

75 Series 3"H - 8"R CONTROL VALVES

The strong and versatile reinforced nylon valves of the 75 Series exhibit exceptional hydraulic characteristics and provide optimal control of irrigation systems.



Long-lasting
performance



High
durability



Versatility

/ Benefits & Features

- **Long-lasting performance** 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
- **High durability** Long life and easy inline maintenance accomplished by structural simplicity and high-quality corrosion-free materials
- **Versatility** Gal plastic valves are available with full selection of control functions and various end connections

/ Specifications & Recommendations

- Maximum Pressure – 12 bar (175psi)
- Minimum Recommended Flow – 1m³/h (5gpm)
- Minimum Operating Pressure – 0.4 bar (6psi)*
- Maximum Operating Temperature – 60°C (140°F)

* Available with low pressure diaphragm

→ Hydraulic Performance

Diameter	inch	3H	4	6R	6	8R
	mm	80	100	150	150	200
Flow Rate Factor**	Kv (metric)	250	350	350	580	580
	Cv (US)	290	405	405	670	670

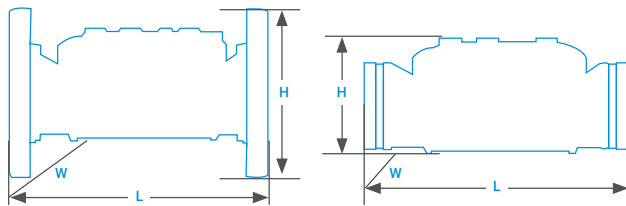
** In order to calculate the head loss at any desired flow rate, use the following equation: Head loss = (Flow rate/Flow rate factor)²

→ Technical Dimensions

Diameter		inch	3"H	3"H	4	4	6R	6*	8R
		mm	80	80	100	100	150	150	200
Connection Type			Thread	Flange	Groove	Flange			
Height	H	mm / inch	162 / 6 ³ / ₈	190 / 7 ¹ / ₂	160 / 7	230 / 9	285 / 11 ¹ / ₅	285 / 11 ¹ / ₅	307 / 12
	W		236 / 9 ² / ₇	236 / 9 ² / ₇	236 / 9 ² / ₇	236 / 9 ² / ₇	285 / 11 ¹ / ₅	285 / 11 ¹ / ₅	307 / 12
Length	L		452 / 17 ³ / ₄	485 / 19	350 / 13 ³ / ₄	373 / 14 ¹ / ₂	420 / 16 ¹ / ₂	420 / 16 ¹ / ₂	500 / 19 ² / ₃
Control chamber volume		cc / gal	500 / 0.13					1000 / 0.26	
Weight		kg / lbs	4.7 / 10.4	6 / 13.2	3.9 / 8.6	6 / 13.2	7.5 / 16.5	10.6 / 23.4	13.8 / 30.4

6R: 646" 8R: 868", H: High Flow, 3H: 343"

* Dimensions for these diameters include flanges



→ Material Specification

#	Part	Material	Optional*
1	Body	GPR	Polypropylene PP
2	Nut	Brass	SST 316
3	Diaphragm	NR	ALD, EPDM
4	Spring	SST 302	SST 316, Inconel
5	Bonnet	GRP	Polypropylene
6	Washer	SST 304	SST 316
7	Bolt	SST 304	SST 316

* Optional parts for special chemical resistance

→ Head Loss

