"	0.160	0.250	0.045	19	100(s)	20-Box	380	4.80
	160-250V-1000	1/4"	0.160	0.250	0.045	19	1000(c)	2-Box	32	42.95
	160-300V-1000	5/16"	0.160	0.300	0.070	30	1000(c)	2-Box	32	67.50
 p = plastic reel										

POLYETHYLENE & VINYL TUBING



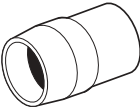
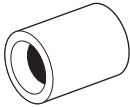

FLEXIBLE PVC IPS HEAVY HOSE



PART NO.	SIZE	ID	OD	WALL	WT/COIL	LENGTH	PACKED	EACH
5IPS100	1/2"	0.546	0.840	0.147	20.5	100'	Bulk	\$40.50
7IPS100	3/4"	0.742	1.050	0.154	27.5	100'	Bulk	58.50
5IPS200	1/2"	0.546	0.840	0.147	41	200'	Bulk	80.00
7IPS200	3/4"	0.742	1.050	0.154	55	200'	Bulk	116.00
1IPS100	1"	.957	1.315	.179	41	100'	Bulk	87.00
524IPS	1/2"	0.546	0.84	0.147	-	24"	25	.86
530IPS	1/2"	0.546	0.84	0.147	-	30"	25	1.02
536IPS	1/2"	0.546	0.84	0.147	-	36"	25	1.27
542IPS	1/2"	0.546	0.84	0.147	-	42"	25	1.48
548IPS	1/2"	0.546	0.84	0.147	-	48"	25	1.70
724IPS	3/4"	0.742	1.05	0.154	-	24"	25	1.20
730IPS	3/4"	0.742	1.05	0.154	-	30"	25	1.54
736IPS	3/4"	0.742	1.05	0.154	-	36"	25	1.84
742IPS	3/4"	0.742	1.05	0.154	-	42"	25	2.15
748IPS	3/4"	0.742	1.05	0.154	-	48"	25	2.45
130IPS	1"	.957	1.315	.179	-	30"	20	2.16
1360IPS	1"	.957	1.315	.179	-	36"	20	2.60

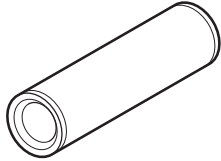
Please Note: Special cut lengths are available. Minimum quantities will apply

PE HOSE FITTINGS

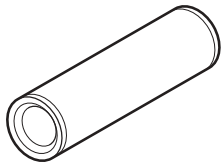
	PART	DESCRIPTION	BAG	BOX	EACH	
SOCKET ADAPTERS						
	A250CA	.250 comp x 1/2" PVC socket Orange	100	3500	\$0.18	
	A307CA	.307 comp x 1/2" PVC socket Gray	100	3500	0.18	
	A350CA	.350 comp x 1/2" PVC socket Black	100	3500	0.18	
	A455CA	.455 comp x 1/2" PVC socket Red	100	3500	0.18	
	A435CA	.490 comp x 1/2" PVC socket Brown	100	3500	0.18	
	A450CA	.510 comp x 1/2" PVC socket White	100	3500	0.18	
	A500CA	.580 comp x 1/2" PVC socket Yellow	100	3500	0.18	
	A600CA	.620 comp x 1/2" PVC socket Green	100	3500	0.18	
	A660CA	.660 comp x 1/2" PVC socket Brown	100	3500	0.18	
		A700CA	.685/.700 comp x 1/2" PVC socket Black	100	3500	0.18
A710CA		.700/.710 comp x 1/2" PVC socket Blue	100	3500	0.18	
A790CA		.790 comp x 1/2" PVC socket Green	50	1800	0.34	
A800CA		.820 comp x 3/4" PVC socket Black	50	1800	0.34	
A900CA		.940 comp x 3/4" PVC socket Gray	50	1800	0.34	
Note: Use ABS to PVC glue						
		A455A	455 comp. x OD cements into 1/2" PVC socket	20	400	0.25
	A600A	600 comp. x OD cements into 1/2" PVC socket	20	400	0.25	
	A700A	700 comp. x OD cements into 1/2" PVC socket	20	400	0.25	
	A710A	710 comp. x OD cements into 1/2" PVC socket	20	400	0.25	
		A800A	800 comp. x ID cements over 3/4" PVC pipe	Each	50	0.61
		A900A	900 comp. x ID cements over 3/4" PVC pipe	Each	50	0.61
A1000A		1000 comp x ID cements over 1" PVC pipe	Each	50	1.07	
	A455SA	455 comp. x ID cements over 1/2" PVC pipe; OD cements into 3/4" PVC socket	25	300	0.33	
	A600SA	600 comp. x ID cements over 1/2" PVC pipe; OD cements into 3/4" socket	25	300	0.33	
	A700SA	700 comp. x ID cements over 1/2" PVC pipe; OD cements into 3/4" PVC socket	25	300	0.33	
	A710SA	710 comp. x ID cements over 1/2" PVC pipe; OD cements into 3/4" PVC socket	25	300	0.33	
	A800SA	800 comp. x ID cements over 1" PVC pipe; OD cements into 1 1/4" socket	Each	200	0.33	
	A900SA	900 comp. x ID cements over 1" PVC pipe; OD cements into 1 1/4" socket	Each	200	0.68	
	A1000SA	1000 comp. x ID cements over 1 1/4" PVC pipe	Each	200	1.29	

PE HOSE FITTINGS

PART	DESCRIPTION	BAG	BOX	EACH
COMPRESSION COUPLERS				
A455CC	455 Compression Coupler (fits P455 tubing)	100	500	\$0.53
A600CC	600 Compression Coupler (fits .620 OD tubing)	100	500	0.53
A660CC	660 Compression Coupler (fits .660 OD tubing)	100	500	0.53
A700CC	700 Compression Coupler (fits .700 OD tubing)	100	500	0.53
A710CC	710 Compression Coupler (fits .710 OD tubing)	100	500	0.53
A790CC	790 Compression Coupler (fits .790 OD tubing)	50	500	0.95
A800CC	800 Compression Coupler (fits .820 OD tubing)	50	500	0.72
A900CC	900 Compression Coupler (fits .940 OD tubing)	50	500	0.72
A1000CC	1000 Compression Coupler (fits 1.200 OD tubing)	50	100	2.40



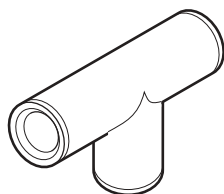
COMPRESSION REDUCING COUPLERS				
A455700R	455 x 700 Socket Reducing Coupler (reduces .700 OD to P455 tubing)	100	500	0.57
A700800R	700 x 800 Socket Reducing Coupler (reduces .820 OD to .700 OD tubing)	50	500	1.19
A700900R	700 x 900 Socket Reducing Coupler (reduces .940 OD to .700 OD tubing)	50	500	1.19
A710900R	710 x 900 Socket Reducing Coupler (reduces .940 OD to .710 OD tubing)	50	500	1.19
A800900R	800 x 900 Socket Reducing Coupler (reduces .940 OD to .820 OD tubing)	50	500	1.19
A9001000R	900 x 1000 Socket Reducing Coupler (reduces 1.200 OD to .940 OD tubing)	25	100	2.40



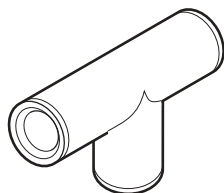
See page 40 for size chart

PE HOSE FITTINGS

PART	DESCRIPTION	BAG	BOX	EACH
COMPRESSION TEES				
A455C3T	455 x 455 x 455 3-Way Compression Tee (Fits P455 tubing)	50	250	\$0.84
A700C3T	700 x 700 x 700 3-Way Compression Tee (Fits .700 OD tubing)	50	250	0.84
A600C3T	600 x 600 x 600 3-Way Compression Tee (Fits .620 OD tubing)	50	250	0.84
A660C3T	660 x 660 x 660 3-Way Compression Tee (Fits .660 OD tubing)	50	250	0.84
A710C3T	710 x 710 x 710 3-Way Compression Tee (Fits .710 OD tubing)	50	250	0.84
A790C3T	790 x 790 x 790 3-Way Compression Tee (Fits .790 OD tubing)	25	100	1.64
A800C3T	800 x 800 x 800 3-Way Compression Tee (Fits .820 OD tubing)	25	100	1.64
A900C3T	900 x 900 x 900 3-Way Compression Tee (Fits .940 OD tubing)	25	100	1.64
A1000C3T	1000 x 1000 x 1000 3-Way Compression Tee (Fits 1.200 OD tubing)	Each	50	3.80



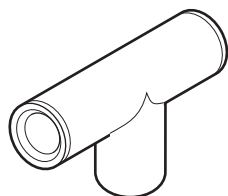
REDUCING COMPRESSION TEES				
A454570RT	455 x 455 x 700 3-Way Reducing Tee (P455x P455 x .700 OD tubing)	25	100	1.30
A707045RT	700 x 700 x 455 3-Way Reducing Tee (.700 OD x .700 OD x P455)	25	100	1.30
A707090RT	700 x 700 x 900 3-Way Reducing Tee (.700 OD & .700 OD x .940 OD tubing)	25	100	1.30
A808090RT	800 x 800 x 900 3-Way Reducing Tee (.820 OD x .820 OD x .940 OD tubing)	25	100	1.70
A909071RT	900 x 900 x 710 3-Way Reducing Tee (.940 OD x .940 OD x .710 OD tubing)	25	100	1.70
A909010RT	900 x 900 x 1000 3-Way Reducing Tee (.940 OD x .940 OD x 1.200 OD tubing)	Each	50	3.89



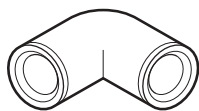
See page 40 for size chart

PE HOSE FITTINGS

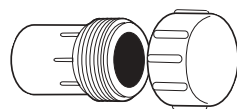
PART	DESCRIPTION	BAG	BOX	EACH
COMPRESSION SOCKET TEES				
A455CTS	455 x 455 x 1/2" Socket Tee (fits P455 tubing)	50	250	\$1.25
A600CTS	600 x 600 x 1/2" Socket Tee (fits .620 OD tubing)	50	250	1.25
A660CTS	660 x 660 x 1/2" Socket Tee (fits .660 OD tubing)	50	250	1.25
A700CTS	660 x 660 x 1/2" Socket Tee (fits .700 OD tubing)	50	250	1.25
A710CTS	710 x 710 x 1/2" Socket Tee (fits .710 OD tubing)	50	250	1.25
A790CTS	790 x 790 x 3/4" Socket Tee (fits .790 OD tubing)	25	100	1.70
A800CTS	800 x 800 x 3/4" Socket Tee (fits .820 OD tubing)	25	100	1.70
A900CTS	900 x 900 x 3/4" Socket Tee (fits .940 OD tubing)	25	100	1.70
A1000CTS	1000 x 1000 x 3/4" Socket Tee (fits 1.200 OD tubing)	Each	50	3.50



COMPRESSION ELBOWS				
A455CEL	455 x 455 Elbow (fits P455 tubing)	50	500	0.80
A600CEL	600 x 600 Elbow (fits .620 OD tubing)	50	500	0.80
A700CEL	700 x 700 Elbow (fits .700 OD tubing)	50	500	0.80
A710CEL	710 x 710 Elbow (fits .710 OD tubing)	50	500	0.80
A790CEL	790 x 790 Elbow (fits .790 OD tubing)	25	250	0.80
A800CEL	800 x 800 Elbow (fits .820 OD tubing)	25	250	0.80
A900CEL	940 x 940 Elbow (fits .940 OD tubing)	25	250	0.80

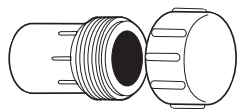


COMPRESSION END CAPS				
A455CETC	455 x 3/4" FHT End Cap, w/green cap (fits P455 tubing)	50	500	0.80
A600CETC	600 x 3/4" FHT End Cap, w/green cap (fits .620 OD tubing)	50	500	0.80
A660CETC	660 x 3/4" FHT End Cap, w/green cap (fits .660 OD tubing)	50	500	0.80
A700CETC	700 x 3/4" FHT End Cap, w/green cap (fit .700 OD tubing)	50	500	0.80



PE HOSE FITTINGS

PART	DESCRIPTION	BAG	BOX	EACH
COMPRESSION END CAPS (CONTINUED)				
A710CETC	710 x 3/4" FHT End Cap, w/green cap (fits .710 OD tubing)	50	500	\$0.80
A790CETC	790 x 3/4" FHT End Cap w/ green cap (fits .790 OD tubing)	25	250	1.35
A800CETC	800 x 3/4" FHT End Cap w/ green cap (fits .820 OD tubing)	25	250	1.35
A900CETC	900 x 3/4" FHT End Cap, w/green cap (fits .940 OD tubing)	25	250	1.35
A1000CETC	1000 x 3/4" FHT End Cap, w/ green cap (fits 1.200 OD tubing)	25	100	1.35



COMPRESSION X 3/4" MHT BALL VALVE				
A455CE3/4B	Manual Flushing End Plug, 3/4" ball valve x 455	50	200	2.85
A600CE3/4B	Manual Flushing End Plug, 3/4" ball valve x 600	50	200	2.85
A700CE3/4B	Manual Flushing End Plug, 3/4" ball valve x 700	50	200	2.85
A710CE3/4B	Manual Flushing End Plug, 3/4" ball valve x 710	50	200	2.85
A800CE3/4B	Manual Flushing End Plug, 3/4" ball valve x 800	25	200	3.30
A900CE3/4B	Manual Flushing End Plug, 3/4" ball valve x 900	25	200	3.30

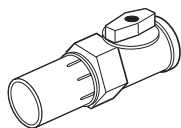
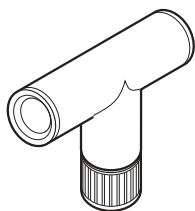


FIGURE "8" END CLOSURES				
AF8700	Figure Eight End Closure for .620 - .710 OD tube	100	2000	0.17
AF8900	Figure Eight End Closure for .820 - .940 OD tube	25	2000	0.36
AC5	End closure all 1/2" PE Hose	100	-	.11
AC5G	End closure all 1/2" PE Hose Gaylord	-	20,000	.10



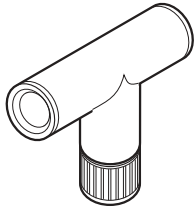
COMPRESSION SWIVEL TEES W/ 3/4" FEMALE HOSE THREAD				
A455CST	455 x 455 x 3/4" FHT Swivel Tee, green swivel, (fits P455 tubing)	50	250	1.02
A600CST	600 x 600 x 3/4" FHT Swivel Tee, green swivel, (fits .620 OD tubing)	50	250	1.02
A660CST	660 x 660 x 3/4" FHT Swivel Tee, green swivel, (fits .660 OD tubing)	50	250	1.02
A700CST	700 x 700 x 3/4" FHT Swivel Tee, green swivel, (fits .700 OD tubing)	50	250	1.02



COMPRESSION & TAPE FITTINGS

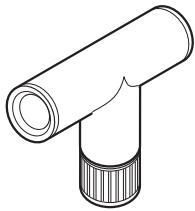
PE HOSE FITTINGS

COMPRESSION SWIVEL TEES W/ 3/4" FEMALE HOSE THREAD (CONTINUED)



