



Pressure Reducing Valve



2950M
Pilot



APPLICATIONS

Protecting irrigation networks in:

- Field crops
- Vineyards
- Orchards
- Greenhouses

FEATURES

- Simple and reliable design that is highly resistant to fertilizers and chemicals
- Outstanding performances with high flow capacity and very low head losses achieved by a flexible diaphragm that provides a wide water passage throughout the valve's hydrodynamic body.
- Ultimate durability with long life and easy in-line maintenance accomplished by structural simplicity and high-quality corrosion-free materials.
- Extremely versatile with gal plastic valves available with a full selection of control functions and various end connections.

SPECIFICATIONS

Size	*Connections	Performance		Pressure Range (PSI)		Max Temp	Dimensions		Pallet
		Cv	Max. Flow (GPM)	Low Pressure Diaphragm	High Pressure Diaphragm	F°	Length	Weight (lbs)	Qty
3/4"	TH	9	26	9-114	13-114	140	4-1/2"	0.4	
1"	TH	17.5	44	9-114	13-114	140	4-7/8"	0.4	
1 1/2"	TH	75	110	5-145	10-145	140	7-3/8"	2.0	
2"	TH	93	176	5-145	10-145	140	7-7/8"	2.2	
323	TH	104	396	5-145	10-145	140	9-1/4"	3.1	
3" SuperGal	TH, F	140	440	6-145	6-145	140	10-1/4"	TH=4.4 F=6.8	
434 SuperGal	F	140	640	6-145	6-145	140	11-7/16"	8.0	
343	TH, F	290	812	4-175	4-175	140	TH=17-3/4" F=19"	TH=10.4 F=13.2	22
4"	F, G	410	900	4-175	4-175	140	F=14-1/2" G=13-3/4"	F=13.2 G=8.6	24
646	F	410	960	4-175	4-175	140	16-1/2"	16.5	20
6"	F	678	1540	4-175	4-175	140	16.1/2"	23.4	18
868	F	678	1540	4-175	4-175	140	19.5/8"	30.4	12

* TH = Threaded, F = Flanged, G = Grooved

[Performance Chart](#)

FLOW RATE VS FRICTION LOSS

Size	Cv	Flow Rate (GPM)					
		10	20	30	40	50	60
		Friction Loss, Hf (PSI)					
3/4"	9	1.2	4.9	11.1			
1"	17.5	0.3	1.2	2.9	5.2	8.2	11.8

Size	Cv	Flow Rate (GPM)										
		60	100	140	180	220	260	300	340	380	420	460
		Friction Loss, Hf (PSI)										
1 1/2"	75	0.7	2.0	4.0	6.6	9.9						
2"	93	0.5	1.5	2.9	4.8	7.2	10.1					
323"	104	0.4	1.2	2.3	3.7	5.6	7.8	10.4				
3" SG	140	0.2	0.5	1.0	1.7	2.5	3.4	4.6	5.9	7.4	9.0	10.8
434" SG	140	0.2	0.5	1.0	1.7	2.5	3.4	4.6	5.9	7.4	9.0	10.8

Size	Cv	Flow Rate (GPM)												
		250	320	390	460	530	600	670	470	810	880	950	1020	1090
		Friction Loss, Hf (PSI)												
343	290	0.7	1.2	1.8	2.5	3.3	4.3	5.3	6.5	7.8	9.2	10.7		
4"	410	0.4	0.6	0.9	1.3	1.7	2.1	2.7	3.3	3.9	4.6	5.4	6.2	
646	410	0.3	0.6	0.8	1.1	1.5	1.9	2.4	3.0	3.5	4.2	4.9	5.6	6.4

Size	Cv	Flow Rate (GPM)									
		500	700	900	1100	1300	1500	1700	1900	2100	2300
		Friction Loss, Hf (PSI)									
6"	678	0.5	1.1	1.8	2.6	3.7	4.9	6.3	7.9	9.6	11.5
868	678	0.5	1.1	1.8	2.6	3.7	4.9	6.3	7.9	9.6	11.5