

V507

ELECTRICAL FLOAT CONTROL VALVE



Product Description

TVN V507 Electrical Float Control Valve ensures that water level of tanks and reservoirs is controlled automatically. Main valve control is established by two-way pilot water gauge. When water level is below adjusting level, valve is opened automatically to fill up the tank. When it reaches the adjusting level, valve is closed automatically to fix the water level.



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

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.

Working Principle



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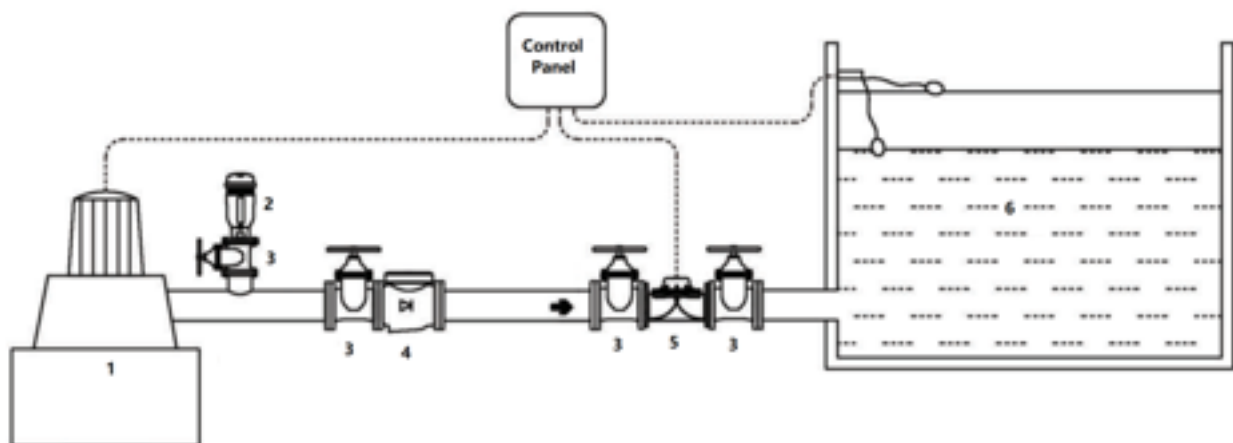
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Product Features

- Manual switch on/off.
- Low energy consumption.
- Control in different voltages.
- Adjustable isolating rate.
- 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- Electrical Float Control Valve
- 6- Reservoir

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Material List



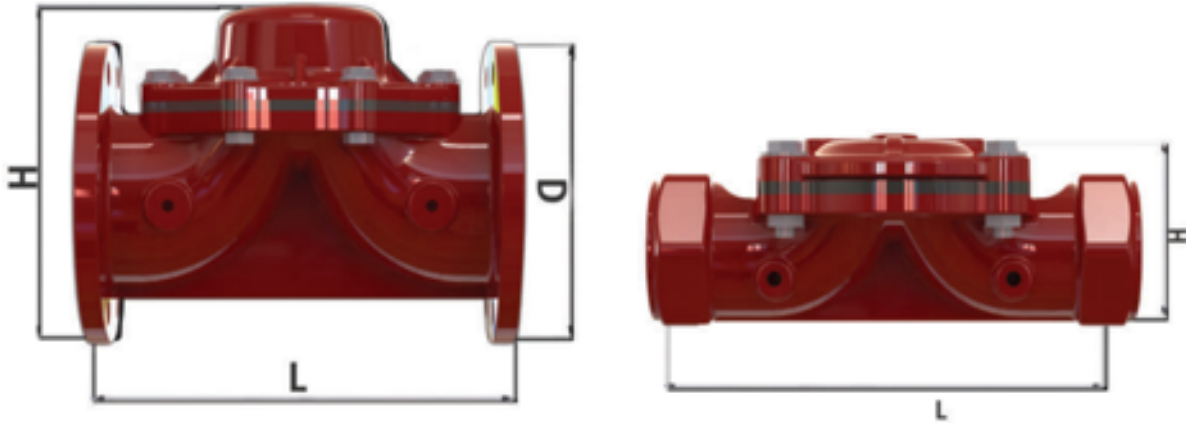
No	Part	Material
1	BODY	GGG40 Ductile Iron / GG25 Cast Iron
2	DIAPHRAM	Court Fabric / Reinforced Natural Rubber
3	COVER	GGG40 Ductile Iron / GG25 Cast Iron
4	WASHER	Plated Steel
5	BOLT	Plated Steel
6	NUT	Plated Steel / MS 58 Brass
7	SPRING THRUST RING	Polyamic
8	SPRING	AISI 304

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Dimensions Table



FLANGED CONTROL VALVES									
DN		L		D		H		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		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		