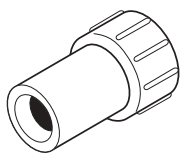
PART	DESCRIPTION	BAG	BOX	EACH
A710CST	710 x 710 x 3/4" FHT Swivel Tee, green swivel, (fits .710 OD tubing)	50	250	\$1.02
A790CST	790 x 790 x 3/4" FHT Swivel Tee, green swivel, (fits .790 OD tubing)	25	200	2.25
A800CST	800 x 800 x 3/4" FHT Swivel Tee, green swivel, (fits .820 OD tubing)	25	200	2.10
A900CST	900 x 900 x 3/4" FHT Swivel Tee, green swivel, (fits .940 OD tubing)	25	200	2.10
A1000CST	1000 x 1000 x 3/4" FHT Swivel Tee, green swivel, (fits 1.200 OD tubing)	Each	100	3.89

COMPRESSION SWIVEL TEES W/ 3/4" FEMALE PIPE THREAD



A455CPST	455 x 455 x 3/4" FPT Swivel Tee, black swivel, (fits P455 tubing)	50	250	1.02
A600CPST	600 x 600 x 3/4" FPT Swivel Tee, black swivel, (fit .620 OD tubing)	50	250	1.02
A660CPST	660 x 660 x 3/4" FPT Swivel Tee, black swivel, (fits .660 OD tubing)	50	250	1.02
A700CPST	700 x 700 x 3/4" FPT Swivel Tee, black swivel, (fits .700 OD tubing)	50	250	1.02
A710CPST	710 x 710 x 3/4" FPT Swivel Tee, black swivel, (fits .710 OD tubing)	50	250	1.02
A790CPST	790 x 790 x 3/4" FPT Swivel Tee, black swivel, (fits .790 OD tubing)	25	200	2.25
A800CPST	800 x 800 x 3/4" FPT Swivel Tee, black swivel, (fits .820 OD tubing)	25	200	2.10
A900CPST	900 x 900 x 3/4" FPT Swivel Tee, black swivel, (fits .940 OD tubing)	25	200	2.10
A1000CPST	1000 x 1000 x 3/4" FPT Swivel Tee, black swivel, (fits 1.200 OD tubing)	Each	100	3.89

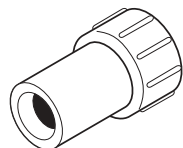
COMPRESSION SWIVEL ADAPTERS W/ 3/4" FEMALE HOSE THREAD



A455CHS	455 x 3/4" FHT Swivel Adapter, green swivel, (fits P455 tubing)	50	500	0.81
A600CHS	600 x 3/4" FHT Swivel Adapter, green swivel, (fits .620 OD tubing)	50	500	0.81
A660CHS	660 x 3/4" FHT Swivel Adapter, green swivel, (fits .660 OD tubing)	50	500	0.81
A700CHS	700 x 3/4" FHT Swivel Adapter, green swivel, (fits .700 OD tubing)	50	500	0.81

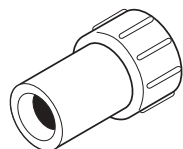
PE HOSE FITTINGS

COMPRESSION SWIVEL ADAPTERS W/ 3/4" FEMALE HOSE THREAD (CONTINUED)



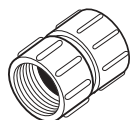
PART	DESCRIPTION	BAG	BOX	EACH
A710CHS	710 x 3/4" FHT Swivel Adapter, green swivel, (fits .710 OD tubing)	50	500	\$0.81
A790CHS	790 x 3/4" FHT Swivel Adapter, green swivel, (fits .790 OD tubing)	25	300	1.62
A800CHS	800 x 3/4" FHT Swivel Adapter, green swivel, (fits .820 OD tubing)	25	300	1.62
A900CHS	900 x 3/4" FHT Swivel Adapter, green swivel, (fits .940 OD tubing)	25	300	1.62
A1000CHS	1000 x 3/4" FHT Swivel Adapter, green swivel, (fits 1.200 OD tubing)	20	200	2.40

COMPRESSION SWIVEL ADAPTERS W/ 3/4" FEMALE PIPE THREAD



A455CPS	455 x 3/4" FPT Swivel Adapter black swivel, (fits P455 tubing)	50	500	0.81
A600CPS	600 x 3/4" FPT Swivel Adapter black swivel, (fits .620 OD tubing)	50	500	0.81
A700CPS	700 x 3/4" FPT Swivel Adapter black swivel, (fits .700 OD tubing)	50	500	0.81
A710 CPS	710 x 3/4" FPT Swivel Adapter black swivel, (fits .710 OD tubing)	50	500	0.81
A800CPS	800 x 3/4" FPT Swivel Adapter black swivel, (fits .820 OD tubing)	25	300	1.62
A900CPS	900 x to 3/4" FPT Swivel Adapter black swivel, (fits .940 OD tubing)	25	300	1.62
A1000CPS	1000 x 3/4" FPT Swivel Adapter black swivel, (fits .1.200 OD tubing)	20	200	2.40

SWIVEL CONNECTORS



A660SWC	3/4" FHT x 3/4" FHT Swivel Connector, green swivel x green swivel	25	500	1.84
A660SWCHP	3/4" FHT x 3/4" FPT Swivel Connector, green swivel x black swivel	25	500	1.84
A660SWCP	3/4" FPT x 3/4" FPT Swivel Connector, black swivel x black swivel	25	500	1.84



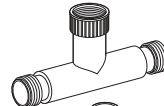
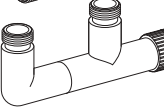
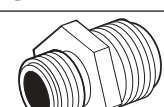
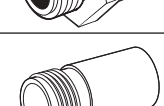
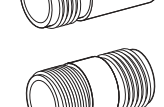
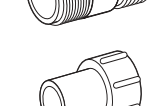
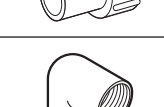
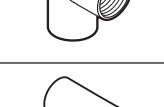
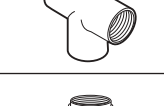
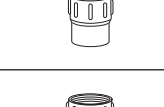
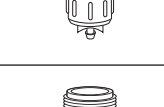


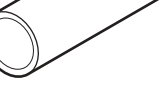

Customize Your Swivel Fittings

PART# +S	Add a 3/4" cone screen washer	+20
PART# +V	Add a schrader valve	+3.30

PE HOSE FITTINGS



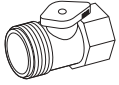


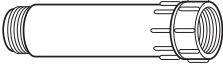
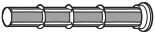
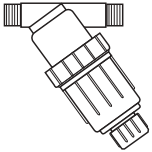
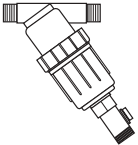
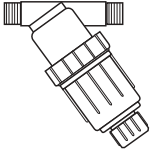
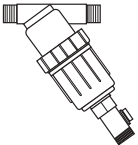

	PART	DESCRIPTION	BAG	BOX	EACH
MALE ADAPTERS (COMPRESSION X MHT)					
	A455CE	3/4" MHT Adapter x P455 tubing	50	500	\$0.53
	A600CE	3/4" MHT Adapter x .620 OD tubing	50	500	0.53
	A660CE	3/4" MHT Adapter x .660 OD tubing	50	500	0.53
	A700CE	3/4" MHT Adapter x .700 OD tubing	50	500	0.53
	A710CE	3/4" MHT Adapter x .710 OD tubing	50	500	0.53
	A790CE	3/4" MHT Adapter x .790 OD tubing	25	250	1.05
	A800CE	3/4" MHT Adapter x .820 OD tubing	25	250	1.05
	A900CE	3/4" MHT Adapter x .940 OD tubing	25	250	1.05
	A1000CE	3/4" MHT Adapter x 1.200 OD tubing	20	250	1.60
	MALE ADAPTERS (COMPRESSION X MPT)				
	A600CRMA	3/4" MPT Adapter x .620 OD tubing	50	600	0.65
	A700CRMA	3/4" MPT Adapter x .700 OD tubing	50	600	0.65
	A710CRMA	3/4" MPT Adapter x .710 OD tubing	50	600	0.65
	A900CRMA	3/4" MPT Adapter x .940 OD tubing	25	100	1.62
	A455CMA	1/2" MPT Adapter x P455 tubing	50	600	0.70
	A600CMA	1/2" MPT Adapter x .620 OD tubing	50	600	0.70
	A700CMA	1/2" MPT Adapter (fits .700 OD tubing)	50	600	0.70
	A710CMA	1/2" MPT Adapter (fits .710 OD tubing)	50	600	0.70
HOSE & PIPE THREAD ADAPTERS					
	A1/2MHA	3/4" MHT Adapter x 1/2" slip Socket	50	500	0.65
	A3/4MHA	3/4" MHT Adapter x 3/4" slip Socket	50	500	0.75
	A1/2MHA90	3/4" MHT adapter x 1/2 SLIP 90deg ELL	50	500	1.10
	A3/4MHA90	3/4" MHT adapter x 3/4" SLIP 90deg ELL	50	500	1.25
	A3/4MHS	3/4" MHT Adapter, OD cements in 1/2" PVC spigot	50	500	0.75
	A1/2MA	1/2" slip X 1/2" MPT Adapter, OD fits 1/2" socket	50	500	0.60
	A3/4MA	3/4" slip x 3/4" MPT Adapter, OD fits 3/4", ID fits 1/2" slip	50	500	0.65
	A640HP	3/4" MHT x 1/2" MPT Hose-to-Pipe Adapter	50	1200	0.59
	A660HP	3/4" MHT x 3/4" MPT Hose-to-Pipe Adapter	50	1200	0.59

PE HOSE FITTINGS

	PART	DESCRIPTION	BAG	BOX	EACH
HOSE THREAD ADAPTERS					
	AMST	3/4" MHT x 3/4" MHT x 3/4" FHS Tee	50	500	\$1.15
	AF	3/4" MHT x 3/4" MHT x 3/4" FHS "F"	25	250	2.50
	AFAM-5075	1/2" MPT x 3/4" MPT Reducing Adapter, PVC	50	1200	0.60
	AFAM-7550	3/4" MPT x 1/2" FPT Reducing Adapter, PVC	50	1200	0.72
	AFAM-H2P	3/4" MHT x 3/4" slip, PVC	25	500	0.60
	AFAM-H3P	3/4" MHT x 3/4" MPT, PVC	25	500	0.60
	AFAM-H5P	3/4" MPT x 3/4" FHT Swivel, PVC	25	500	1.80
	AFAS-5-7	1/2" slip x 3/4" FHT Swivel, PVC	25	500	1.80
	AFPP-1114	3/4" MHT x 1/2" spigot, PVC	25	500	.60
	A7550E	Elbow 3/4" FPT x 1/2" FPT	10	100	1.47
	A7750T	Tee 3/4" FPT x 3/4" FPT x 1/2" FPT	10	80	1.82
	AFPA640	Adapter 3/4" FPT x 1/2" FPT	10	150	0.57
	AFPA630B	Adapter 3/4" FPT x .300 Barb with saddle	10	150	0.68
	AMPA425B	Adapter 1/2" MPT x .300 Barb	25	150	0.68
SOCKET COUPLINGS					
	ASAH-100	3/4" Socket Coupling, Black	50	500	0.70
	ASAH-50	1/2" Socket Coupling, Black	50	500	0.50
	Note: Use ABS to PVC glue				
HOSE ACCESSORIES					
	A600C	3/4" FHT Cap w/Washer - Green	50	1000	0.41
	A600W	3/4" Washer		100	0.05
	A600WS	3/4" Cone Screen washer 60 x 50 stainless steel mesh		100	0.30

COMPRESSION & TAPE FITTINGS

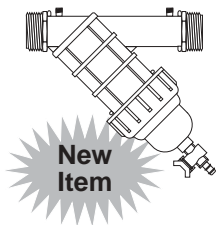
PE HOSE FITTINGS

	PART	DESCRIPTION	BAG	BOX	EACH
ACCESSORIES					
	AGP24	Dual Plug, to plug holes from .075" to .225"	100	10,000	\$0.038
	AHP25	Single Plug, to plug holes from .075 to .170	100	10,000	0.035
3/4" MANUAL BALL VALVES					
	A35	3/4" FHT x 3/4" MHT ball valve	25	500	1.88
	A35P	3/4" FPT x 3/4" MPT ball valve	25	500	1.88
	A235	3/4" FHT x 3/4" MHT x 3/4" MHT "Y" ball valve	10	250	3.20
FILTERS					
	AIF	3/4" Inline Filter w/120 mesh screen 3/4" MHT x 3/4" FHT	Each	50	5.00
	AIF30	3/4" Inline Filter w/30 mesh screen 3/4" MHT x 3/4" FHT	Each	50	5.00
	AIFH6	3/4" MHT x 3/4" FHT Filter Housing Only Order screen separately	Each	75	3.10
	AIN5	120 Mesh Screen only	Each	150	2.66
	AIN30	30 Mesh Screen Only	Each	150	2.66
	AFPC64	3/4" Y-Filter, 12GPM (Plastic), 155 Nylon mesh 3/4" MPT x 3/4" MPT with flush cap	Each	16	13.00
	AFPC64S	3/4" Y-Filter, 12GPM (Plastic), 155 SS mesh 3/4" MPT x 3/4" MPT with flush cap	Each	16	13.00
	AFPV64	3/4" Y-Filter, 12GPM (Plastic), 155 Nylon mesh 3/4" MPT x 3/4" MPT with flush valve	Each	16	16.00
	AFPC64S	3/4" Y-Filter, 12GPM (Plastic), 155 SS mesh 3/4" MPT x 3/4" MPT with flush valve	Each	16	16.00
	AFPC14	1" Y-Filter, 12GPM (Plastic), 155 Nylon mesh 1" MPT x 1" MPT with flush cap	Each	16	14.00
	AFPC14S	1" Y-Filter, 12GPM (Plastic), 155 SS mesh 1" MPT x 1" MPT with flush cap	Each	16	17.00
	AFPV14	1" Y-Filter, 12GPM (Plastic), 155 Nylon mesh 1" MPT x 1" MPT with flush valve	Each	16	16.00
	AFPV14S	1" Y-Filter, 12GPM (Plastic), 155 SS mesh 1" MPT x 1" MPT with flush valve	Each	16	19.00
	AFS64	Filter Screen, fits 3/4" & 1" 12GPM filters 155 Nylon mesh, includes 2 O-rings	Each	15	3.90
	AFS64S	Filter Screen, fits 3/4" & 1" 12GPM filters 155 Stainless Steel mesh, includes 2 O-rings	Each	15	6.90

COMPRESSION & TAPE FITTINGS

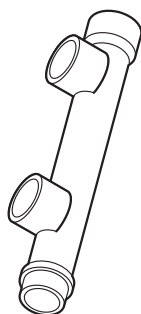
PE HOSE FITTINGS

FILTERS (CONTINUED)



PART	DESCRIPTION	BAG	BOX	EACH
A3388-0065	1 1/2" Filter 60 Mesh/Flush	1	15	\$80.00
A3388-0125	1 1/2" Filter 120 Mesh/Flush	1	15	80.00
A3388-0155	1 1/2" Filter 155 Mesh/Flush	1	15	80.00
A3388-0066	2" Filter 60 Mesh/Flush	1	15	120.00
A3388-0126	2" Filter 120 Mesh/Flush	1	15	120.00
A3388-0156	2" Filter 155 Mesh/Flush	1	15	120.00

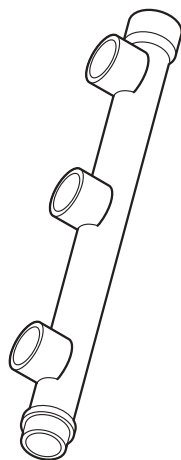
TWO VALVE MANIFOLDS



AFMDO75S	3/4" Socket x 3/4" Slip Manifold with two 3/4" Socket Valve Outlets		10	7.25
AFMDO75T	3/4" Socket x 3/4" Slip Manifold with two 3/4" FTP Valve Outlets		10	8.70
AFMD100S	1" Socket x 1" Slip Manifold with two 1" Slip Valve Outlets		10	8.90
AFMD100T	1" Socket x 1" Slip Manifold with two 1" FTP Valve Outlets		10	11.20
AFMD175S	1" Socket x 1" Slip Manifold with two 3/4" Slip Valve Outlets		10	9.35
AFMD175T	1" Socket x 1" Slip Manifold with two 3/4" FTP Valve Outlets		10	11.70

One-piece manifolds simplify valve installation and insure correct valve spacing.

