

TFVS Tank Float Valve Stainless



Tank Float Valve

The **TFV Tank Float Valve** is a robust, mechanically operated float-controlled valve designed to provide reliable and fully automatic liquid level control in water and liquid storage tanks. Utilising a simple yet proven float-actuated mechanism, the valve continuously monitors the liquid level within the tank and automatically regulates the inlet flow. As the liquid level falls, the valve opens to allow replenishment of the tank, and as the level rises to the predetermined set point, the valve gradually closes to prevent overfilling.

Designed for dependable operation without the need for electrical power, control systems, sensors, or external actuators, the TFV Tank Float Valve offers a cost-effective and maintenance-friendly solution for a wide range of commercial, industrial, marine, agricultural, and utility applications. Its purely mechanical operation ensures continued functionality during power outages and eliminates the complexity associated with electrically operated level control systems.

Manufactured from high-quality stainless steel and corrosion-resistant materials, the valve is engineered to withstand demanding operating environments and provide long service life with minimal maintenance requirements. The robust construction offers excellent resistance to corrosion, wear, and mechanical damage, making it suitable for use with potable water, process water, rainwater harvesting systems, cooling water systems, and general liquid storage applications. Available in a range of sizes and float configurations, the TFV Tank Float Valve can be installed in both new and existing tank systems and provides accurate, repeatable level control while helping to reduce water wastage, prevent tank overflow, and maintain consistent liquid reserves. Its compact design and straightforward installation make it an ideal solution wherever reliable automatic tank filling is required.

Key Benefits

- Fully automatic liquid level control without electrical power
- Prevents tank overfilling and unnecessary water loss
- Simple mechanical operation for maximum reliability
- Corrosion-resistant stainless steel construction
- Suitable for potable water and industrial liquid applications
- Low maintenance and long service life
- Operates during power failures and emergency conditions
- Easy installation and adjustment
- Available in multiple sizes and float options
- Suitable for commercial, industrial, marine, agricultural, and utility installations.

Features

- Fully mechanical operation
- Automatic water level control
- Corrosion-resistant stainless steel construction
- Suitable for potable and industrial water systems
- Stainless steel float ball
- Compact design
- Reliable shut-off performance
- No external power supply required

Design Standard

- QB/T1199-1991
- BS 1212

Wall Thickness Standard

- ASME B16.34

Thread Standards

- ASME B1.20.1
- BS21
- DIN 2999 / ISO 7-1
- JIS B0203
- ISO 7-1

Pressure Testing Standard

- MSS SP-110
- EN 12266

Material Standard

- ASTM / GB Standards

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Materials of Construction

Item	Component	Material
1	Valve Body	SS304 / SS316
2	Lock Nut	SS304 / SS316
3	Sealing Ring	NBR
4	Valve Seal	Silicone / FKM
5	Plug	SS304 / SS316
6	Stem	SS304 / SS316
7	Self-Sealing Washer	FKM
8	Cap	PTFE
9	Nut	SS304 / SS316
10	Float Ball	SS304 / SS316
11	Connecting Rod	SS304 / SS316

Dimensions

Size	L1 (mm)	L2 (mm)	L3 (mm)	d (mm)	D (mm)	Float Diameter (S)
1/2"	16	56	290	12	15	115 mm
3/4"	16	56	290	15	19	115 mm
1"	20	60	290	21	26	135 mm
1 1/4"	20	68	400	24	35	135 mm
1 1/2"	22	74	400	26	40	150 mm
2"	25	84	400	31	50	150 mm

