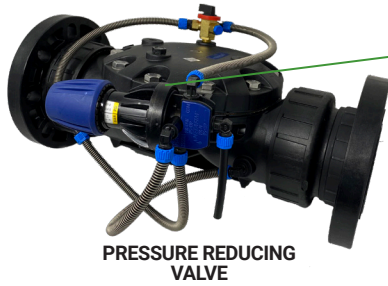


Series 75

NYLON CONTROL VALVES



Outstanding Performances



Ultimate Durability



Extremely Versatile

Benefits & Features

Simple and Reliable Design

- Highly resistant to fertilizers and chemicals.

Outstanding Performances

- 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

- Long life and easy inline maintenance accomplished by structural simplicity and high-quality corrosion-free materials.

Extremely Versatile

- Gal plastic valves are available with full selection of control functions and various end connections.

Application

Series 75 Control Valves - designed to operate and protect irrigation networks in field crops, vineyards, orchards, and greenhouses.

Materials

- Body and Bonnet: Reinforced Nylon (*Optional: Polypropylene)
- Diaphragm: Natural Rubber (*Optional: ALD, EPDM)
- Spring: SST 302, (*Optional: SST 316)

*Optional parts for special chemical resistance

SPECIFICATIONS

		PERFORMANCE		PRESSURE RANGE (psi)		MAX TEMP	DIMENSIONS		PALLET
SIZE	*CONNECTIONS	Cv	MAX. FLOW (GPM)	LOW PRESSURE DIAPHRAM	HIGH PRESSURE DIAPHRAM	°F	LENGTH	WEIGHT (lbs)	QUANTITY
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



FLOW RATE VS FRICTION LOSS



NOW AVAILABLE

Valve Tubing Sleeve for Series 75, 90, & 100



MANUAL NYLON THREADED VALVE

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	1.3	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										
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	740	810	880	950	1020	1090
		FRICTION LOSS, Hf												
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

NEW

SIZE	Cv	FLOW RATE (GPM)									
		500	700	900	1100	1300	1500	1700	1900	2100	2300
		FRICTION LOSS, Hf									
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

NEW

$$\Delta P (\text{Psi}) = \left(\frac{Q[\text{gpm}]}{Cv} \right)^2$$

FIND THE RIGHT VALVES

Download our FREE Control Valves App with features that help you choose the right valve, at your Fingertips.

- Hydraulic Calculations
- Understand Your Valves
- Fix-It Yourself



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