THREE VALVE MANIFOLDS

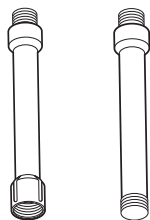


AFMDO75S	3/4" Socket x 3/4" Slip Manifold with three 3/4" Socket Valve Outlets		10	7.50
AFMDO75T	3/4" Socket x 3/4" Slip Manifold with three 3/4" FTP Valve Outlets		10	9.85
AFMD100S	1" Socket x 1" Slip Manifold with three 1" Slip Valve Outlets		10	10.60
AFMD100T	1" Socket x 1" Slip Manifold with three 1" FTP Valve Outlets		10	12.85
AFMD175S	1" Socket x 1" Slip Manifold with three 3/4" Slip Valve Outlets		10	11.00
AFMD175T	1" Socket x 1" Slip Manifold with three 3/4" FTP Valve Outlets		10	13.40

One-piece manifolds simplify valve installation and insure correct valve spacing.

PE HOSE FITTINGS

MICRO SPRINKLER RISER EXTENSIONS



PART	DESCRIPTION	BAG	BOX	EACH
ASRE-3838	3/8" MPT x 3/8" FPT x 6" Riser Extension	25	1000	\$.65
ASRE-3850	3/8" MPT x 1/2" MPT x 6" Riser Extension	25	1000	.65

SCHRADER VALVE



APS18	Schrader valve x 1/8" male pipe thread		25	2.20
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P-CURLS



P-CURL
Available
in Gaylord
Quantities

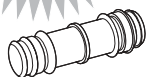
**Improved
for 2002**

Increased Strength!

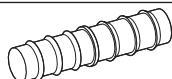
PCURL402A	1/2" diameter x 2" long P-Curl for 620 x 710 tube	5000		0.033
PCURL402AG	Gaylord Quantity		50,000	0.026
PCURL403A	1/2" diameter x 3" long P-Curl for 620 x 710 tube	3000		0.040
PCURL403AG	Gaylord Quantity		40,000	0.033
PCURL404A	1/2" diameter x 4" long P-Curl for 620 x 710 tube	2500		0.053
PCURL404AG	Gaylord Quantity		25,000	0.046
PCURL703A	3/4" diameter x 3" long P-Curl for 820 x 940 tube	2000		0.042
PCURL703AG	Gaylord Quantity		20,000	0.037
PCURL704A	3/4" diameter x 4" long P-Curl for 820 x 940 tube	2000		0.053
PCURL704AG	Gaylord Quantity		15,000	0.048
PCURL706A	3/4" diameter x 6" long P-Curl for 820 x 940 tube	1500		0.056
PCURL706AG	Gaylord Quantity		15,000	0.050
PCURL710A	3/4" diameter x 10" long P-Curl for 820 x 940 tube		750	0.125
PCURL710AG	Gaylord Quantity		6,000	0.120

INSERT FITTINGS

**New
Items**



A3096-1616	16MM Safety Coupling (Fits .520 I.D. tube)	100	5000	0.22
A3096-1818	18 MM Safety Coupling (Fits .620 I.D. tube)	100	4000	0.32
A3096-2020	20MM Safety Coupling (Fits .720 I.D. tube)	100	3000	0.40



A3100-0012	12MM Insert Coupling (Fits .375 I.D. tube)	100	5000	0.19
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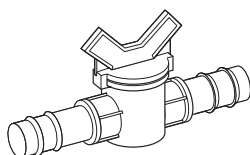


A3107-0012	12 MM Insert x Barb	100	9000	0.16
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A3321-1601	16MM Insert x 1/2" MPT	100	3000	0.27
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A3321-2002	20MM Insert x 3/4" MPT	100	1700	0.27
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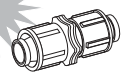
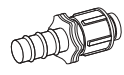
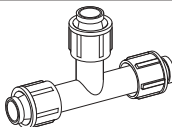
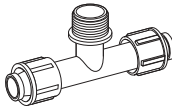
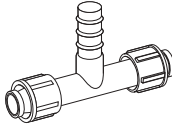
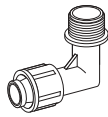


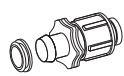


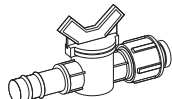


A3157-1616	16MM Insert Mini Valve	50	800	1.31
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A3157-1818	18MM Insert Mini Valve	50	800	1.31
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
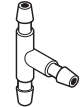
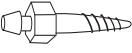






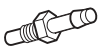
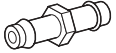
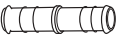
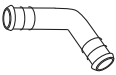
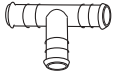
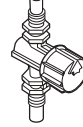
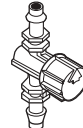
A3157-2020	20MM Insert Mini Valve	50	750	1.47
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PE HOSE FITTINGS

	PART	DESCRIPTION	BAG	BOX	EACH
DRIP TAPE FITTINGS					
 	A3143-1717	5/8" Tape Coupling	100	1300	\$0.45
	A3143-2222	7/8" Tape Coupling	100	800	1.01
	A3146-1217	12MM Insert x 5/8" Tape	100	2000	0.51
	A3146-1617	16MM Insert x 5/8" Tape	100	2000	0.51
	A3146-2022	20MM Insert x 7/8" tape	100	1000	0.67
	A3188-1717	5/8" Tape Tee	50	800	1.33
	A3184-0171	5/8" tape x 1/2" MPT Tee	50	400	1.47
	A3184-0172	5/8" tape x 3/4" MPT Tee	50	800	1.47
	A3147-1716	5/8" Tape x 16 MM Insert Tee	50	1000	1.73
	A3138-0172	5/8" Tape X 3/4" MPT Ell	100	1500	1.33
	A3148-0117	5/8" Tape x 1/2" MPT Nipple	100	2200	0.67
	A3148-1217	5/8" Tape x 3/4" MPT Nipple	100	1000	0.67
	A3148-1222	7/8" Tape x 3/4" MPT Nipple	100	2400	0.85
	A3137-1017	5/8" Tape x #10 Barb Starter	100	2000	0.45
	A3137-1022	7/8" Tape x #10 Barb Starter	100	1200	0.59
	A3137-1822	7/8" Tape x #18 Barb Starter	100	1200	0.85
	A3140-0017	5/8" Tape x Grommet Barb	100	2000	0.77
	A3139-0017	Layflat x 5/8" Tape	100	1600	0.67
	A3510-0001	Layflat x 1/2" FPT	100	2000	0.64
	A3510-0002	Layflat x 3/4" FPT	100	1800	0.64
	A3168-1617	16MM x 5/8" Tape Mini Valve	50	700	2.67
	A3159-0102	1/2" MPT x 3/4" FPT Mini Valve	50	700	2.67

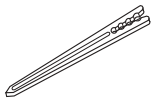
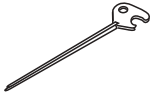
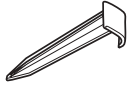

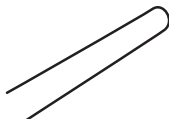
COMPRESSION & TAPE FITTINGS

PE HOSE FITTINGS

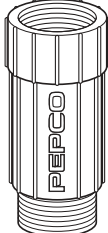
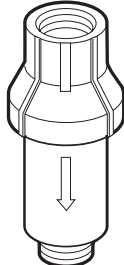
	PART	DESCRIPTION	BAG	BOX	EACH
INSERT BARB & THREAD MICRO-FITTINGS					
	125C	1/8" Connector, barb x barb (fits .125 ID tubing)	100	3000	\$0.05
	125T	1/8" Tee, barb x barb x barb (fits .125 ID tubing)	100	3000	0.11
	TC125	Barb x Thread Connector for .125 ID Tubing	100	3000	0.09
	250RC	1/4" to 1/8" Reducer (Connects .125" ID tube to .160 or .170 ID tube)	100	3000	0.11
	250RL	1/4" to 1/8" Reducer Elbow (Connects .125" ID tube to .160 or .170 ID tube)	100	3000	0.13
	250BC	1/4" Connector, barb x barb (fits .160 ID to .170 ID tubing)	100	3000	0.07
	250BL	1/4" Elbow, barb x barb (fits .160 ID to .170 ID tubing)	100	3000	0.07
	250BT	1/4" Tee, barb x barb x barb (fits .160 ID to .170 ID tubing)	100	3000	0.10
	RA1032	10-32 thd. x 10-32 thd. Connector	100	3000	0.08
	RAB170	10-32 thd x .177 Barb Connector	100	3000	0.08\
	187BCA	1/4" Barb x Barb Connector (fits .170 ID to .187 ID tubing)	100	3000	0.07
<hr/>					
	600BCA	1/2" Barbed Connector for .520 ID x .620 OD tube	50	1000	0.18
	600BLA	1/2" Barbed Elbow for .520 ID x .620 OD tube	50	1000	0.23
	600BTA	1/2" Barbed Tee for .520 ID x .620 OD tube	50	1000	0.24
	AVFTT	10-32 thd x 10-32 thd Vari Flow Valve	100	500	0.90
	AVFBB	1/2" Barb x 1/4" Barb Vari Flow Valve	100	500	0.90

COMPRESSION
& TAPE FITTINGS

INSERT MICRO FITTINGS

	PART	DESCRIPTION	BAG	BOX	EACH
SUPPORT STAKES					
	S-2	6" Plastic Support Stake, (Accepts .125 to .350 OD tubing)	100	1000	\$0.10
	S34A	4" Plastic Support Stake. Hole accepts .125-.185 tube and clip can be used to kink and shut off flow. Clip side also supports .125-.185 and .160-.220. tube	100	1000	0.09
	S700	5" Plastic Stake, fits .620 through .710 OD tube	100	1000	0.10
	S8	8" Wire Stake, fits 1/8" through 1/2" tube	100	1000	0.10
	S7A	6" Heavy-Duty Wire Staple - holds up to .940 OD	100	500	0.11

PRESSURE REGULATORS

	RL10PP	3/4" FPT X 3/4" MPT 10 PSI @ 1-8 GPM, Low Flow	12	144	4.68
	RL15PP	3/4" FPT X 3/4" MPT 15 PSI @ 1-8 GPM, Low Flow	12	144	4.68
	RL20PP	3/4" FPT X 3/4" MPT 20 PSI @ 1-8 GPM, Low Flow	12	144	4.68
	RL25PP	3/4" FPT X 3/4" MPT 25 PSI @ 1-8 GPM, Low Flow	12	144	4.68
	RL10HH	3/4" FHT X 3/4" MHT 10 PSI @ 1-8 GPM, Low Flow	12	144	4.68
	RL15HH	3/4" FHT X 3/4" MHT 15 PSI @ 1-8 GPM, Low Flow	12	144	4.68
	RL20HH	3/4" FHT X 3/4" MHT 20 PSI @ 1-8 GPM, Low Flow	12	144	4.68
	RL25HH	3/4" FHT X 3/4" MHT 25 PSI @ 1-8 GPM, Low Flow	12	144	4.68
	RM10PP	3/4" FPT X 3/4" MPT 10 PSI @ 1-15 GPM, Med. Flow	12	144	6.94
	RM20PP	3/4" FPT X 3/4" MPT 20 PSI @ 1-15 GPM, Med. Flow	12	144	6.94
	RM25PP	3/4" FPT X 3/4" MPT 25 PSI @ 1-15 GPM, Med. Flow	12	144	6.94
	RM30PP	3/4" FPT X 3/4" MPT 30 PSI @ 1-15 GPM, Med. Flow	12	144	6.94
	RM10HH	3/4" FHT X 3/4" MHT 10 PSI @ 1-15 GPM, Med. Flow	12	144	6.94
	RM20HH	3/4" FHT X 3/4" MHT 20 PSI @ 1-15 GPM, Med. Flow	12	144	6.94
	RM25HH	3/4" FHT X 3/4" MHT 25 PSI @ 1-15 GPM, Med. Flow	12	144	6.94
	RM30HH	3/4" FHT X 3/4" MHT 30 PSI @ 1-15 GPM, Med. Flow	12	144	6.94

PRESSURE GAUGES

PART	DESCRIPTION	BAG	BOX	EACH
PEPCO/WADE RAIN PRESSURE TEST KIT				



PVK-30 The Pepco/Wade Rain Pressure Test Kit allows for quick and accurate water source test before design. Water is run through a series of quick change nozzles and each pressure reading is plotted on the correct nozzle curve. After all nozzles are plotted, a free curve is drawn through the plotted points. The result is a true dynamic PRESSURE/VOLUME curve for the water source. The curve accurately describes: gross available PSI for a specified flow rate, or maximum flow rate available for a specified system gross pressure requirement.

