

75 Series

3/4" - 4"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 – 10 bar (145psi)
- 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	¾	1	1½	2	2½	3R	3	4R
	mm	20	25	35	50	65	80	80	100
Flow Rate Factor**	Kv (metric)	12	16	60	83	85	90	120	120
	Cv (US)	14	20	70	96	98	104	140	140

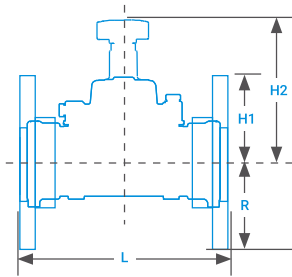
** In order to calculate the head loss at any desired flow rate, use the following equation: Head loss = (Flow rate/Flow rate factor)²

→ Technical Dimensions

Diameter		inch	¾	1	1½	2	2½	3R	3	3*	4R*
		mm	20	25	40	50	65	80	80	80	100
Height	h1	mm / inch	38 / 1½	38 / 1½	67 / 2½	67 / 2½	67 / 2½	67 / 2½	100 / 3½	100 / 3½	100 / 3½
	H2		100 / 4	100 / 4	112 / 4¾	112 / 4¾	112 / 4¾	112 / 4¾	180 / 7¼	180 / 7¼	180 / 7¼
	r		18 / 11/16	22 / 13/16	30 / 1¾	37 / 1½	47 / 1¾	54 / 2½	60 / 2¾	100 / 3½	110 / 4½
Length	L		113 / 4½	124 / 4¾	188 / 7¾	199 / 7¾	228 / 9	236 / 9¼	260 / 10¼	290 / 11¾	290 / 11¾
Control chamber volume	cc / gal		36 / 0.01			180 / 0.04			250 / 0.05		
Weight	kg / lbs		0.2 / 0.44	0.2 / 0.44	0.9 / 2	0.9 / 2	1.2 / 2.6	1.4 / 3.1	1.8 / 4.4	3 / 6.8	4 / 8.8

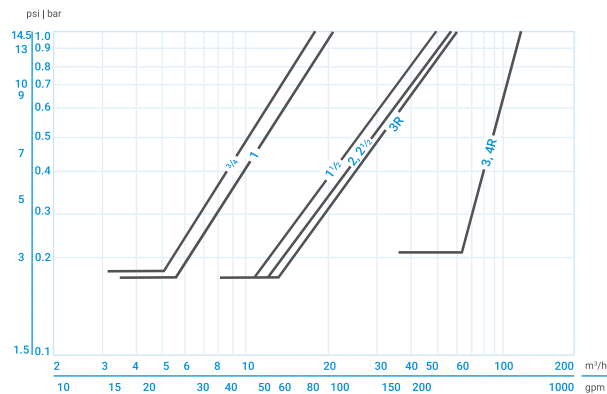
R: Reduced, 3R: 323", 4R: 434"

* Dimensions for these diameters include flanges

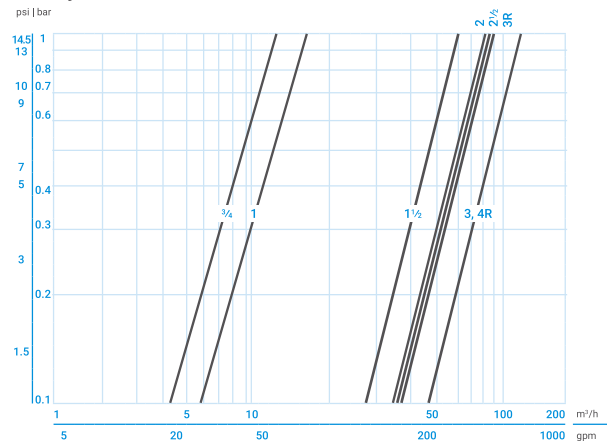


→ Head Loss

2-Way



3-Way



→ Material Specification

#	Part	Material	Optional*
1	Body	Reinforced Nylon	Polypropylene
2	Bonnet	Reinforced Nylon	Polypropylene
3	Diaphragm	Natural Rubber	ALD70
4	Spring	SST 302	SST 316

* Optional parts for special chemical resistance

