SURGE ANTICIPATING CONTROL VALVE



Product Description

V508 Surge Anticipating Control Valve that the system is protected by relieving the surge pressure caused by changes in water velocity as a result of power cuts in pump systems and cut in and out of pumps. Valve is opened rapidly during power cuts and returning negative surge pressure is drained. When negative surge pressure is in normal values, valve closes itself gradually.



Technical Data						
Size range	DN40 - DN300					
Pressure range	0,7 - 16 bar (10 - 240 psi)					
Temperature	-10°C to +80 °C					
Flange drilling	Flanged EN 1092-2 / ISO 7005-2 Threaded ISO (BSP) - ANSI (NPT)					
Coating	Polyester Epoxy					
Testing	EN 12266-1					
Marking	EN 19					

Working Principle



Application Range

- Agricultural irrigation
- Household implementation
- Supply of water fire extinguishing
- Various applications of industrial systems.
- Food and chemical enterprises

Adjustment

Place the water gauge properly, paying attention to the tank level. Set the automatic mode for three-way globe valve. Connect the cable of solenoid coil and water gauge to the panel. Drain water to the system.

















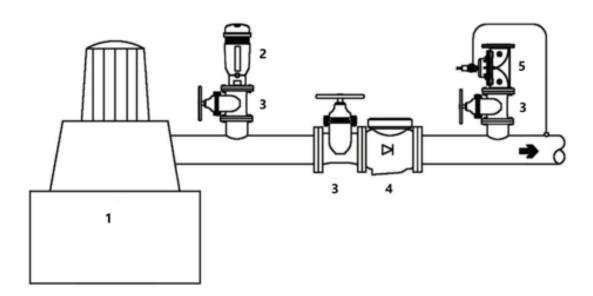
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Product Features

- No need for extra energy by running on pressure network.
- Easy maintenance.
- Protection of network against excessive pressure.
- Rapid detection of high and low pressure.
- To be replaced and used instead of balance tanks.
- Does not require maintenance in operation for a long time due to its corrosion resistant components.
- Has a long working life in operation since coating has been made with phosphorization and over-dried epoxy powder paint.
- Performs perfect modulation in variable flows and even too low flow rates close to zero.
- Has a wide range of application with use of different pilot valves.

Application System



- 1-Pump
- 2- Air Release Valve
- 3- Isolation Valve
- 4- Check Valve
- 5- Surge Anticipating Control Valve

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Material List



No	Part Material				
1	BODY	GGG40 Ductile Iron / GG25 Cast Iron			
2	DIAPHRAM	Court Fabric / Reinforced Natural Rubber			
3	COVER	GGG40 Ductile Iron / GG25 Cast Iron			
4	WASHER	Plated Steel			
5	BOLT	Plated Steel			
6	NUT	Plated Steel / MS 58 Brass			
7	SPRING THRUST RING	Polyamic			
8	SPRING	AISI 304			

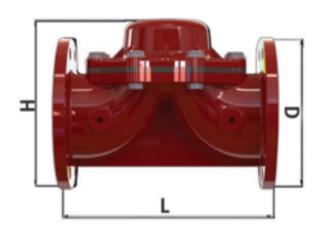


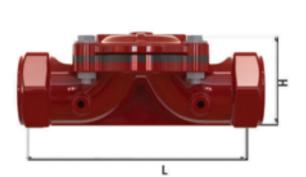
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Dimensions Table





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FLANGED CONTROL VALVES													
DN			L			Н		Weight					
inch	mm	inch	mm	inch	mm	inch	mm	lbs	kg				
2"	50	8	204	6.4	165	6.4	165	33	15				
2½"	65	8.1	206	7.2	185	7.2	185	36	16.5				
3"	80	11.4	290	7.8	200	7.8	200	57	26				
4"	100	11.6	296	8.6	220	8.6	220	61	28				
5″	125	12.3	314	9.8	250	9.8	250	72	33				
6"	150	16.2	413	11.2	285	12.6	321	125	57				
8"	200	18.5	470	13.3	340	18.8	403	187	85				
10"	250	18.5	470	16	407	17	433	226	103				
12"	300	20.8	530	18.3	466	19.5	497	316	145				
	THREADED CONTROL VALVES												
D	DN L		H			Weight							
inch	mm	inch	mm	inch		mm		lbs	kg				
2"	50	8.1	206	4.2		107		28.6	13				
2½"	65	9	230	4.3		110		30.8	14				
3"	80	13.7	350	5.7		145		44	20				