Each \$79.95

PRESSURE GAUGE



2 1/2" liquid-filled gauge with stainless steel case, bronze tube, brass tube and socket, 1/4" lower connection

WPRG-1	0-100 Pressure Rated Gauge	1	-	24.90
WPRG-1B	0-100 Pressure Rated Gauge Box	-	24	18.68
WPRG-2	0-160 Pressure Rated Gauge	1	-	24.90
WPRG-2B	0-160 Pressure Rated Gauge Box	-	24	18.68
WPRG-3	0-30 Pressure Rated Gauge	1	-	24.90
WPRG-3B	0-30 Pressure Rated Gauge Box	-	24	18.68
WPRG-6	0-60 Pressure Rated Gauge	1	-	24.90
WPRG-6B	0-60 Pressure Rated Gauge Box	-	24	18.68

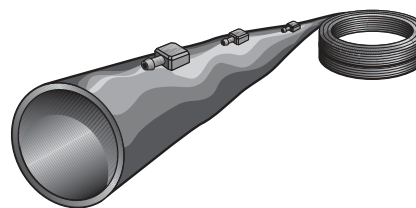
COMPRESSION SELECTION SIZE CHART

Fitting Series Number	Color Code	Nominal Hose Size			
		O.D. Inches	I.D. Inches	O.D. Millimeters	I.D. Millimeters
250	Orange	.250	.170	6.4	4.3
307	Gray	.307	.250	7.8	6.4
350	Black	.350	.250	8.9	6.4
400	Red	.455	.375	11.6	9.5
435	Brown	.490	.400	12.4	10.2
450	White	.510	.435	13.0	11.1
500	Gray	.580	.490	14.7	12.4
600	Green	.620	.520	15.7	13.2
660	Light Brown	.660	.560	16.8	14.2
700	Black	.685-.700	.590	17.6-17.8	15.0
710	Blue	.700-.715	.600	17.8-18.2	15.2
790	Green	.790	.680	20.1	17.3
800	Black	.830	.720	21.1	18.3
900	Gray	.927	.817	23.5	20.8
1000	Black	1.174	1.050	29.8	26.7

TECHNICAL INFORMATION

PRESSURE COMPENSATING TECHNICAL INFORMATION

WADELINE PC AND MICRO-FLAPPER EMITTERLINE Technical Information



Configuration:

- On-line emitter - offers ease of maintenance.
- On-line design - water emitted drops off at emitter rather than running down hose.
- Very low profile one piece unit. Cannot come apart under pressure. Resists damage.
- Inlet has large barb for maximum retention on hose, even under sustained high operating temperatures and pressures.
- Outlet has barb (on MF models) for use with or without discharge tubing.
- Barbless Low Profile (LPMF) model features two slotted outlets to exclude dirt and insects.

Performance Specifications:

Range of Operating pressure: 8 - 60 PSI

Manufacturer's Cv: < 5%

Inlet barb size/hole size required: .145" maximum.
(WADE RAIN RP punch recommended)

Outlet riser size/discharge tubing required: use .125" I.D. vinyl or polyethylene tubing
(WADE RAIN model .125-.185V or .125-.185 recommended)

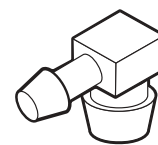
Materials: U.V. protected Polyethylene body, LSR elastomer (molded silicone) flow diaphragm

Filtration Requirements: Micro irrigation emitters require adequate and reliable filtration to ensure performance.

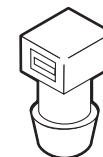
1/2, 3/4, 155 mesh (approximately .003
1, 2 GPH screen or slot opening)

Flow rates and Configurations

Model No.	Description	Mean Flow at 8-60 PSI	Tube Size	Coil Length	Spacing (in)
Acu-Emitter					
MF-1/2	0.5 GPH (2 LPH) Red	.54 GPH	.520-.620	1000'	24, 30, 36,
MF-3/4	.75 GPH (3LPH) Gray	.75 GPH	.600-.700	1000'	40, 42, 48,
MF-1	1 GPH (4 LPH) Black	1.1 GPH	.620-.710	1000'	60, Custom
MF-2	2 GPH (8 LPH) Green	2.2 GPH	.720-.820 .830-.940	1000' 750'	
Low Profile Acu-Emitter with ant bar outlets,					
LPMF-1/2	0.5GPH (2 LPH) Red	.54 GPH	.520-.620	1000'	24, 30, 36,
LPMF-3/4	.75 GPH (3LPH) Gray	.75 GPH	.600-.700	1000'	40, 42, 48,
LPMF1	1 GPH (4 LPH) Black	1.1 GPH	.620-.710	1000'	60, Custom
LPMF2	2 GPH (8 LPH) Green	2.2 GPH	.720-.820 .830-.940	1000' 750'	

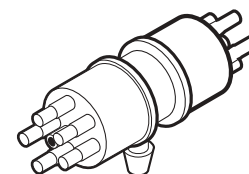
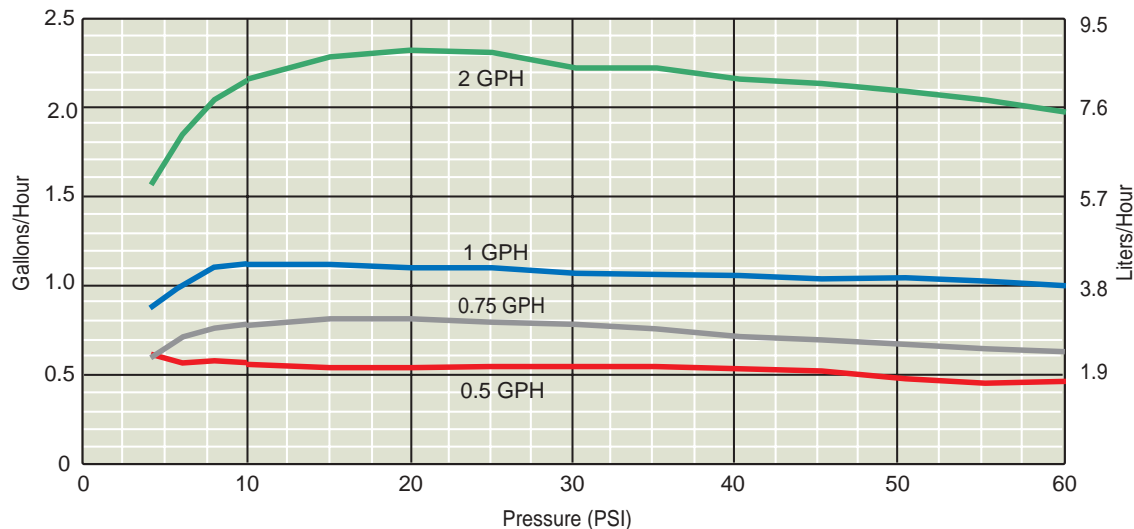


MICRO-FLAPPER EMITTER

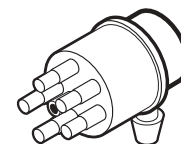


LOW PROFILE MICRO-FLAPPER EMITTER

Micro-Flapper Emitter Performance



12-WAY MICRO-FLAPPER EMITTER



6-WAY MICRO-FLAPPER EMITTER

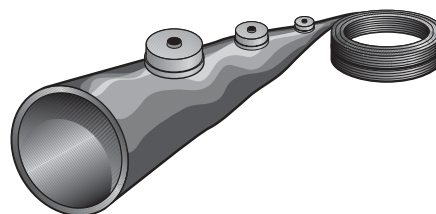
TECHNICAL INFORMATION

CLIP-ON EMITTERLINE TECHNICAL INFORMATION

CLIP-ON EMITTERLINE Technical Information

Configuration:

- Turbulent Flow Online Emitter
- On-line emitter - offers ease of maintenance.
- On-line design - water emitted drops off at emitter rather than running down hose.
- Sealed unit, cannot come apart under pressure.
- Inlet is barbed for maximum retention on hose.
- Inlet has crucifix entry pathway to reduce possibility of large particles entering emitter.
- CO models for use on Button-emitterline or hand installation.
- COR models (with riser) for use with emitter discharge tubing for precision placement of emitter discharge.
- SO and SOR models screw into .125-.185V or



Performance Specifications:

Range of Operating pressure: 5 - 40 PSI

Average Emitter Exponent: 0.50

Manufacturer's Cv: < 3%

Inlet barb (CO and COR) hole size required: .100". (WADE RAIN RP punch recommended)

Outlet riser (COR) size/discharge tubing: use .160" I.D. vinyl or polyethylene Distribution Tubing (WADE RAIN model .160-.220V or .160-.220 recommended)

Materials: U.V. protected Polypropylene body and stem, polyethylene flow disc.

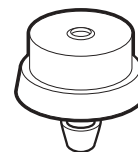
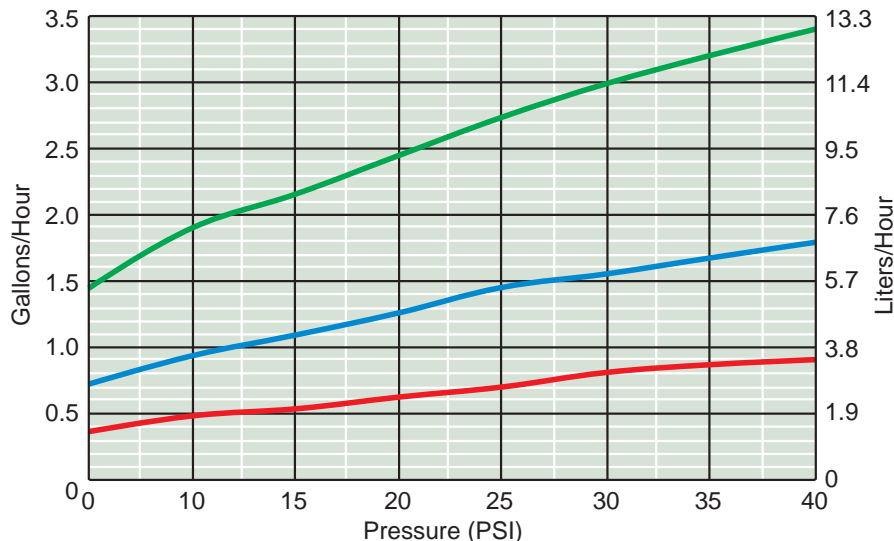
Filtration Requirements: Micro irrigation emitters require adequate and reliable filtration to ensure performance.

1/2, 1 & 2 GPH 155 mesh (approximately .003" screen or slot opening) (75 micron equivalent)

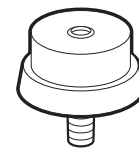
Flow rates and Configurations

Model No.	Description	Nominal Flow at 15 PSI	Tube Size	Coil Length (ft)	Spacing (in)
CO50	0.5 GPH (2 LPH) Red	0.5 GPH	.520-.620	1000	24, 30, 36,
CO1	1 GPH (4 LPH) Blue	1.0 GPH	.600-.700	1000	40, 42, 48,
CO2	2 GPH (8 LPH) Green	2.0 GPH	.620-.710 .720-.820 .830-.940	1000 1000 750	60, Custom
COR50	0.5 GPH (2 LPH) Red	0.5 GPH			
COR1	1 GPH (4 LPH) Blue	1.0 GPH			
COR2	2 GPH (8 LPH) Green	2.0 GPH			

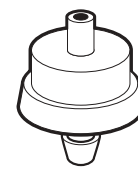
Clip-On Emitter Performance



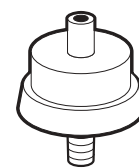
CLIP-ON
EMITTER



SCREW-ON
EMITTER



CLIP-ON
W/RISER



SCREW-ON
W/ RISER

TECHNICAL INFORMATION

WADELINE TECHNICAL INFORMATION

WADELINE Technical Information

Configuration:

- In-line emitter - permanently bonded inside the hose as the hose is made.
- Multiple inlets equally divided around the emitter at entry to flow path to prevent entry of contaminants larger than flow path dimensions.
- Wide and deep turbulent flow passages to prevent clogging.



Performance Specifications

Range of Operation Pressure: 10 - 40 PSI

Average Emitter Exponent: <0.50

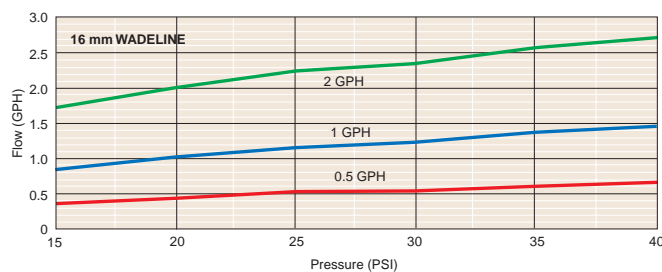
Manufacturer's Cv: < 3%

Materials: Hose is Wade Rain polyethylene hose, see Wade Rain Hose Specification Sheet. Emitters are polyethylene.

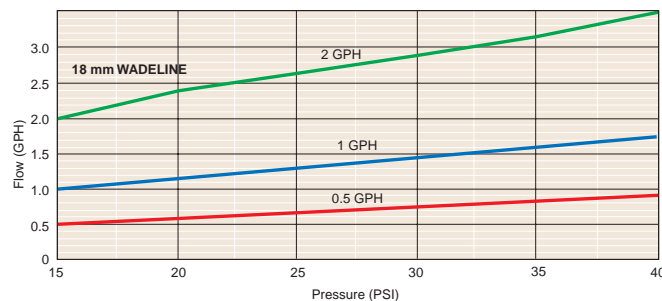
Filtration Requirements: Micro irrigation emitters require adequate and reliable filtration to ensure performance. The following are suggested minimums, local conditions may dictate a greater filtration requirement. In addition to filtration, control of algae and bacterial slime growth and control of chemical precipitates should be taken into consideration.

155 mesh (approximately .003" screen or slot opening) recommended for all flow rates.

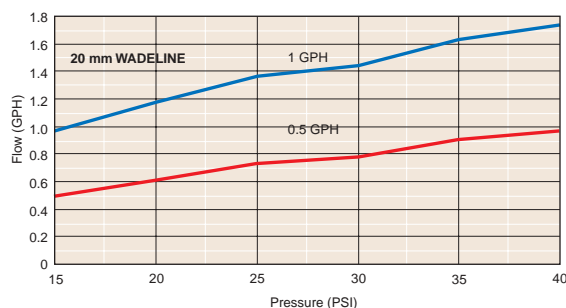
16MM Wadeline Performance



18MM Wadeline Performance



20MM Wadeline Performance



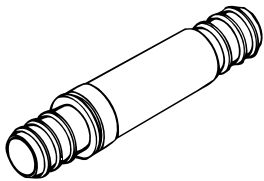
Flow Rates and Configurations

Model No.	Description	Nominal Flow	Coil* Length	Standard Spacing (in)
16mm Hose Size (.548" ID X .638" OD) Flow at 20 PSI				
W5564-2-XY	16mm hose, 2 LPH flow rate	.44 GPH/1.65 LPH	1000	24, 30, 36
W5564-4-XY	16mm hose, 4 LPH flow rate	1.00 GPH/3.77 LPH	1000	40, 42, 48
W5364-8-XY	16mm hose, 8 LPH flow rate	2.00 GPH/7.55 LPH	1000	60
18mm Hose Size (.620" ID X .710" OD) Flow at 15 PSI				
W6271-2-XY	18mm hose, 2 LPH flow rate	.53 GPH/2.00 LPH	1000	24, 30, 36
W6271-4-XY	18mm hose, 4 LPH flow rate	1.00 GPH/3.77 LPH	1000	40, 42, 48
W6271-8-XY	18mm hose, 8 LPH flow rate	2.00 GPH/7.55 LPH	1000	60
20mm Hose Size (.710" ID X .807" OD) Flow at 15 PSI				
W7181-2-XY	20mm hose, 2 LPH flow rate	.50 GPH/1.89 LPH	1000	24, 30, 36
W7181-4-XY	20mm hose, 4 LPH flow rate	1.0 GPH/3.77 LPH	1000	40, 42, 48
X= Spacing Y= Coil Length				60

