

75 SERIES CONTROL VALVES

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



Outstanding
Performances



Ultimate
Durability



Extremely
Versatile

/ Benefits & Features

- **Outstanding 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
- **Ultimated 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

/ Specifications & Recommendations

- Maximum pressure – 10 bar (145 psi), for 3"H - 12 bar (175 psi)
- Minimum recommended flow – 1 m³/h (5 gpm)
- Minimum operating pressure – 0.4 bar (6 psi)
- Maximum operating temperature – 60°C (140°F)

→ HYDRAULIC PERFORMANCE

DIAMETER	INCH	¾	1	1½	2	2½	3R*	3	4R*	3H*	4	6R*	6	8R*
	MM	20	25	40	50	65	80	80	100	80	100	150	150	200
FLOW RATE FACTOR**	KV	7.5	15	60	70	75	80	120		250	350		580	
	CV	9	17.5	70	80	90	92	140		290	410		690	

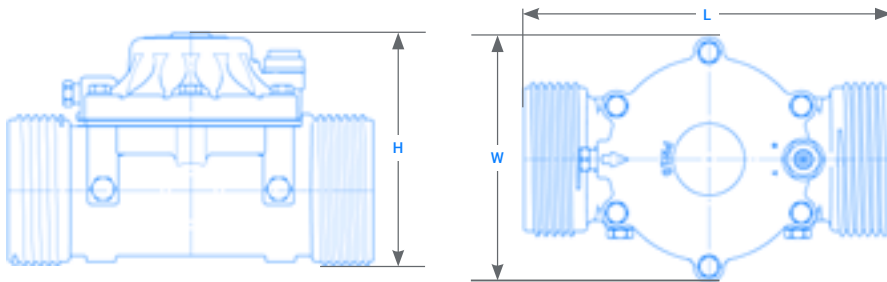
* R – "Reduced" - 3R = 323", 4R = 434", 6R = 646" 8R=868. H=High Flow, 3H=343

** 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*	4R*	4*	6R*	6*	8R*
		MM	20	25	40	50	65	80	80	100	100	150	150	200
HEIGHT	H		60.5/2.42	122.6/4.90	117.6/4.70	118.7/4.75	124.9/5.00	174/6.90		227/9.10	229/9.00	284/11.18	142/5.6	173/6.8
WIDTH	W	MM / INCH	89.5/3.58	130.8/5.23					170/6.80		236/9.29	285/11.22	285/11.22	347/13.7
LENGTH	L		113/4.50	124/4.87	188/7.37	199/7.87	228/9.00	236/9.25	258/10.30	291.5/11.66	370/14.56	420/16.53	423/16.6	504/19.8
VOL. CONTROL CHAMBER	CC / GAL		36/0.01	180/0.04					250/0.05		500/0.13	1000/0.26		
WEIGHT	KG / LBS		0.2/0.44	0.9/2		1.2/2.6	1.4/3.1	3.1/6.8	2/4.4	5.95/13.1	7.95/17.5	13.2/29.1		

* Dimensions for those diameters include flanges



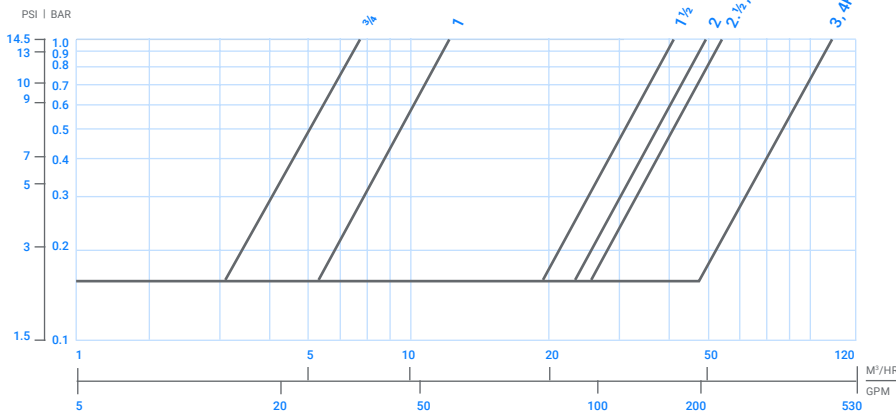
→ MATERIAL SPECIFICATIONS

#	PART	MATERIAL	OPTIONAL
1	BODY	REINFORCED NYLON	POLY-PROPYLENE
2	BONNET	REINFORCED NYLON	POLY-PROPYLENE
3	DIAPHRAGM*	NATURAL RUBBER	ALD70
4	SPRING	SST 302	SST 316

