

Smart Solutions for Pressure, Level, Flow & Leakage Management



॥ अविरत जल प्रदाय ॥

Alpine Flowtech

- Experience
- Knowledge
- Dedication
- Action
- Support

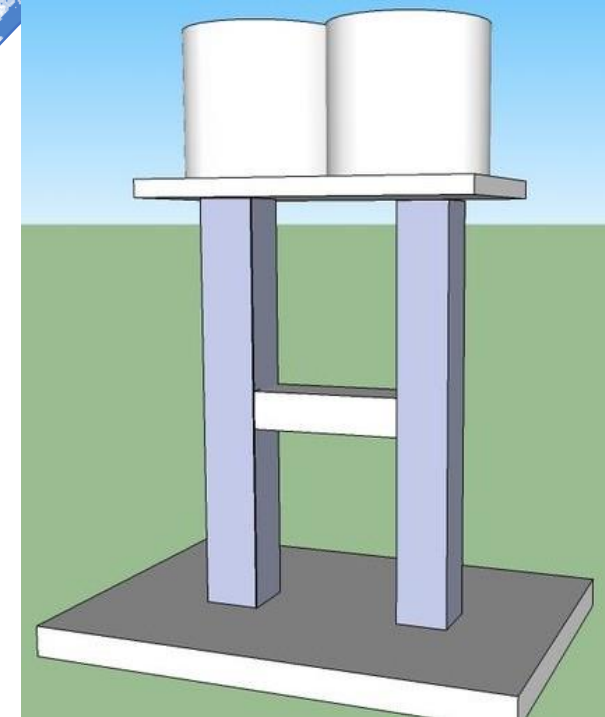


॥ अविरत जल प्रदाय ॥



Rural OHT Mechanical Level Control

ग्रामीण जल आपूर्ति परियोजनाओं के लिए पूरी तरह से यांत्रिक विशेष फ्लोट वाल्व



Special Float Valve with High Performance Mechanical Sensor

उच्च प्रदर्शन यांत्रिक सेंसर के साथ विशेष फ्लोट वाल्व



- Sizes 50 mm to 200 mm & above.
- PN 10, 16
- Ductile Iron Body Gr. 500/7
- SS 304 Spring, Tubes and Fittings & Closing Speed Control
- Less Free Board-Optimization of Tank Capacity
- Food Grade WRAS Approved 250 Microns Powder Coating.
- High Performance EPDM WRAS Approved Reinforced Diaphragm
- SS 304 External Fasteners
- Extra Tappings for Future SCADA Upgrade
- Transparent Filter with Flushing Valve for Float Sensor for easy maintenance.
- Pressure switch integration for pumping pipelines.



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ग्रामीण टैंक फ्लोट
वाल्व सस्ती है

Special फ्लोट
Valve पूरी तरह से
यांत्रिक है और
स्थापित करना
आसान है

विशेष RFV को
संचालित करने के
लिए बिजली की
आवश्यकता नहीं
होती है

विशेष RFV पानी के
अतिप्रवाह को रोकता है।
विशेष RFV पानी के
नुकसान को रोकने के
कारण NRW को कम
करेगा

