



Model 38

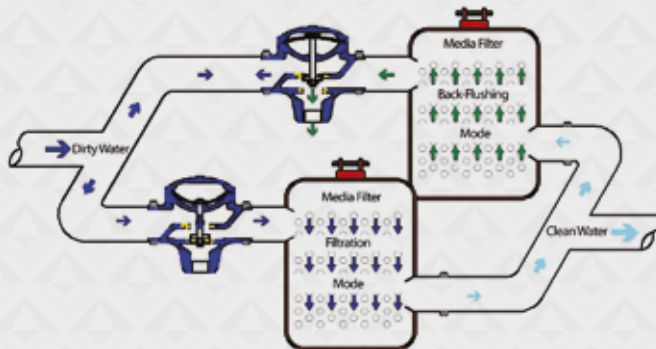


Model 37

Description

Backflushing control valves are the 3-way control valves which are operated by line pressure or an external pneumatic pressure. Valve works in filtration and back flushing mode as coordinated with filter elements in the system. Diaphragm-pilot valve assembly of valve works as bidirectional. While valve is switching into backflushing mode in filtration mode, pilot valve changes its way and opens relief way. It thereby prevents that fresh water is mixed with waste water and cleans filter elements in the best manner.

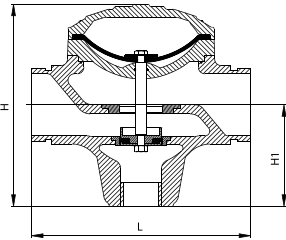
Working Principals

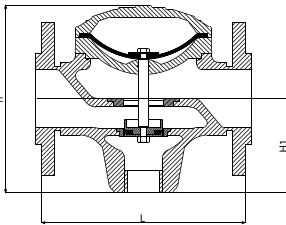


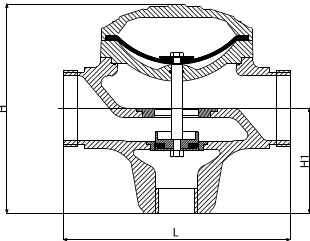
Technical Features

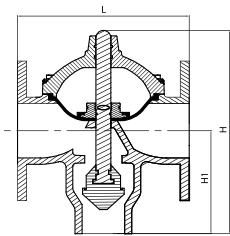
Working Pressure	Standard	0,7 - 10 bar (10-145 psi)
Temperature	Min. Operation Temperature	-10 °C (14 °F) DIN 2401/2
	Max. Operation Temperature	80 °C (176 °F) DIN 2401/2
Connection	Flanged	DIN 2501, ISO 7005 - 2
	Threaded	ISO (BSP), ANSI (NPT)
	Grooved End	Victaulic
Coating	Standard	Polyester
	Optional	Epoxy

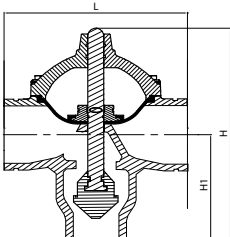
Available Models

Model 21	Diameter	Connection	Dimensions		
				mm	inch
	2"x2"	Filter: 2" Threaded	L	195	7,8
		Drainage: 2" Threaded	H	190	7,6
			H1	100	4

Model 27	Diameter	Connection	Dimensions		
				mm	inch
	4"x3"	Filter: 4" Flanged	L	295	11,6
		Drainage: 3" Threaded	H	240	9,4
			H1	125	5

Model 28	Diameter	Connection	Dimensions		
				mm	inch
	4"x3"	Filter: 4" Grooved End	L	270	10,6
		Drainage: 3" Grooved End	H	240	9,4
			H1	125	5

Model 37	Diameter	Connection	Dimensions		
				mm	inch
	3"x2"	Filter: 3" Flanged	L	230	9
		Drainage: 2" Threaded	H	138	5,4
			H1	272,5	10,7

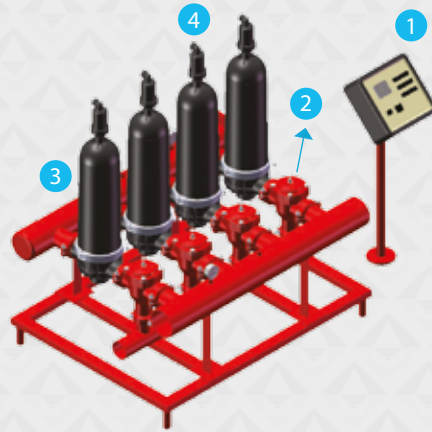
Model 38	Diameter	Connection	Dimensions		
				mm	inch
	3"x2"	Filter: 3" Grooved End	L	230	9
		Drainage: 2" Threaded	H	138	5,4
			H1	272,5	10,7



Main Parts

Part Name	Material
Body	Cast Iron GG 25
Cover	Cast Iron GG 25
Diaphragm	Nylon Reinforced Natural Rubber
Stem	Stainless Steel SST 304
Spring Thrust Ring	Polyamide
Spring	Stainless Steel SST 302
Bolt, Nut	Coated Steel SST
Sealing Seat	Bronze
Sealing Gaskets	EPDM, Natural Rubber

Typical Application

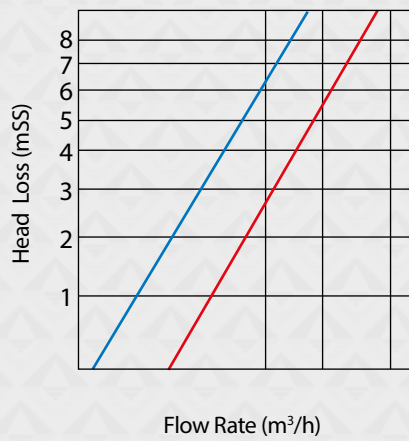


- 1 Controller
- 2 Back-Flushing Valve
- 3 Disc Filter
- 4 Kinetic Air Valve

Head Loss Charts

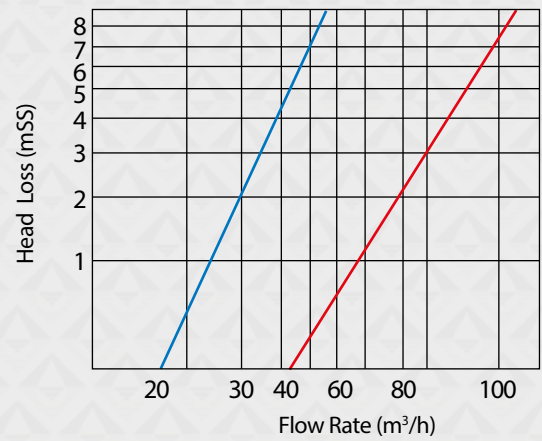
2"x2" Head Loss Chart

Backflushing Mode Filtration Mode



3"x2" Head Loss Chart

Backflushing Mode Filtration Mode



4"x3" Head Loss Chart

Backflushing Mode Filtration Mode