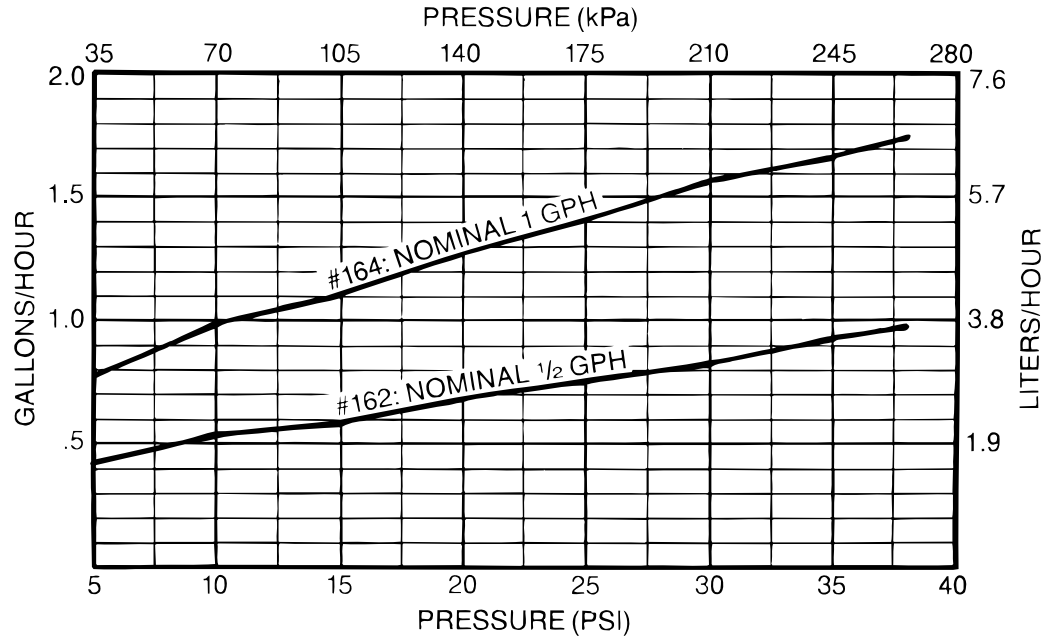
TECHNICAL INFORMATION

INLINE EMITTER TECHNICAL INFORMATION

INLINE EMITTER Flow Curves

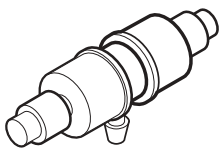


INLINE
EMITTER

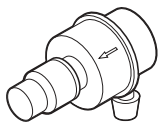


FLAPPER EMITTER TECHNICAL INFORMATION

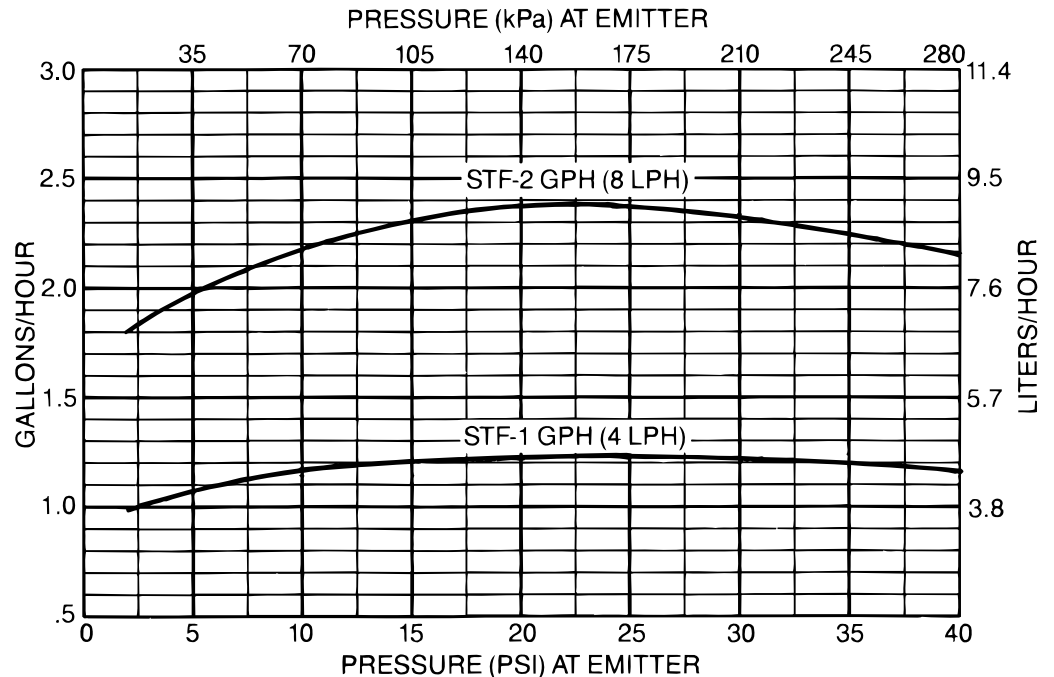
FLAPPER EMITTER Flow Curves



DUAL FLAPPER
EMITTER



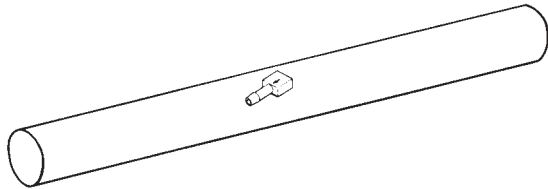
FLAPPER
EMITTER



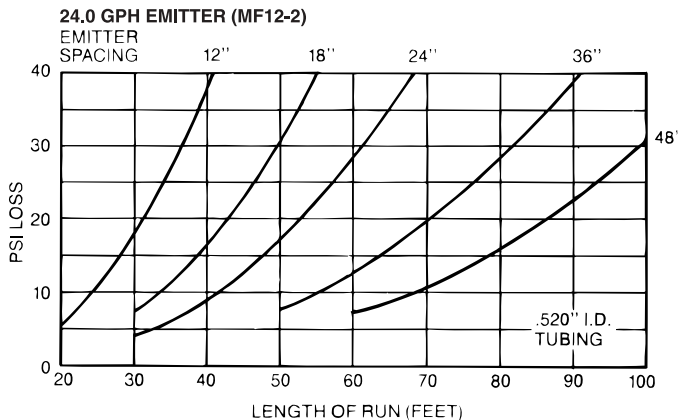
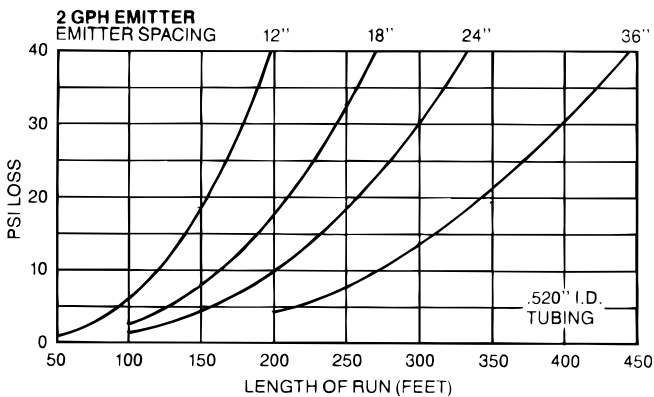
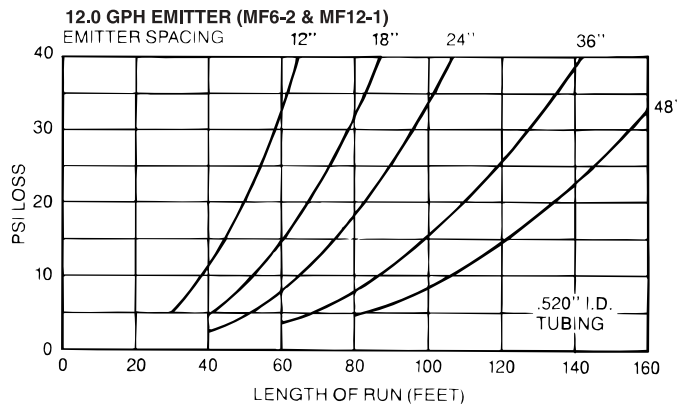
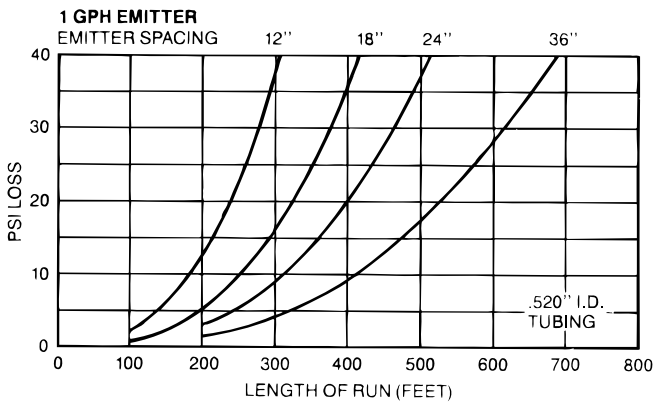
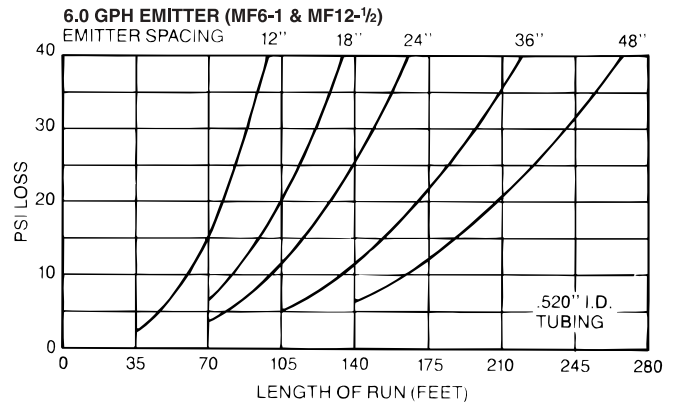
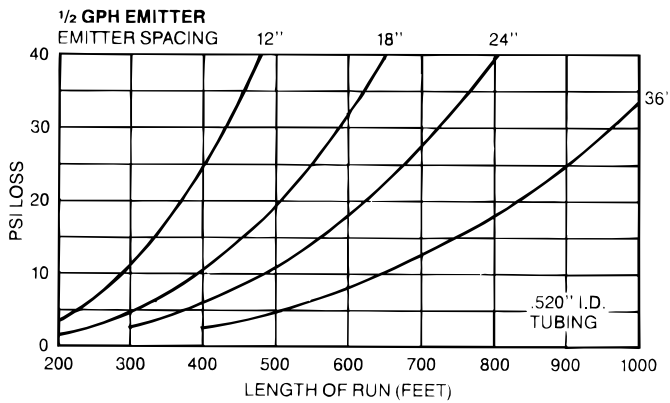
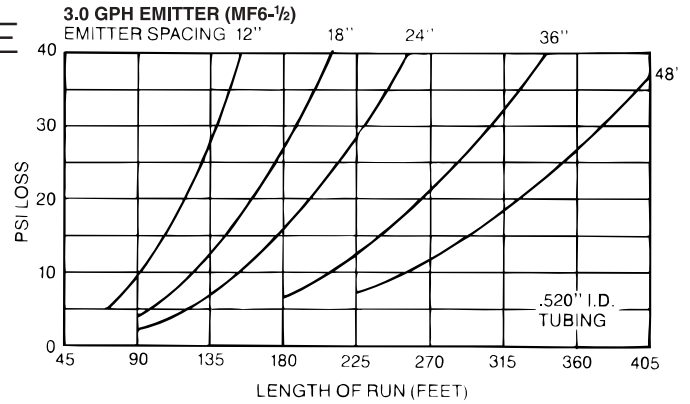
TECHNICAL INFORMATION

PC EMITTERLINE TECHNICAL INFORMATION

MICRO-FLAPPER EMITTERLINE Pressure Loss Curves (520 Series)



