

DESCRIPTION:

“PR” model pressure reducer control valve is the hydraulic control valve which reduces high upstream pressure value to desired lower pressure value by means of built-in pressure reducing pilot valves. Pressure reducer control valve controls downstream pressure value continuously and maintains it constant without being affected from flow rate and upstream pressure values. When no flow exists in the system, it closes itself automatically. When valve upstream pressure value, it is opened fully by itself. Valve may be used in vertical or horizontal positions in the system.

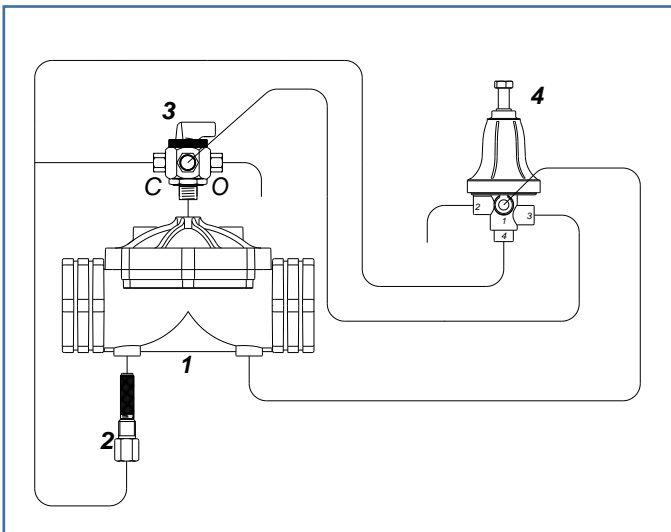
55PR-57PR

Pressure Reducing Valve



MAIN CONTROL SYSTEM COMPONENTS:

- 1) Main Valve
- 2) Finger Filter
- 3) 3 Way Selector Valve
- 4) Multi-Functional Pilot



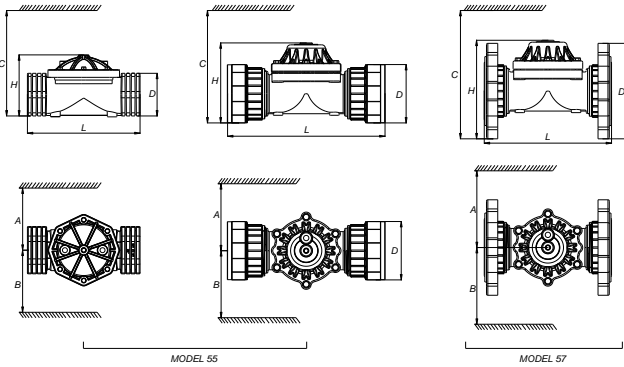
TECHNICAL SPECIFICATIONS:

General Specifications	
Pressure Class	PN10
Maximum Working Temperature	(60 °C)
Size Range	1 ½" – 2" – 2 ½" – 3" – 4"
55 Model	1 ½" – 2" – 2 ½" – 3" – 4"
57 Model	4"
Main Valve Type	Diaphragm Actuated Diaphragm Closed Single Chamber
Material Properties	
Body - Cover	Glass Reinforced Polyamide
Diaphragm	Reinforced Natural Rubber
Flange Flange Adapter Thread Adapter	Glass Reinforced Polyamide
Internals	Stainless Steel, Nylon6,
Control System	
3 Way Selector Valve	Perform manuel control of the main valve.
Multi-Functional Pilot	The same size pilot used for all valve size.
Fittings	Plastic (standard)
Tubing	Polyamide (standard)
Connection	
Flanged (57 series)	TS EN 1092/2 PN10 (standard)
Threaded (55 series)	BSP (standard) – NPT (optional)

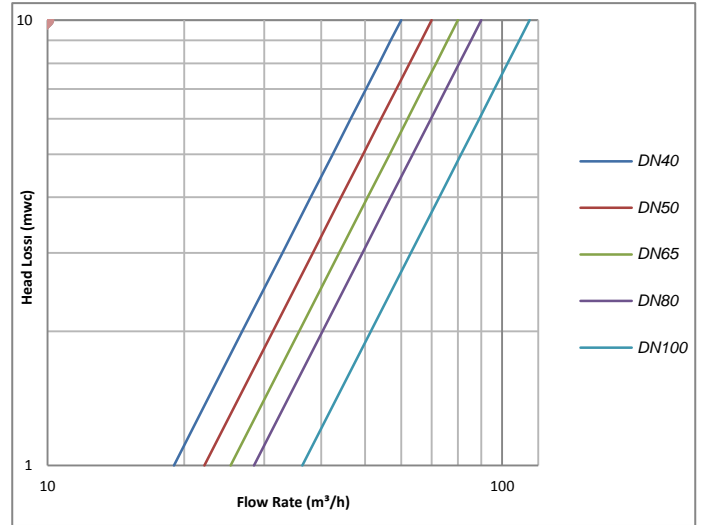
500 SERIES

DIMENSIONS:

Size		H	C	L	D	A,B
inch	mm	mm	mm	mm	mm	mm
1 ½	40	110	360	200	62	316
2	50	110	360	200	75	316
2 ½	65	138	388	250	95	329
3	80	145	395	250	109	329
4(55)	100	180	430	350	135	336
4(57)	100	230	480	280	230	356



FLOW CHART:



QUICK SIZING:

Valve Size	mm	40	50	65	80	100
	inch	1 ½	2	2 ½	3	4
Kv	m³/h @ 1 bar	60	70	80	90	115
Cv	gpm @ 1 psi	70	85	95	105	135
Maximum Flow Continuance	m³/h	30	40	65	75	100
	gpm	132	176	286	330	440
Maximum Flow Intermittent	m³/h	45	55	95	110	145
	gpm	198	242	418	484	638