विशेष RFV
रखरखाव के लिए
विशेष कौशल की
आवश्यकता नहीं
होती है

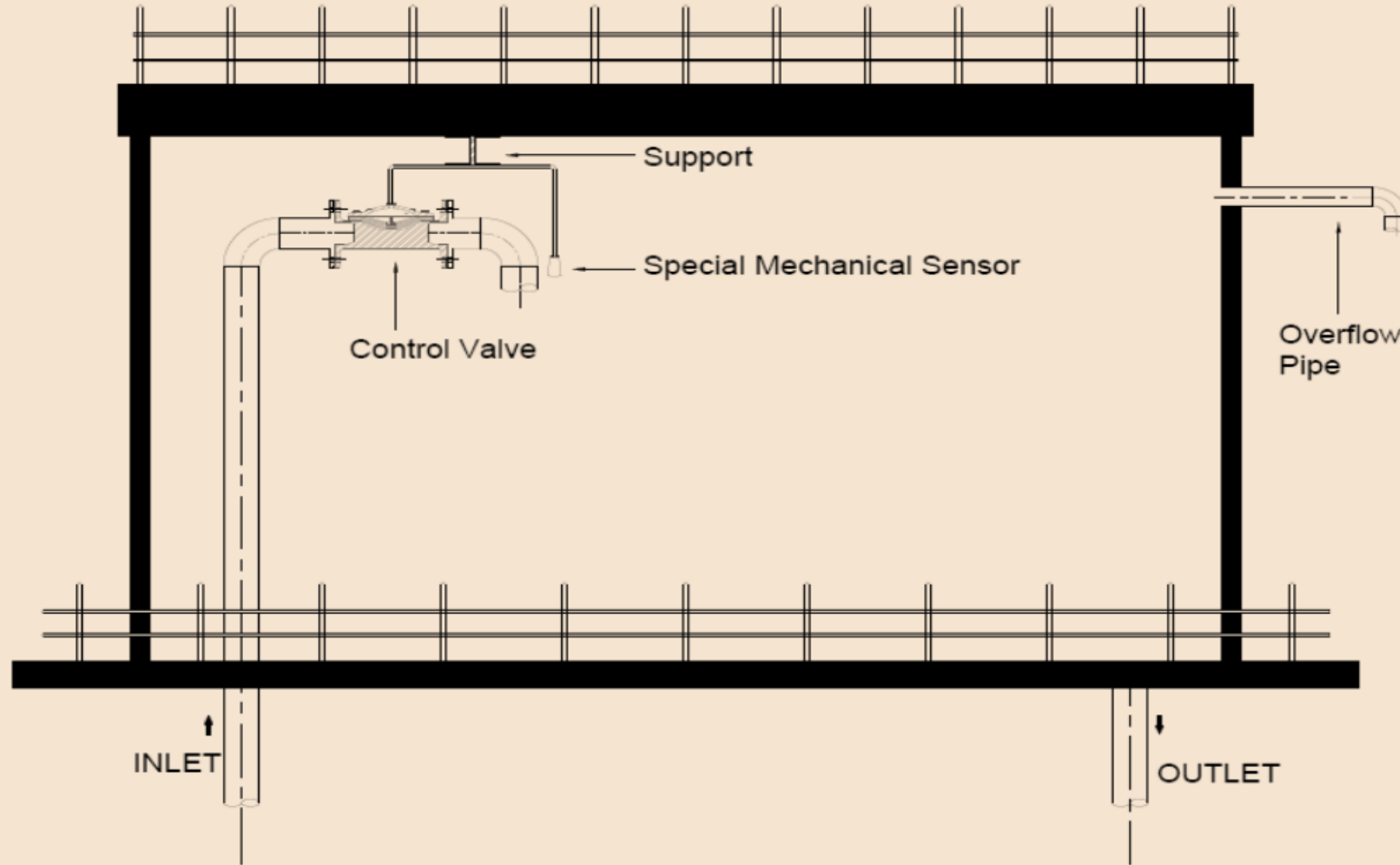
विशेष SFV को
लाइन में और
आसानी से साफ
किया जा सकता है

विशेष RFV को
SCADA के माध्यम
से संचालित करने
के लिए संशोधित
किया जा सकता
है



॥ अविरत जल प्रदाय ॥

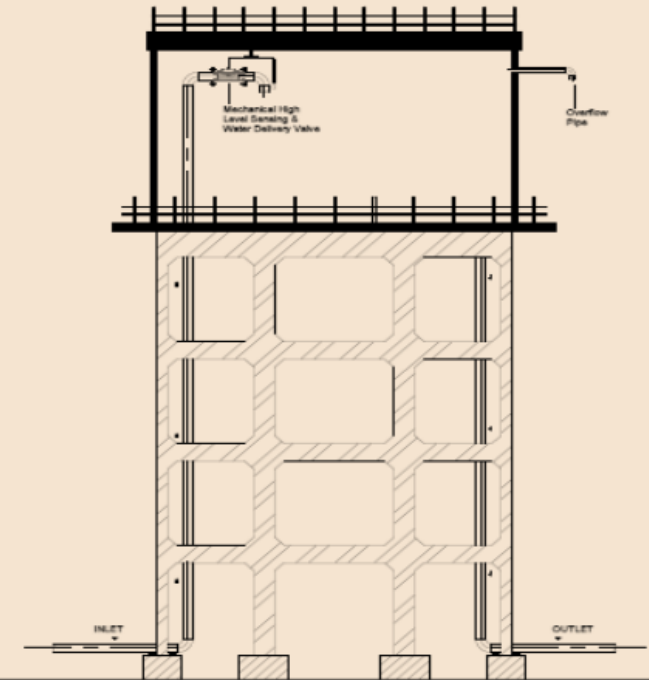
ALPINE FLOWTECH



NO - OVERFLOW™

Tank Overflow Prevention System.