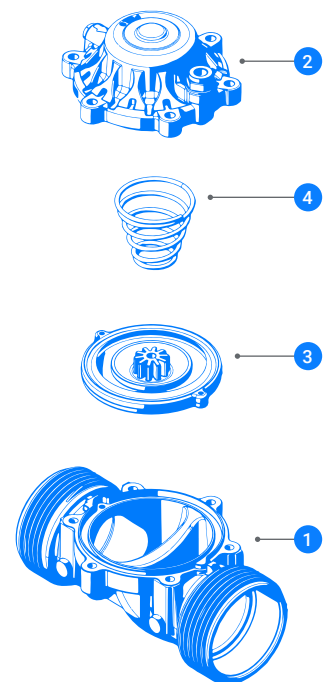
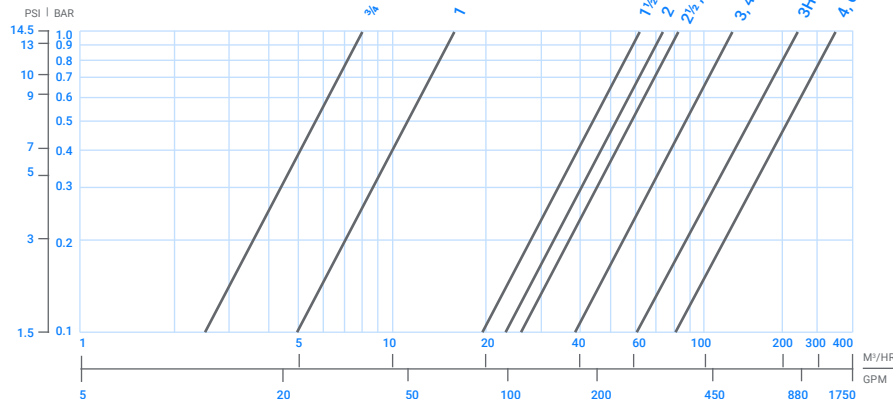
* Optional parts for special chemical resistance

→ HEAD LOSS

2 WAY VALVES



3 WAY VALVES



75 SERIES 3"H - 6"R CONTROL VALVES

The NEW S75 with renewed design innovation provides the highest hydraulic performance for all of your valve applications.



Outstanding
Performances



Ultimate
Durability



Extremely
Versatile

/ Benefits & Features

→ Outstanding performance

New innovative body design provides optimal flow characteristics for both flow and head loss. In addition, the valve reaction times are dramatically improved, enhancing in-field experience

→ Ultimated durability

Improved corrosive resistant material composition provides for a wide range of hydraulic applications while also delivering higher pressure ratings than ever before, up to 12 bar

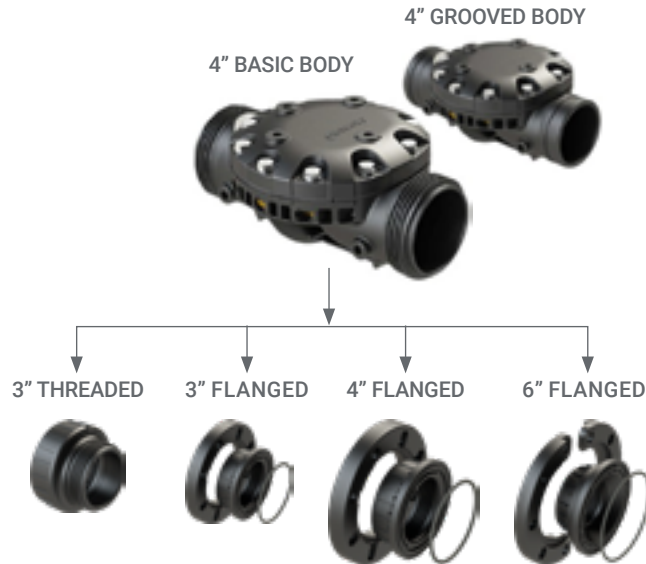
→ Extremely versatile

We listened to you, our customer. The S75 design is adaptable to multiple applications of valve sizing and connection type. Whether your application is 3" Threaded or 6" Flange, we can connect to it. The need to store multiple valve sizes is reduced

/ Applications

- The NEW 3"H, 4" and 6"R models were engineered to operate in the widest pressure ranges possible for optimal control and precision. The NEW S75 are ideal for large scale irrigation projects in field crops, vineyards, or orchards.