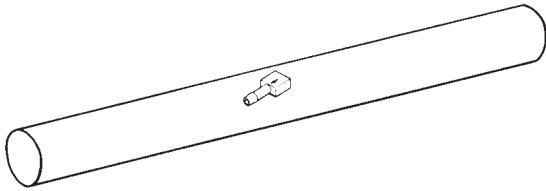
.520" I.D. x .620 O.D. TUBING



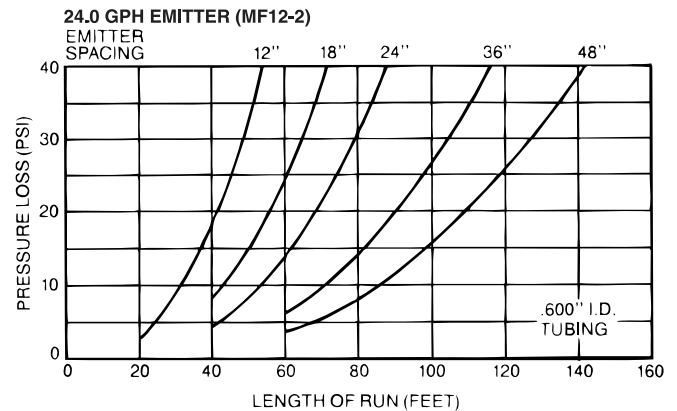
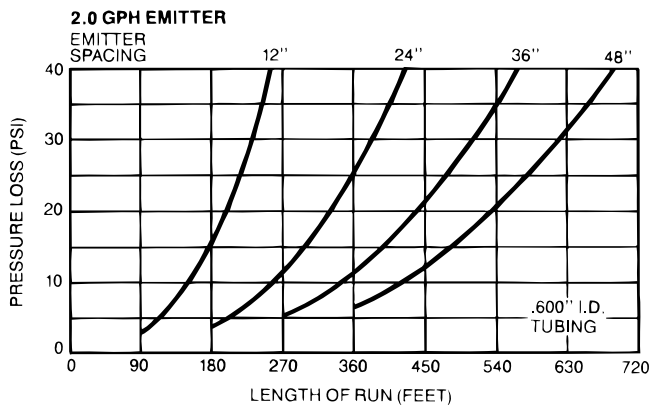
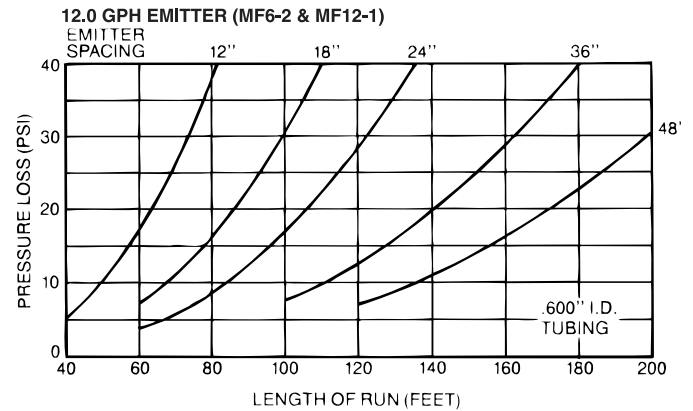
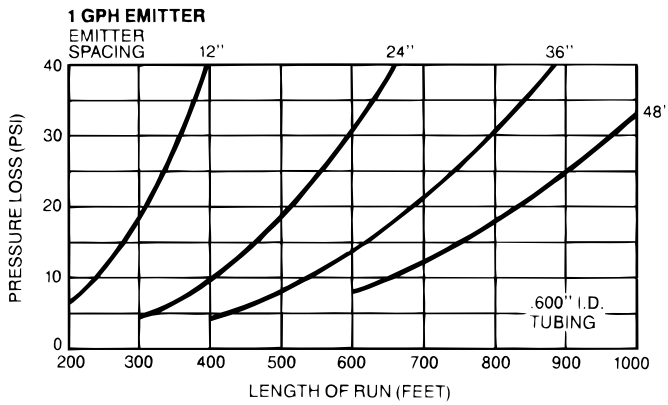
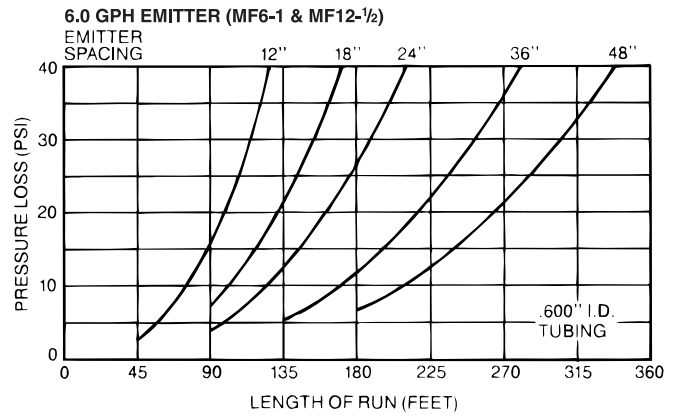
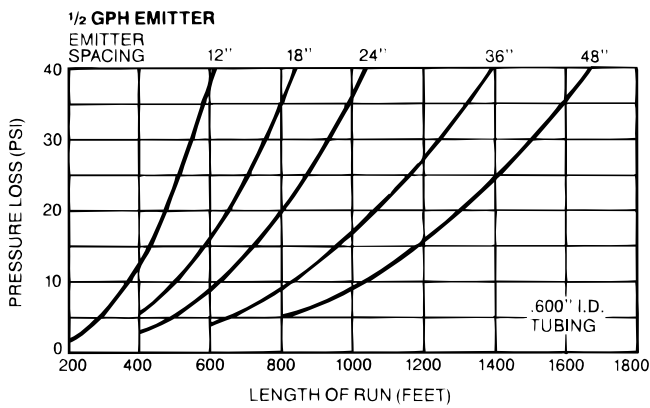
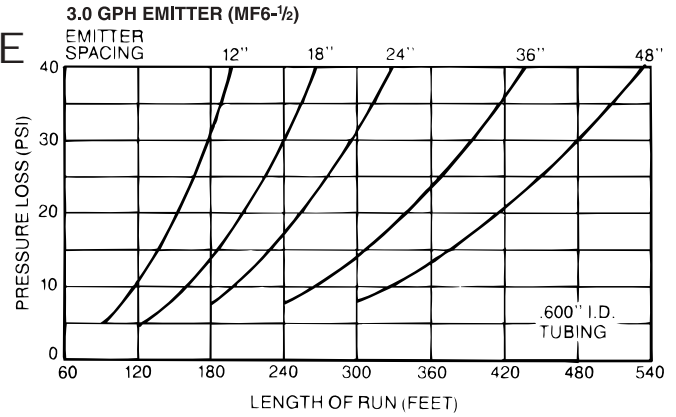
TECHNICAL INFORMATION

PC EMITTERLINE TECHNICAL INFORMATION

MICRO-FLAPPER EMITTERLINE Pressure Loss Curves (600 Series)



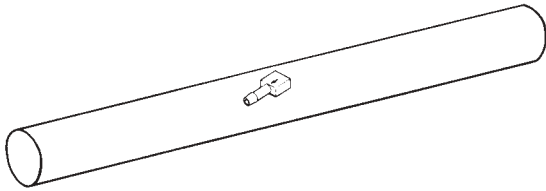
.600" I.D. x .700 O.D. TUBING



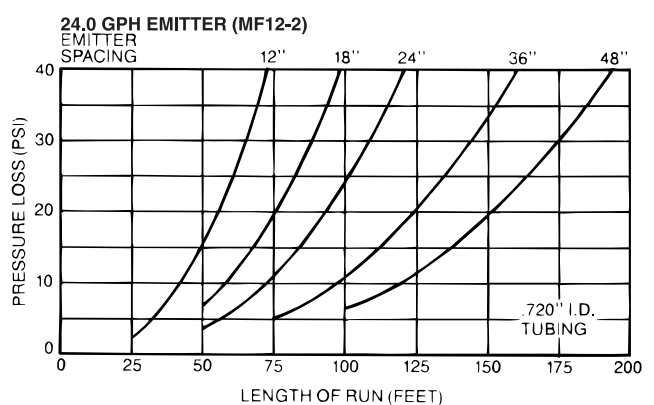
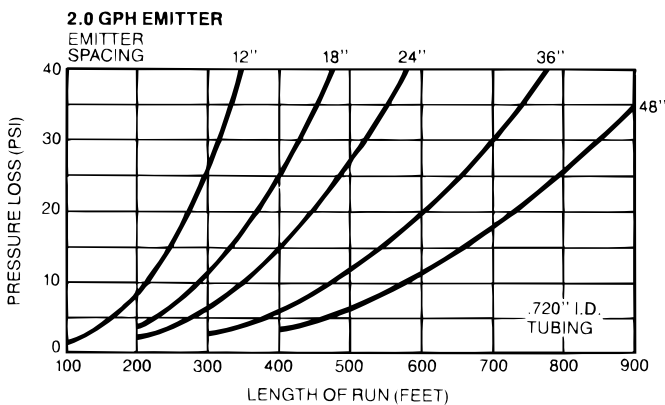
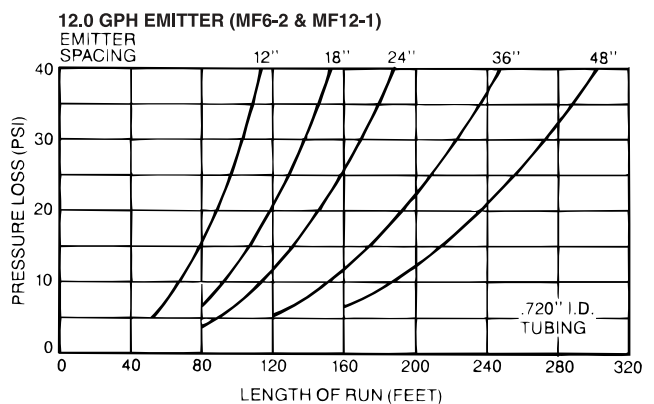
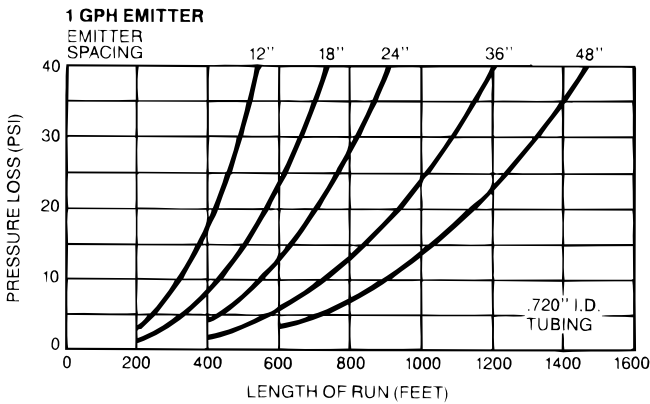
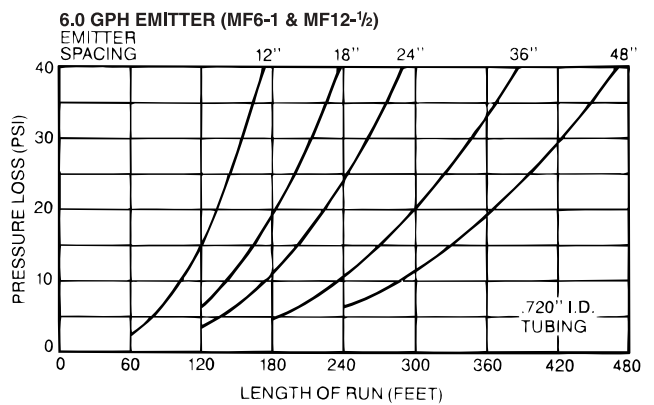
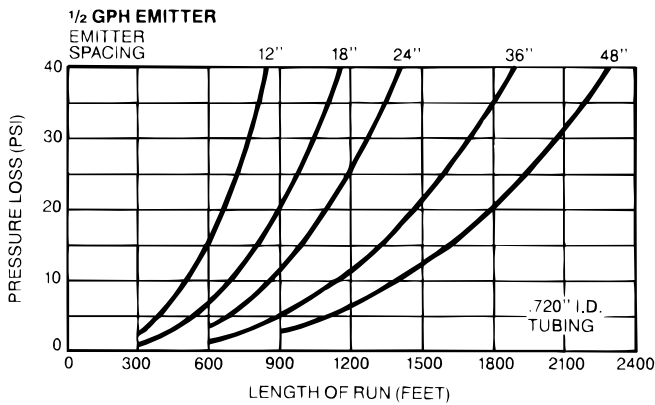
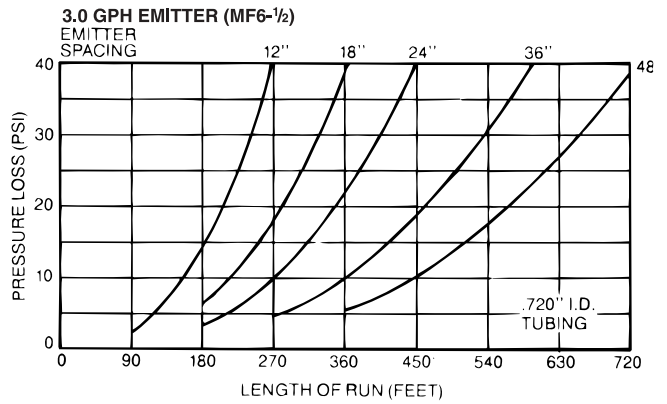
TECHNICAL INFORMATION

PC EMITTERLINE TECHNICAL INFORMATION

MICRO-FLAPPER EMITTERLINE Pressure Loss Curves (720 Series)



.720" I.D. x .820 O.D. TUBING



TECHNICAL INFORMATION

PULSATOR TECHNICAL INFORMATION

PULSATOR Technical Information

Performance Specifications:

Materials: Flow-Control, Expandable Sleeve - 100% virgin Silicon rubber, Outer Housing- Polypropylene, Base UV stabilized polycarbonate.

Temperature Range: 33°F to 125°F (1°C to 50°C)

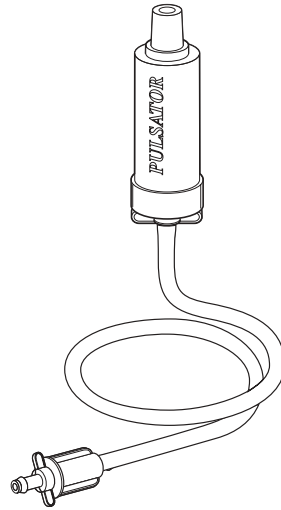
Chemical Properties: Suitable for use with normal agricultural water, and chemical treatment. Not suitable for use with petroleum products.

Dimensions: Inlet - 3/16" (#10-32) male thread, Outlet- Female socket for 3/16" male thread, Length- 3", Diameter 7/8", Weight .44 Oz.

Filtration Requirement: Minimum 155 mesh or equivalent

Pulsator operates as a check valve below rated pressure. Pulsator operation (flow) begins at nominal rated pressure.

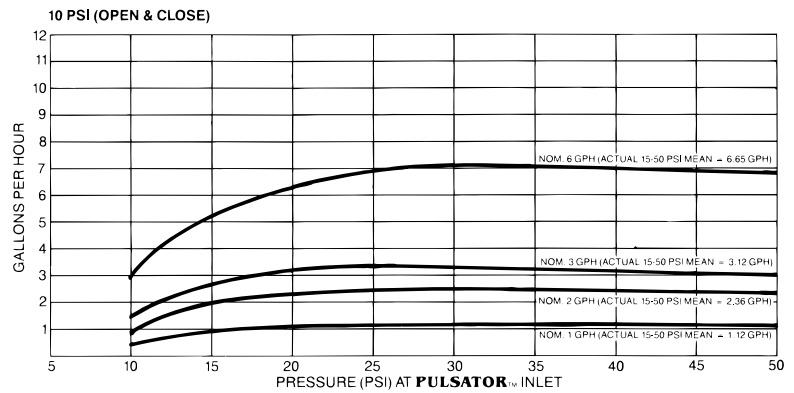
Now each Pulsator has a take-apart flow control connector.



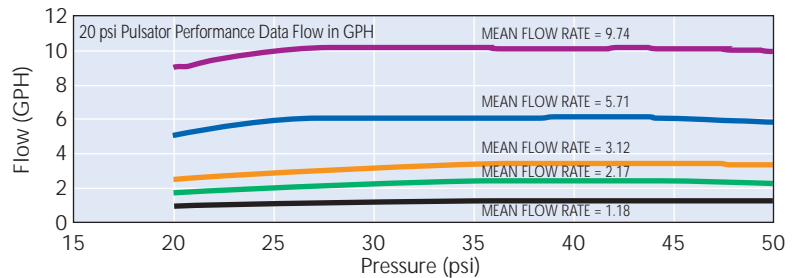
Pulsator Identification

- 15 psi - Brown Stem/White Diaphragm
- 25 psi - Black Stem/Blue Diaphragm
- 35 psi - Grey Stem/Yellow Diaphragm
- 2 gph - Green flow regulator
- 3 gph - White flow regulator
- 6 gph - Blue flow regulator
- 8 gph - Brown flow regulator
- 10 gph - Violet flow regulator
- All Units - Green Diaphragm Cover

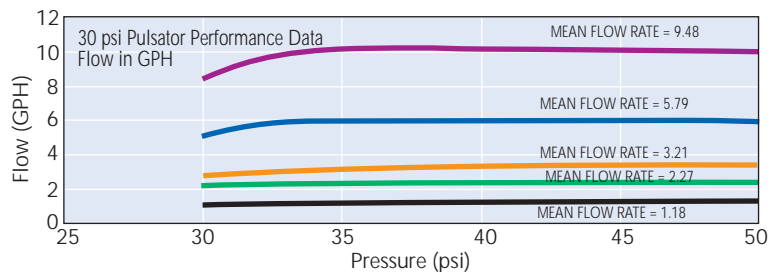
Pulsator Performance - 15 PSI



Pulsator Performance - 25 PSI



Pulsator Performance - 35 PSI



TECHNICAL INFORMATION

TECHNICAL INFORMATION

PULSATOR FOR FROST PROTECTION TECHNICAL INFORMATION

PULSATOR FOR FROST PROTECTION Technical Information

Description

The Pulsator™ is ideally configured to provide frost protection for vineyards. Using no more water than normally supplied to a typical drip irrigated vineyard (one GPH/vine), most drip irrigation systems provide sufficient water per acre to supply a Pulsator frost protection system. Because the water is concentrated in a narrow band 24" wide over the cane row, application rates equivalent to conventional overhead frost protection sprinkler system are obtained. The costs of reservoirs, large pumping plants, large diameter mainlines, laterals, risers and impact sprinklers are eliminated.

