

V509

FLOW CONTROL VALVE



Product Description

TVN V509 Flow Control Valve is designed with the aim of controlling the flow in valve. The valve fixes the flow without being affected by surge pressure at valve inlet. It prevents waste of water by blocking overflow in filtration systems during backwash.



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

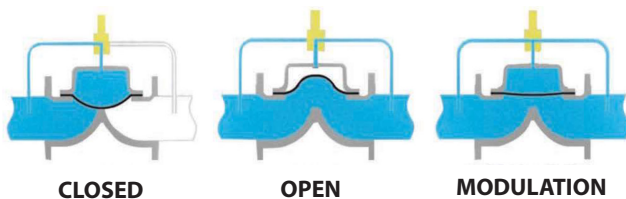
Application Range

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

Adjustment

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.

Working Principle



IRRIGATION



POTABLE WATER

V509

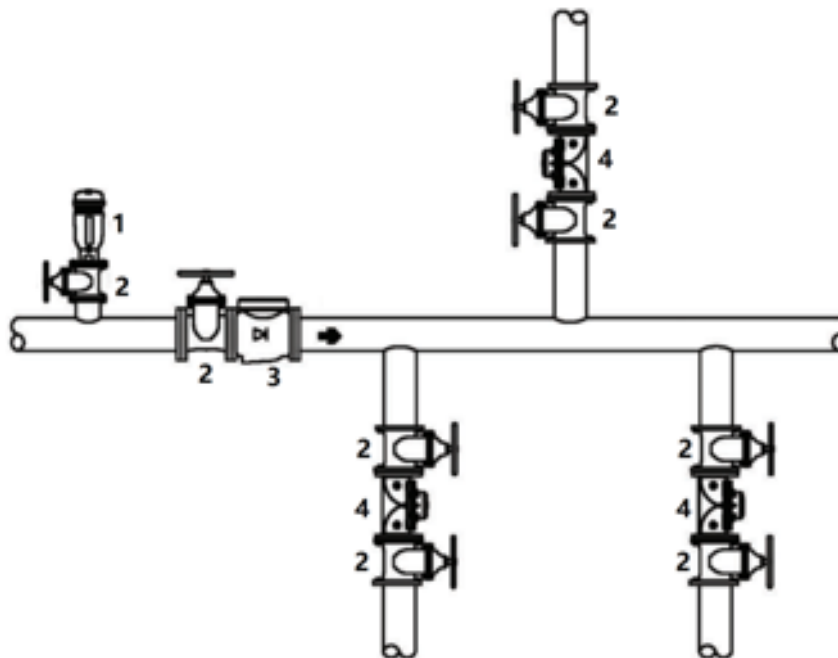
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Product Features

- No need for extra energy by running on pressure network.
- Easy and zero adjustment to demanded pressure.
- Easy maintenance.
- 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- Isolation Valve
- 3- Check Valve
- 4- Flow 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