Fully Mechanical	Easy to Operate
No Power Needed	Long Life
Very Economical	In Line Service



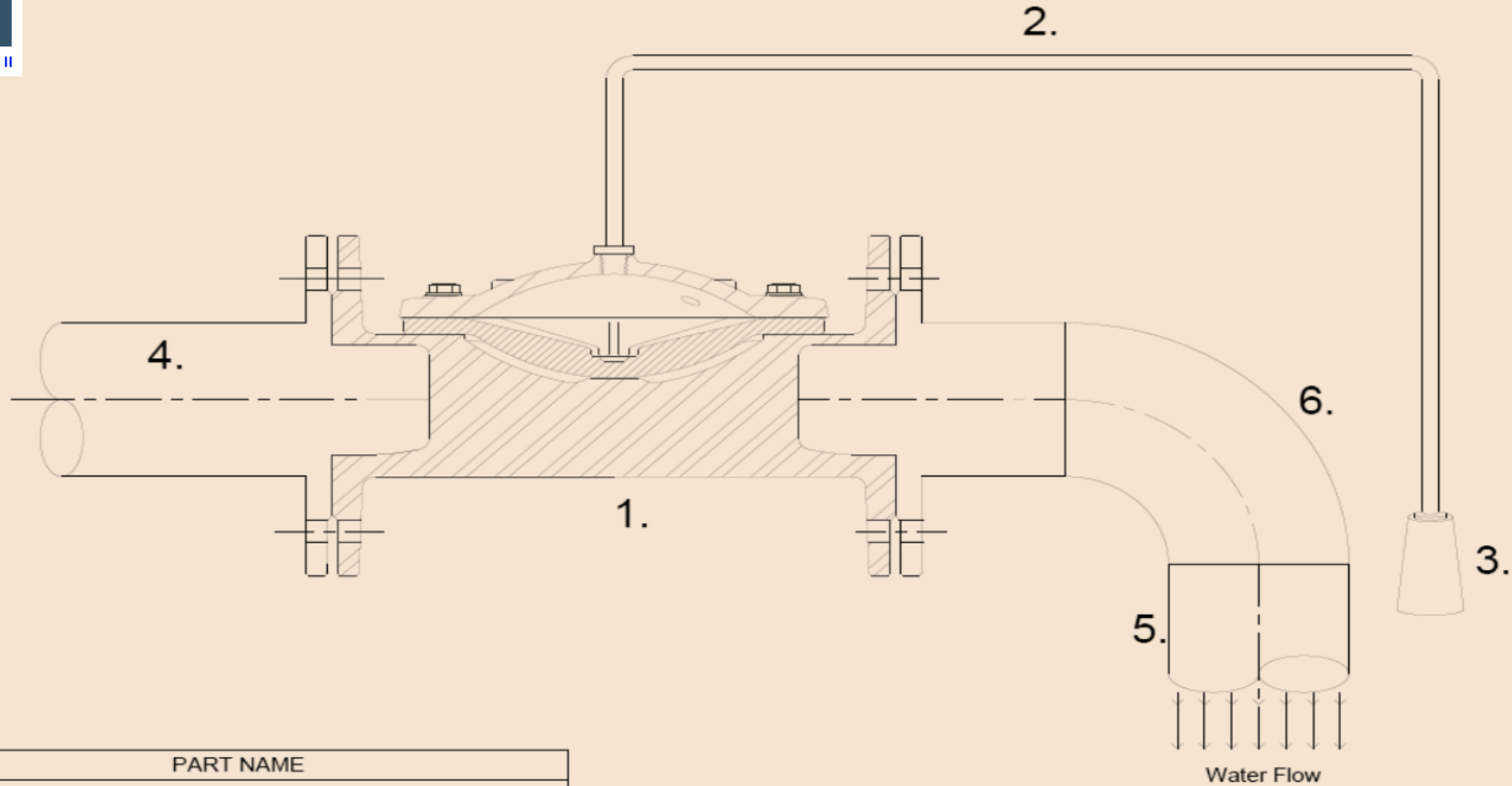
NO - OVERFLOW™ TANK OVERFLOW PREVENTION SYSTEM.

Owner:	ALPINE FLOWTECH
Name:	NO - OVERFLOW™
Date:	30.10.2019
Scale:	N.T.S.