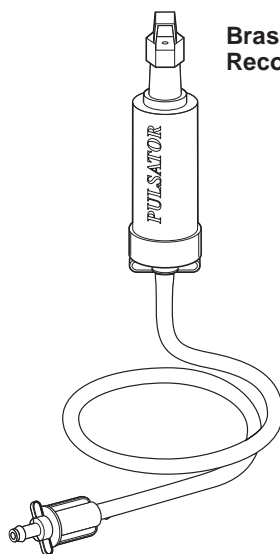
Typically, the drip irrigated vineyard will require an additional row of hose for the cane row with valving to enable switching from the drip lateral to the Pulsator lateral. Pulsators are pressure compensating from the minimum operating pressure selected to 50 PSI. Pulsators may be spaced every other vine (for 6'-8' vine sets), every third vine (for 5'-6'-7' vine sets) or every fourth vine (for 5' vine sets). A number of convenient mounting devices are available from Wade Rain to support the Pulsator.

Four flow rates and two operating pressures are offered for Pulsator frost protection systems. The following table offers suggested usage for various spacings. Use 10 gph Pulsator at end of each hose to limit potential end of line freezing. Please consult factory for runs over 700'.

Filtration Requirement: Minimum 155 mesh or equivalent

Now each Pulsator has a take-apart flow control connector.

Use .160 x .250 supply tube.



**Brass Frost Head
Recommended**

25 PSI Nominal Operating Pressure				
Pulsator Spacing	Model #	Flow	Dia	App Rate in/hr
12 ft	AT22FB80	2.2 gph	15'	0.15
13 ft	AT22FB80	2.2 gph	15'	0.14
14 ft	AT22FB80	2.2 gph	15'	0.13
15 ft	AT22FB80	2.2 gph	15'	0.12
16 ft	AT22FB80	2.2 gph	16'	0.11

35 PSI Nominal Operating Pressure				
Pulsator Spacing	Model #	Flow	Dia	App Rate in/hr
12 ft	AT23FB80	2.2 gph	17'	0.15
13 ft	AT23FB80	2.2 gph	17'	0.14
14 ft	AT23FB80	2.2 gph	17'	0.13
15 ft	AT23FB80	2.2 gph	17'	0.12
16 ft	AT23FB80	3.2 gph	19'	0.16
17 ft	AT23FB80	3.2 gph	19'	0.15
18 ft	AT23FB80	3.2 gph	19'	0.14
19 ft	AT23FB80	3.2 gph	19'	0.13
20 ft	AT33FB80	3.2 gph	21'	0.13
21 ft	AT33FB80	3.2 gph	21'	0.12

*NOTE: Low dew points can produce conditions of evaporative cooling that can be detrimental to frost protection. Crop damage can result and sprinkler head freezing may occur. Use caution with dew points below 28 degrees F. Consult with local Farm Advisor for more information. **Pulsator is not intended to be used for protection below 26° F.***



We strongly recommend the use of brass frost head (Part No. AJFB-80) to reduce the possibility of sprinkler head freezing at low dew points and/or low temperature combination.

Full Coverage Application Rate

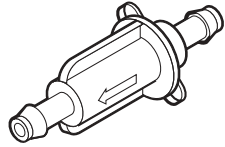
From in/hr	To gpm/acre sprinklers
0.11	48
0.12	53
0.13	59
0.14	63
0.15	68
0.16	72

Frost Nozzle Part Numbers

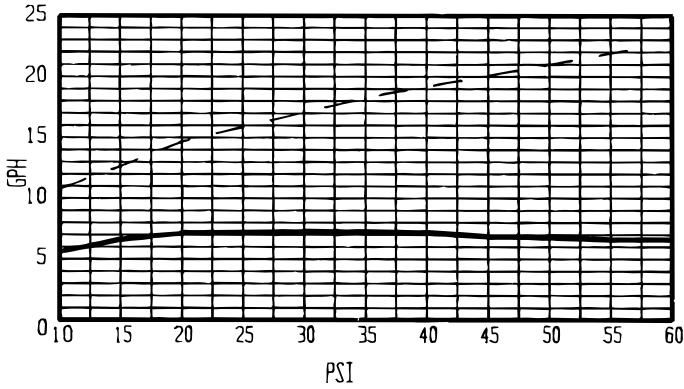
AJFB-80 - Brass Nozzle
w/Black Splash Plate

ACU-FLO TECHNICAL INFORMATION

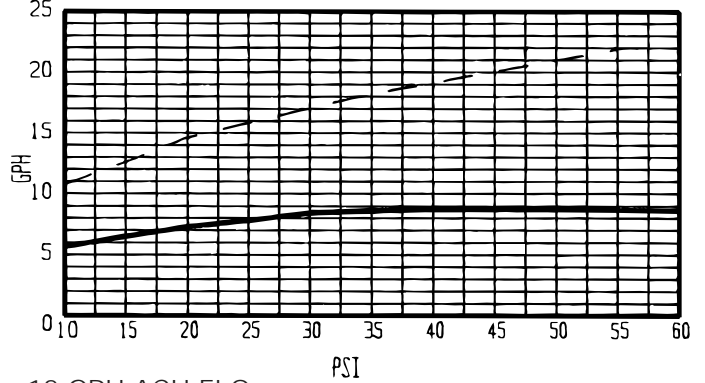
ACU-FLO Flow Curves



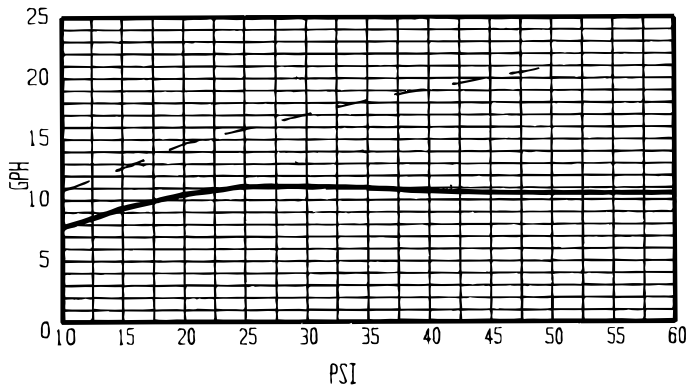
6.5 GPH ACU-FLO
TAFB6.5 (BLUE) WITH .045" NOZZLE (VIOLET)



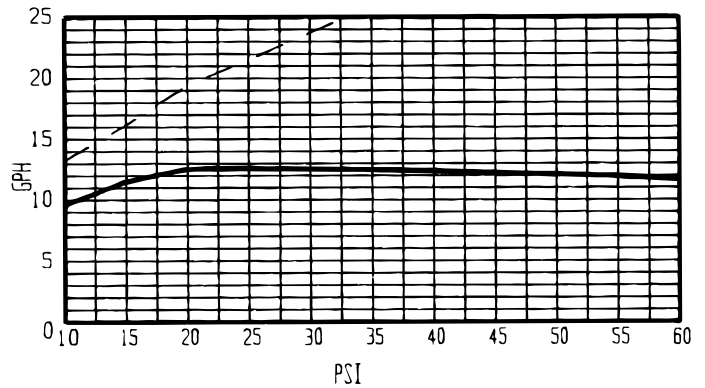
8 GPH ACU-FLO
TAFB8 (BROWN) WITH .045" NOZZLE (VIOLET)



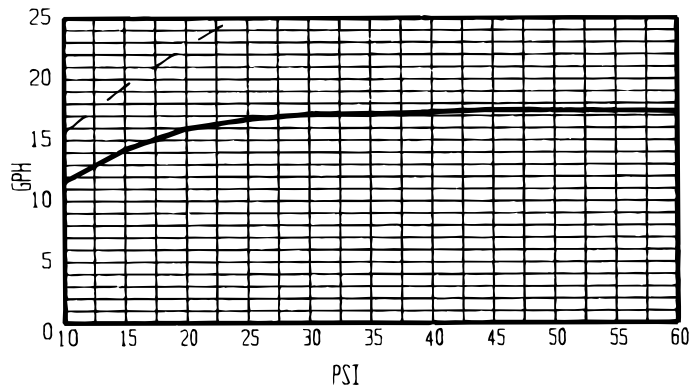
10 GPH ACU-FLO
TAFB10 (VIOLET) WITH .045" NOZZLE (VIOLET)



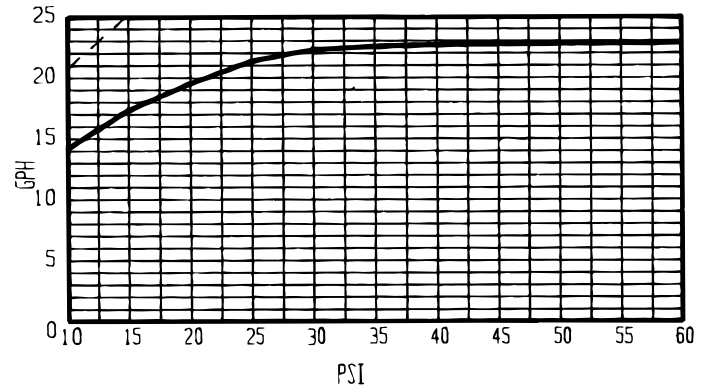
12 GPH ACU-FLO
TAFB12 (GREEN) WITH .052" NOZZLE (YELLOW)



16 GPH ACU-FLO
TAFB16 (YELLOW) WITH .058" NOZZLE (RED)



20 GPH ACU-FLO
TAFB20 (RED) WITH .063" NOZZLE (BROWN)



TECHNICAL INFORMATION

ACU-FLO TECHNICAL INFORMATION

ACU-FLO Flow Performance (in GPH)

NOZZLE SIZE		40 BLUE	45 VIOLET	50 GREEN	55 YELLOW	60 RED	65 BROWN
ACU-FLO™	PSI						
TAFB6.5 Blue	15	6.10	6.17	7.12			
	20	6.82	6.83	7.13			
	25	7.28	6.83	7.08			
	30	7.30	6.83	7.08			
TAFB8 Brown	15	6.38	8.27	7.32			
	20	7.24	8.48	8.16			
	25	7.92	8.48	8.54			
	30	8.47	8.48	8.60			
TAFB10 Violet	15		10.65	9.66	10.32		
	20		11.09	10.65	10.94		
	25		11.09	11.13	11.06		
	30		11.09	11.07	11.08		
TAFB12 Green	15			10.62	11.60	11.17	
	20			11.74	12.50	12.51	
	25			12.47	12.67	12.52	
	30			12.60	12.54	12.52	
TAFB16 Yellow	15				13.11	14.15	15.28
	20				14.71	16.00	16.22
	25				16.01	16.72	16.51
	30				16.73	16.96	16.70
TAFB20 Red	15					15.90	17.54
	20					19.50	21.14
	25					20.61	21.37
	30					21.56	21.24

Shaded areas indicate recommended nozzle sizes to be used with each Acu-Flo for best performance.

ACU-FLO Diameter Performance (in Feet)

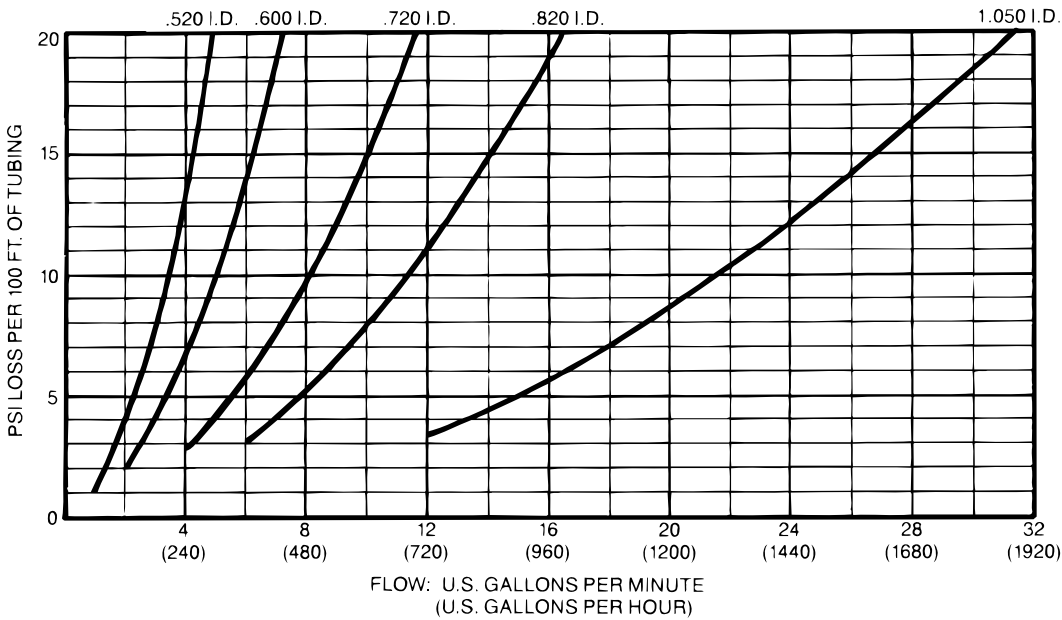
Diameters shown are the average diameters of the high stream and low stream for the AJS Acu-Jet using straight bore nozzle, mounted 9 inches above ground level.