→ CONNECTION TYPES



→ CATALOG NUMBERS

DESCRIPTION	CATALOG NUMBER
BASIC VALVES	
BASIC BODY W/O ADAPTERS	71600-051104*
S75PL 4" H VIC BAS 3W	71600-051105
S75PL 3"H H NPT BAS 3W	71600-003351
S75PL 3"H H BSP BAS 3W	71600-003352
S75PL 4" H UNF BAS 3W	71600-051098
S75PL 6"R H UNF BAS 3W	71600-051099
ELECTRIC VALVES	
S75PL 3"H H BSP AQDC 3WNC	71600-003353
S75PL 3"H H NPT AQDC 3WNC	71600-003354
S75PL 3"H H BSP AQAC 3WNC	71600-003356
S75PL 3"H H NPT AQAC 3WNC	71600-003355
S75PL 4"H UNF ELE AQDC 3WNC	71640-005522
S75PL 4"H UNF ELE AQAC 3WNC	71640-002342
S75PL 6"R H UNF ELE AQDC 3WNC	71640-007085
S75PL 6"R H UNF ELE AQAC 3WNC	71640-007086
PRESSURE REDUCING VALVES	
S75PL 3"H H NPT PRV PPY 3W CS	71600-003357
S75PL 3"H H BSP PRV PPY 3W CS	71600-003358
S75PL 3"H H NPT PRV PPY AQDC 3WNC C	71600-003359
S75PL 3"H H BSP PRV PPY AQDC 3WNC C	71600-003360
S75PL 3"H H BSP PRV PPY AQAC 3WNC C	71600-003361
S75PL 3"H H NPT PRV PPY AQAC 3WNC C	71600-003362
S75PL 4"H UNF PRV PPY 3W CS	71600-051096
S75PL 4"H UNF PRV PPY AQDC 3WNC C	71640-002343
S75PL 4"H UNF PRV PPY AQAC 3WNC C	71640-002344
S75PL 6"R H UNF PRV PPY 3W CS	71600-052600
S75PL 6"R H UNF PRV PPY AQDC 3WNC C	71640-007087
S75PL 6"R H UNF PRV PPY AQAC 3WNC C	71640-007088
PRESSURE SUSTAINING VALVES	
S75PL 4"H UNF PSV PPG AQDC 3WNC C	71640-005598
S75PL 4"H UNF PSV PPG AQAC 3WNC C	71640-005591
S75PL 6"R H UNF PSV PPG AQDC 3WNC C	71640-007091
S75PL 6"R H UNF PSV PPG AQAC 3WNC C	71640-007092

* For end connection adapters, please refer to the spare parts list

75 SERIES 6" - 8"R CONTROL VALVES

The strong and versatile 75 series, is renewing with 6" & 8"R valves that exhibits high-end hydraulic performances. The valve provides high flow rates while operating at low head losses for better irrigation management.



Outstanding Performances



Ultimate Durability



Light & Compact

/ Benefits & Features

- **Outstanding performance** Higher flow capacity and very low head losses achieved by a uniquely designed flexible diaphragm that provides a wide water passage throughout the valve's hydrodynamic body
- **Ultimate durability** Long life and easy inline maintenance accomplished by simple & robust structure and high-quality corrosion-free materials
- **Light & compact** Super compact structure and minimal parts makes it simple to install and maintain

/ Applications

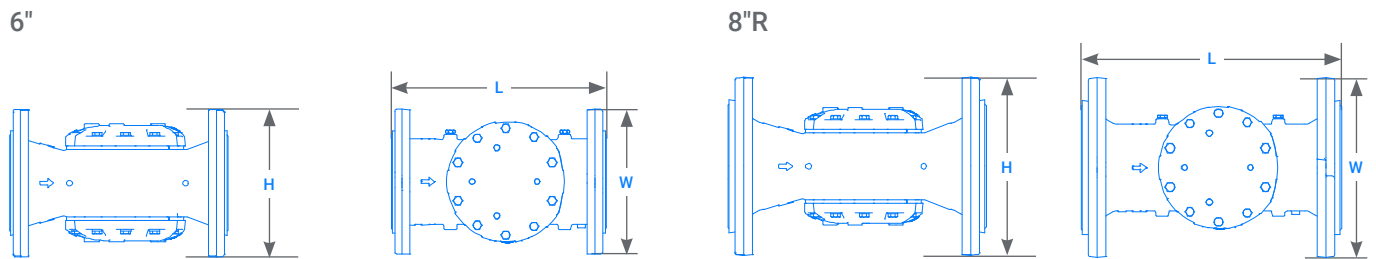
- The new 6" and 8"R plastic valve designed to operate in versatile pressures ranges for optimal control of large scale irrigation plots in field crops, vineyards and orchards with various control features.

→ HYDRAULIC PERFORMANCE

DIAMETER	METRIC	US
MAX. CONTINUOUS FLOW	350 M ³ /H	1540 GPM
MAX. INTERMITTENT FLOW	955 M ³ /H	4200 GPM
MIN. PRESSURE	0.5 BAR	7 PSI
MAX. PRESSURE	12 BAR	175 PSI
MAX. TEMPERATURE	60°C	140°F
KV / CV	580	690

→ TECHNICAL DIMENSIONS

DIAMETER		6"		8"	
		METRIC	US	METRIC	US
HEIGHT	H	142	5.6	173	6.8
WIDTH	W	285	11.22	347	13.7
LENGTH	L	423	16.6	504	19.8
VOLUME CONTROL CHAMBER		1000 CC	0.26 GAL.	1100 CC	0.29 GAL.
WEIGHT		10.4 KG	22.9 LBS.	13.2 KG	29.1 LBS.



→ MATERIAL SPECIFICATION

#	PART	MATERIAL
1	BODY	GRP
2	NUT	BRASS
3	DIAPHRAGM	NR
4	SPRING DISC	GRP
5	SPRING	SST
6	BONNET	GRP
7	WASHER	SST
8	BOLT	SST