॥ अविरोध जल प्रदाय ॥

ALPINE FLOWTECH



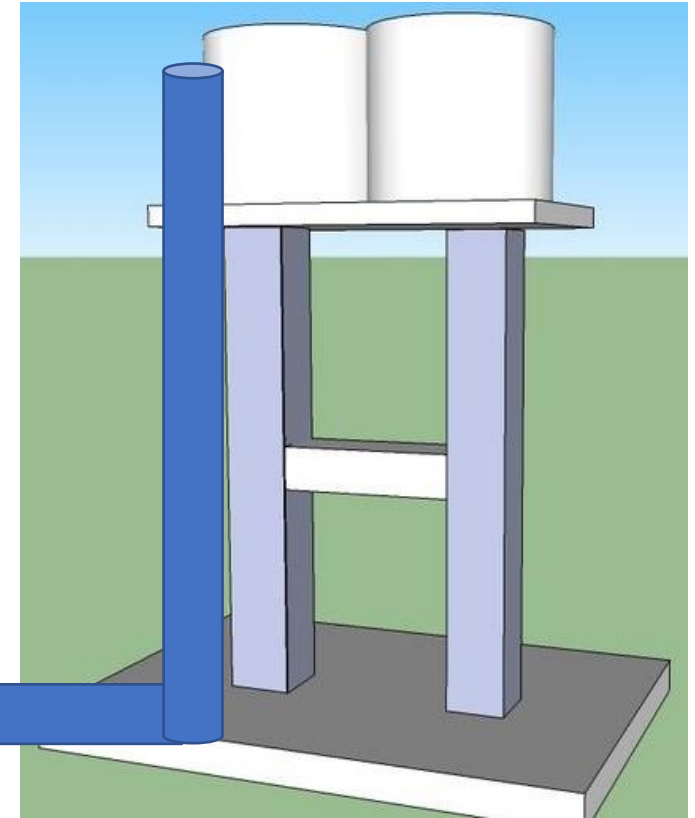
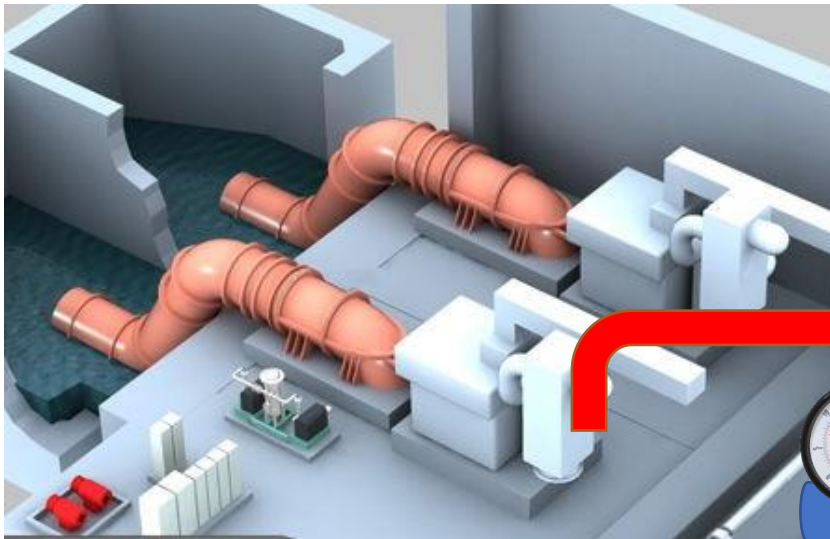
NO.	PART NAME
1.	DUCTILE IRON & EPOXY COATING CONTROL VALVE
2.	SS: 304 SENSING LINE (15mm)
3.	SPECIAL MECHANICAL SENSOR
4.	INLET PIPE
5.	OHT/ESR FEEDING PIPE
6.	90° BEND (L.R. ELBOW)

NO - OVERFLOW™ TANK OVERFLOW PREVENTION SYSTEM.	
OWNER:	ALPINE FLOW TECH
NAME:	NO - OVERFLOW™
DATE:	30.10.2019
SCALE:	N.T.S.

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पंप किए गए पाइपलाइनों के लिए, विशेष फ्लोट वाल्व को एक दबाव स्विच के साथ एकीकृत किया जा सकता है। एक बार जब टैंक का जल स्तर निशान तक पहुंच जाता है, तो दबाव स्विच बिजली की आपूर्ति बंद कर देगा।

SFV में हाइड्रोलिक शॉक को रोकने के लिए धीमी गति से बंद करने के लिए गति नियंत्रण तंत्र है

