VERTICAL PUMP CONTROL VALVE



Product Description

V511 Vertical Pump Control Valve is designed to put into use and unmount the pumps without damaging the system. Tee fitting is provided. When the system is off, the valve is on. When the system starts, the valve enables water to flow by closing itself gradually. The control of these valves can be maintained by a control device, intermittent relay, switch, PLC control unit, etc.



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

Connect the signal pipe and orifice plate sent together with the valve to the network as it is shown in user's manual. Move the three-way globe valve on the valve to automatic mode. Open the protection cap of the three-way pilot on the valve. If the flow passing through the valve is insufficient, boost the flow by screwing the adjusting bolt. If the flow passing through the valve is more than demanded amounts, reduce the flow by loosening the adjusting bolt.

















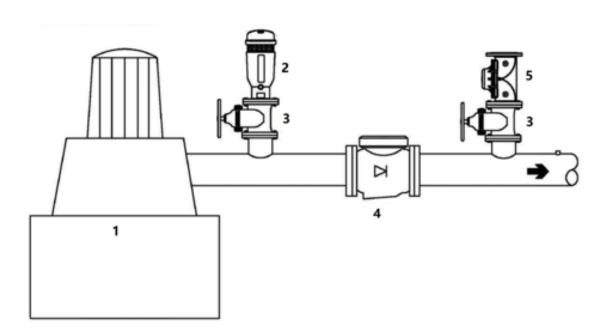
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Product Features

- Protection of network against excessive pressure
- Adjustable isolating rate.
- Low energy consumption.
- Easy maintenance.
- Geolocation thanks to limit switch.
- Easy and zero adjustment to demanded pressure.
- Doesn't 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 phosphorylation 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- Vertical Pump Control Valve











V511

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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				





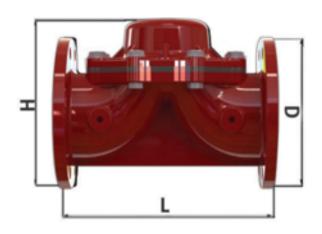


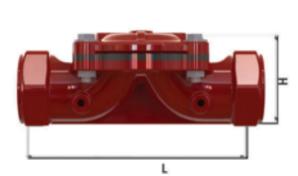


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Dimensions Table





			FL#	ANGED CO	NTROL VAL	/ES					
DN		L		D		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											
DN L		н				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		