

DESCRIPTION:

“EL” model valve is the hydraulic control valve operated by line pressure and designed to ensure opening/closing process by means of built in 3-way solenoid pilot valve controlled remotely with electric signal. Electric signal for solenoid pilot valve is ensured by means of a control device, time relay, main switch and PLC control units etc. Opening/Closing process may be realized easily thanks to manual control on solenoid pilot valve. Depending on requirements. 24V AC 50Hz/60Hz or 12V DC, 9V Latch and 12V DC Latch normally open (N.O.) or normally closed (N.C.) solenoids coils may be used on main valve.

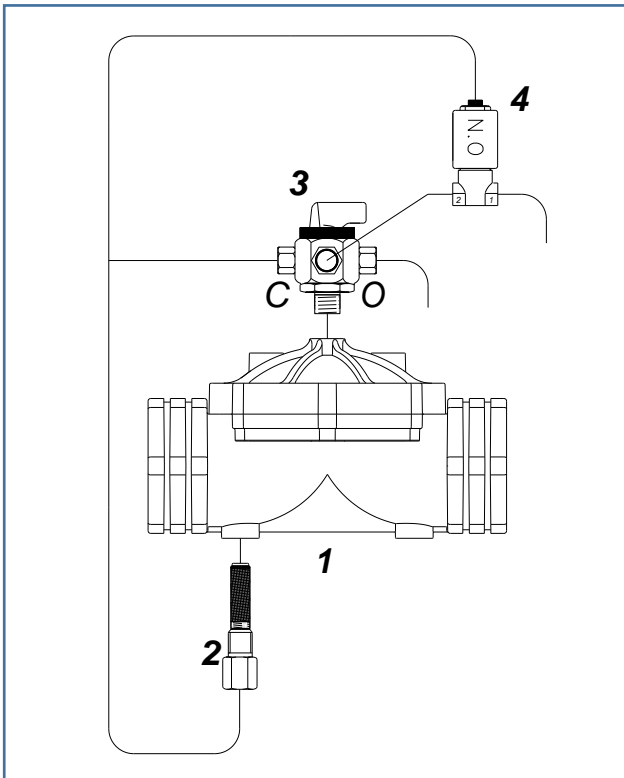
55EL-57EL

Solenoid Control Valve



MAIN CONTROL SYSTEM COMPONENTS:

- 1) Main Valve
- 2) Finger Filter
- 3) 3 Way Selector Valve
- 4) 3/2 Solenoid Valve N.O (standard)



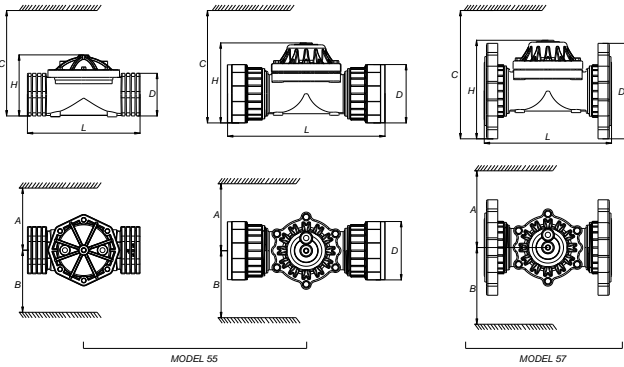
TECHNICAL SPECIFICATIONS:

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 manual control of the main valve.
Solenoid Valve	24VAC (standard) 12VDC (optional) 9-12VDC Latch (optional)
Fittings	Plastic (standard)
Tubing	Polyamide (standard)
Connection	
Flanged (57 series)	TS EN 1092/2 PN10 (standard)
Threaded (55 series)	BSP (standard) – NPT (optional)

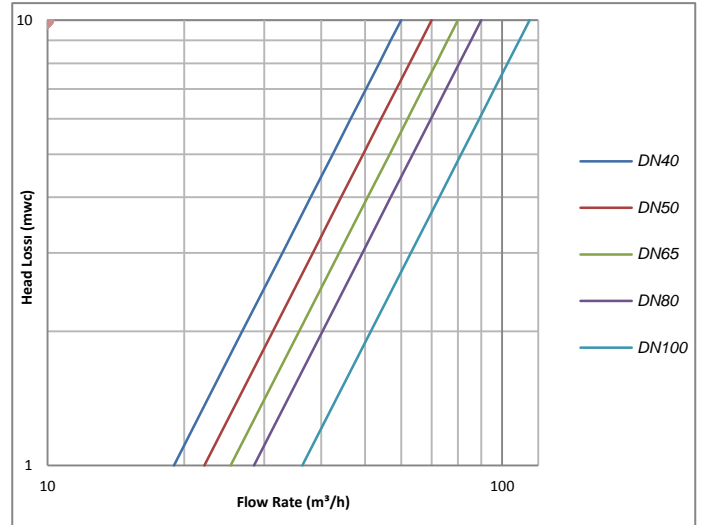
500 SERIES

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