NOZZLE SIZE		30 BLACK	35 ORANGE	40 BLUE	45 VIOLET	50 GREEN	55 YELLOW	60 RED	65 BROWN
ACU-FLO™	PSI								
TAFB6.5 Blue	10	8.0	8.5	9.0	7.5	8.0	7.0	7.0	5.0
	20	8.5	10.0	11.0	12.0	10.0	8.0	7.0	5.0
	30	11.0	11.0	13.0	12.5	10.0	8.0	7.5	6.0
TAFB8 Brown	10	7.0	8.0	8.0	7.5	8.5	7.0	6.5	5.0
	20	8.5	10.0	11.0	12.5	10.0	9.0	8.0	6.0
	30	10.0	12.0	12.0	14.0	12.0	9.0	8.0	6.5
TAFB10 Violet	10	9.5	9.0	9.5	10.5	12.0	10.5	9.5	8.5
	20	9.0	11.0	12.5	15.5	15.0	14.5	11.5	10.0
	30	11.0	12.0	14.0	17.0	15.0	13.0	12.0	10.1
TAFB12 Green	10	8.5	10.0	9.0	12.0	13.0	13.0	12.0	10.0
	20	10.5	11.5	13.5	17.5	16.0	14.5	13.0	11.5
	30	10.5	13.0	13.5	20.0	17.0	16.0	14.5	12.0
TAFB16 Yellow	10	9.0	10.0	12.0	12.0	14.0	15.0	14.0	12.5
	20	11.0	12.0	13.0	17.0	18.0	18.5	19.0	16.0
	30	11.0	13.0	15.0	19.0	18.0	19.0	20.0	17.0
TAFB20 Red	10							16.0	14.0
	20							20.0	19.0
	30							20.0	19.0

TECHNICAL INFORMATION

POLYETHYLENE TUBING TECHNICAL INFORMATION

PE Tubing Pressure Loss Per 100 Feet



(Plotted from Hazen-Williams, C = 150)

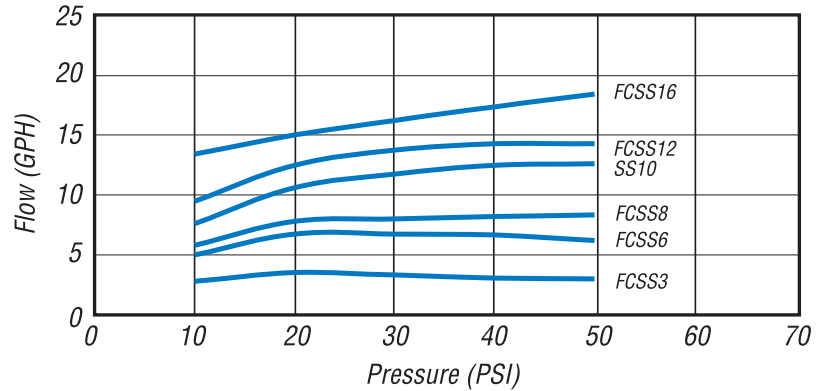
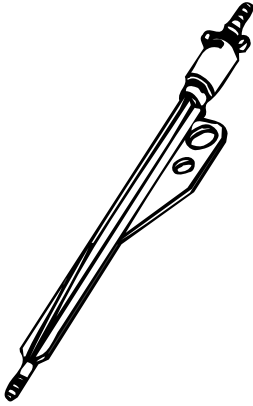
PE Tubing Velocity(feet/second)

FLOW		INSIDE DIAMETER of TUBING				
GPM	GPH	.520"	.600"	.720"	.820"	1.050"
1	60	1.5	1.1			
2	120	3.0	2.2			
3	180	4.5	3.4			
4	240	6.0	4.5	3.1		
5	300	7.5	5.6	3.9		
6	360		6.8	4.7	3.6	
7	420		7.9	5.5	4.2	
8	480		9.0	6.3	4.8	
10	600			7.8	6.0	
12	720			9.4	7.2	4.4
14	840				8.5	5.1
16	960				9.7	5.9
18	1080				10.9	6.6
20	1200					7.4
24	1440					8.8
28	1680					10.3
32	1920					11.8

TECHNICAL INFORMATION

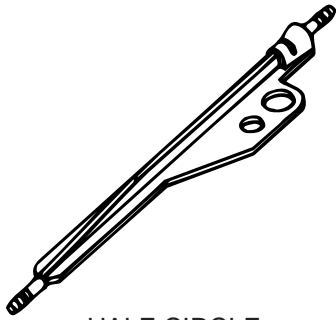
ACU SPRAY STICK TECHNICAL INFORMATION

ACU SPRAYSTICK Flow Curves



Color Code	Description
White	3 GPH, 9" radius, 120° spray
Blue	6 GPH, 15" radius, 180° spray
Brown	8 GPH, 18" radius, 180° spray
Violet	10 GPH, 22" radius, 180° spray
Green	12 GPH, 25" radius, 180° spray
Yellow	16 GPH, 30" radius, 180° spray

NON-PRESSURE COMPENSATING SPRAY STICK



HALF CIRCLE
PATTERN

SS

the WADE SPRAY STICK
is top-fed with .125 I.D. tubing
NOT FLOW-CONTROLLED

SS4

SS10

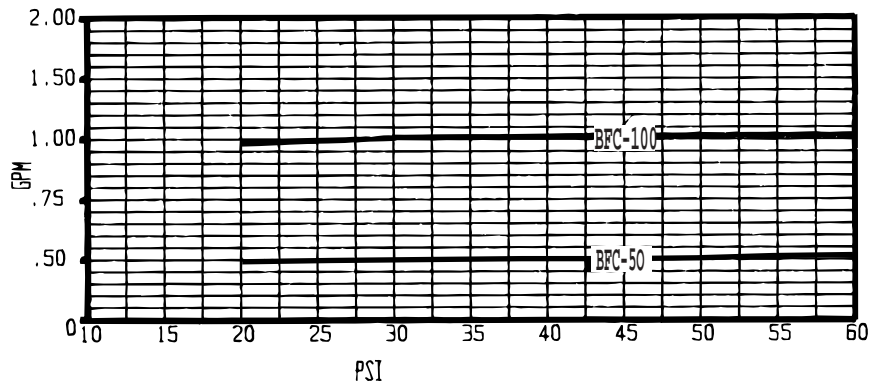
PSI	Flow	Radius
5	3.4 GPH	7"
10	4.7 GPH	11"
15	5.8 GPH	16"
20	6.7 GPH	19"
25	7.4 GPH	20"

PSI	Flow	Radius
5	5.9 GPH	12"
10	9.7 GPH	16"
15	12.0 GPH	19"
20	13.8 GPH	22"
25	15.7 GPH	24"

PC BUBBLER TECHNICAL INFORMATION

PC BUBBLER Flow Curves

.5 GPM - Red Insert
1 GPM - Blue Insert



TECHNICAL
INFORMATION

TECHNICAL INFORMATION

FRICITION LOSS CHARTS

Connector Tube Friction Loss Charts

Correct system design will add pressure losses incurred in the tubing connecting the micro-spray to the lateral. This assures adequate pressure at the point of connection.

For Acu-Spray Stick and Spray Stick

CONNECTOR TUBE DIAM. & LENGTH		FLOW - GPH					
		3	6	8	10	12	16
.125" I.D.	2'	.08	.3	.6	.8	1.1	1.6
	4'	.16	.6	1.1	1.6	2.2	3.2
	6'	.24	.9	1.7	2.4	3.2	4.8
	8'	.32	1.2	2.3	3.2	4.3	6.5
	10'	.40	1.5	2.8	4.0	5.4	8.1

For Multi-stake Assemblies

CONNECTOR TUBE DIAM. & LENGTH		SINGLE NOZZLE FLOW (U.S. GALLONS/HOUR)								
		15	20	25	30	35	40	45	50	55
.160" I.D.	24"	1.1	2.0	3.0	4.1	5.5	7.1	8.8	10.7	12.8
	36"	1.3	2.4	3.6	5.0	6.2	8.0	10.6	13.0	15.5
	48"	1.6	2.8	4.2	5.9	7.0	9.1	12.5	15.2	18.2

PLANT SPACING CHART

Approximate Number of Plants Per Acre

		FEET BETWEEN PLANTS											LATERAL TUBE FEET PER ACRE ⁽¹⁾	
		6	7	8	10	12	14	16	18	20	22	24		
FEET BETWEEN ROWS	6	1210	1037	908	726									7260
	8	908	779	681	545	454								5445
	10	726	622	545	436	363								4356
	12	605	519	454	363	303								3630
	14	519	444	389	311	259	222							3111
	16	454	389	340	272	227	194	170						2723
	18	403	346	303	242	202	173	151	134					2420
	20	363	311	272	218	182	156	136	121	109				2178
	22	330	283	248	198	165	141	124	110	99	90			1980
	24	303	259	227	182	151	130	113	101	91	83	76		1815

PLANTS PER ACRE = $\frac{43560}{\text{ROW SP. (FT.)} \times \text{PLANT SP. (FT.)}}$

LATERAL TUBE FEET PER ACRE = $\frac{43560}{\text{ROW SP. (FEET)}}$

⁽¹⁾ One lateral per row.

FILTRATION REQUIREMENTS

Filtration Requirements

UNLESS OTHERWISE NOTED, PRODUCTS IN THIS CATALOG ARE RATED AT 50 PSI MAXIMUM OPERATING PRESSURE.

COLOR CODING: Wherever construction allows Wade Rain micro irrigation emitters are color-coded by nominal flow rate. The table below shows these colors.

FILTRATION: Micro-irrigation emitters require adequate and reliable filtration to ensure performance. Although WADE RAIN emitters are uniquely designed to operate with less severe-filtration than other products, installation and maintenance of appropriate filtration is necessary for their continued function. The numbers in parenthesis in the table below [(155), (200), etc.] show suggested mesh filtration for various WADE-RAIN emitters. It is recommended that filtration mesh be no greater than 1/8 of orifice **opening**.

PRODUCT	GALLONS PER HOUR (FILTRATION MESH)											GALLONS PER MINUTE			
	1/2	.75	1	2	3	6	8	10	12	16	20	.5	1.0	1.50	2.00
MICRO-FLAPPER EMITTER, INLINE, CLIP-ON & SCREW-ON, WADELINE, SPRAYSTICK (SS)	RED (155)	GRAY (155)	BLU/BLK. (155)	GRN. (155)											
FLAPPER & DUAL FLAPPER DRIP EMITTERS			BLK. (155)	GRN. (155)											
ACU-FLO™ & HI-FLOW DRIP EMITTERS						BLU. (155)	BRN. (155)	VIOL. (155)	GRN. (155)	YEL. (155)	RED (155)				
ACU-SPRAY STICK™					WHT. (155)	BLU. (155)	BRN. (155)	VIOL. (155)	GRN. (155)	YEL. (155)					
PULSATOR™			BLK. (200)	GRN. (155)	WHT. (155)	BLU. (155)	BRN. (155)	VIOL. (155)							
PC-BUBBLER™												RED (100)	BLU. (80)		

PULSATOR colors shown are for inlet housing. Bodies are color-coded to indicate pressure at start of flow: 10 psi start = BROWN 20 psi start = BLACK, 30 PSI Start = GREY

MICRO-SPRAY NOZZLES

NOZZLE NO. (DIAMETER)	#30 (.027")	#35 (.032")	#40 (.039")	#45 (.045")	#50 (.047")	#55 (.052")	#60 (.058")	#65 (.063")	#90 (.090")	
NOZZLE COLOR	BLACK	ORANGE	BLUE	VIOLET	GREEN	YELLOW	RED	BROWN	WHITE	
SUGGESTED FILTRATION	155 MESH							120 MESH		

TERMS OF SALES & WARRANTY

Terms and Conditions of Sale

TERMS: Terms are net 30 days. Service charge of 1.5% per month on all past-due accounts where legally permissible.

FREIGHT TERMS: All prices shown in this catalog are F.O.B. Fresno, CA, Portland, OR, or as noted.

MINIMUM ORDER: The billing on any invoice will be \$100 dealer net cost minimum.

PRICE: Subject to change without notice, written or other. Price in effect at time of shipment.

CARTON QUANTITIES: Orders must be in multiples of either bag quantities or carton quantities.

RETURN MERCHANDISE: No merchandise is to be returned without prior written authorization from Wade Rain. In order to return merchandise, dealer must first subject Wade Rain Account Adjustment form for approval. Approved return of standard catalog items is subject to a restocking charge of 20% of the amount of invoice. No debit memos will be honored until factory issues a credit.

SHORTAGE CLAIMS: Claims for shortages must be made within 10 days of receipt of order. In making claims, identify the invoice number and date shipped.

CANCELLATION: Custom-made, non-catalog items, are subject to a cancellation charge equal in value to the total cost of the goods in process, including special tooling.

POSSESSION OF CATALOG DOES NOT CONSTITUTE OFFER TO SELL

WADE CUSTOMERS: Wade Rain sells its products through qualified Distributors and Dealers. All sales are made on a cash basis unless other terms have been approved by Wade Rain Credit Department. Possession of this or any other Wade price list or sales document does not constitute the right to purchase from Wade. All orders are subject to acceptance by Wade Rain.

Limited Warranty

1. Wade manufactures polyethylene tubing, emitters, and certain other micro-irrigation components. Any part manufactured by Wade which is proven defective as to material or workmanship within one year from date of invoice by Wade will be replaced free of charge, FOB Fresno, CA, upon return of such defective part to Wade, transportation prepaid. No parts, however, shall be returned without the expressed written authority of Wade. Wade makes no warranty of merchantability or implied warranty of fitness as to its products.
2. Under no circumstances shall Wade Rain be liable for any consequential or other damages, losses, or expenses which may arise from the installation or use of the equipment regardless of advice or recommendations that may have been made by any agent or employee of Wade Rain or its distributors/dealers.
3. The distributor and/or dealer is not authorized to make any warranty of performance or efficiency or other operating guaranty on any Wade Rain System or any of its components other than set forth herein.

MATERIALS SHIPPING UNDERSTANDING: Wade Rain shall not be responsible for any delay in shipping resulting from destruction of offices, warehouses, factories, or other facilities, strikes, lockouts, shortage of merchandise at the factory or plant of Wade Rain, delays in obtaining merchandise from a factory or plant or any other sources of supply, act of God, or other causes.

RESERVATIONS AND RIGHTS FOR IMPROVEMENTS: Wade Rain reserves the right to make changes in design and changes or improvements upon its products without assuming any obligation to change products theretofore manufactured in the same manner. Parts of Wade Rain System manufactured by others than Wade Rain may carry manufacturer's guaranty and are not guaranteed by Wade Rain.

SPECIAL PULSATOR LIMITATION FOR FROST PROTECTION APPLICATIONS: Warranty is void if Pulsator is used for frost protection below 26° F or a dew point of 28° F. Warranty is also void if Pulsator is used for more than 12 hours continuous below 32° F.

CONDITIONS OF USAGE: This warranty is not valid if the irrigation system and/or its components are subjected or exposed to any of the following:

- a. Greater than 50 psi operating pressure;
- b. Irrigation water which has not been filtered or treated to the level specified for individual components by Wade Rain.
- c. Chemical concentrates (internally or externally), mechanical abuse, or other foreign material which are harmful to the individual components.

DISCLAIMER: THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND WARRANTIES OF FITNESS OF PARTICULAR PURPOSE.



It performs best on cold nights.

Our Pulsator packs a powerful punch that can protect your buds against frost damage.

The Pulsator provides significant frost protection with a minimum of water use to 26° F. That's been proven by field and laboratory tests conducted by the Viticulture and Enology Research Center and the Center for Irrigation Technology at California State University, Fresno.



Targeted
frost protection
at low-flow rates

With an attached brass frost head, the Pulsator fills, powerfully expels and then refills several times a second. It applies water only where it is needed, up to 21 feet along the cane row. It's adaptable to your current drip system hydraulics without expensive changes to the pump and mainline.

Ask for it by name. Pulsator. The colder it gets, the better it performs.

WADE RAIN
We put water where it belongs.

1 (800) 695-7171
www.waderain.com

Micro Irrigation Division
2851 East Florence Avenue • Fresno, California 93721



Wadeline PC Emitters

Wadeline PC emitters are pressure compensating, self purging emitters and can be preinstalled at any repeated spacing. A double-sided silicone diaphragm allows purging at start-up and shut-off and delivers a constant discharge rate through a range of 10-60 psi, and flow rates of 1/2, 3/4, 1, 2 and 3 gph. 2 large internal filters are provided (180° apart) around the emitter with over 300 openings. The patent-pending emitter also features an internal ant and insect guard.



Ultimate Plug Resistance The Max-Emitter™

Wade Rain's new, patent-pending Max-Emitter™ provides a level of performance that is unmatched by any emitter manufactured today. The large turbulent flow emitter pathways of the Max-Emitter™ are protected from plugging by seven 330° screens to ensure flow, regardless of the position of the tube.

Available
Fall 2002

90%
of the
emitter is
flow path.



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