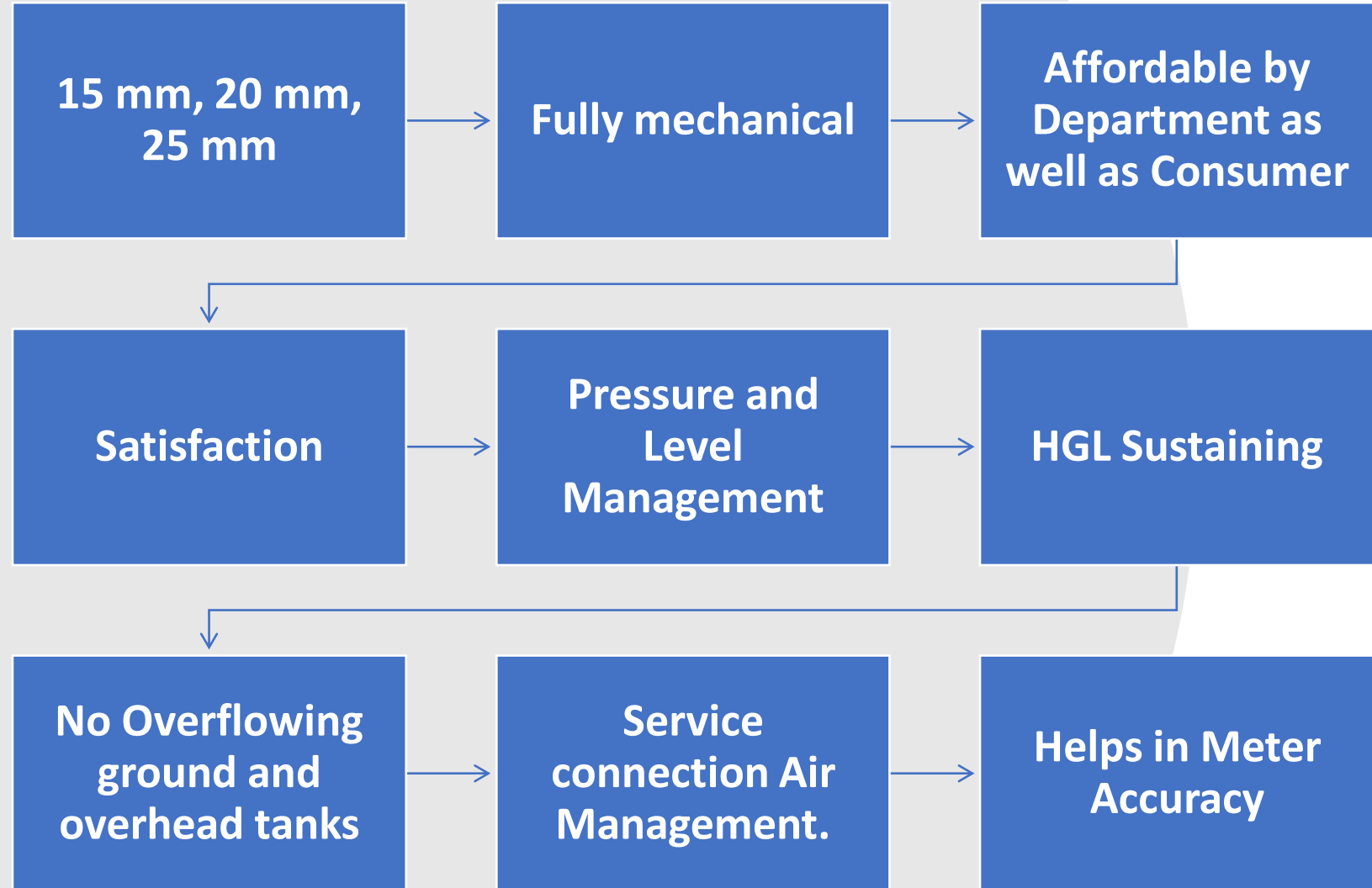


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॥ अविस्त जल प्रदाय ॥

SERVICE CONNECTIONS VALVES - COST EFFECTIVE



Direct Acting Service Connection PRV & Air Vent Valve for Meters. With inbuilt transparent Filter and Ball Valve for Flushing



**Direct Acting Service
Connection PRV &
Air Vent Valve for
Meters. With inbuilt
transparent Filter
and Ball Valve for
Flushing**

Introduction to Direct Acting Pressure Reducing Valve with Filter & Cleaning Attachment for House/Commercial Service Connections, Sizes 15 mm to 50 mm.

Application:

Direct Acting Service Connection Pressure Reducing Valves protect **Household Water Installations/Industrial or Commercial Applications** within the range of their specification. By installing a pressure reducing valve, pressurization damage is avoided, and water consumption is reduced. The set pressure is also maintained constant even when there is wide inlet pressure fluctuation. Reduction of the operating pressure and maintaining it at a constant level minimizes flow noise in the installation. The PRV is Direct acting, Balanced seat design, Diaphragm operated with built in filter. This filter reduces nuisance of sending technician/plumber to clean the filter. The PRV is a multi-benefit all-rounder in addition it is also best suited for tough & remote locations like hilly areas, remote houses, bungalows.

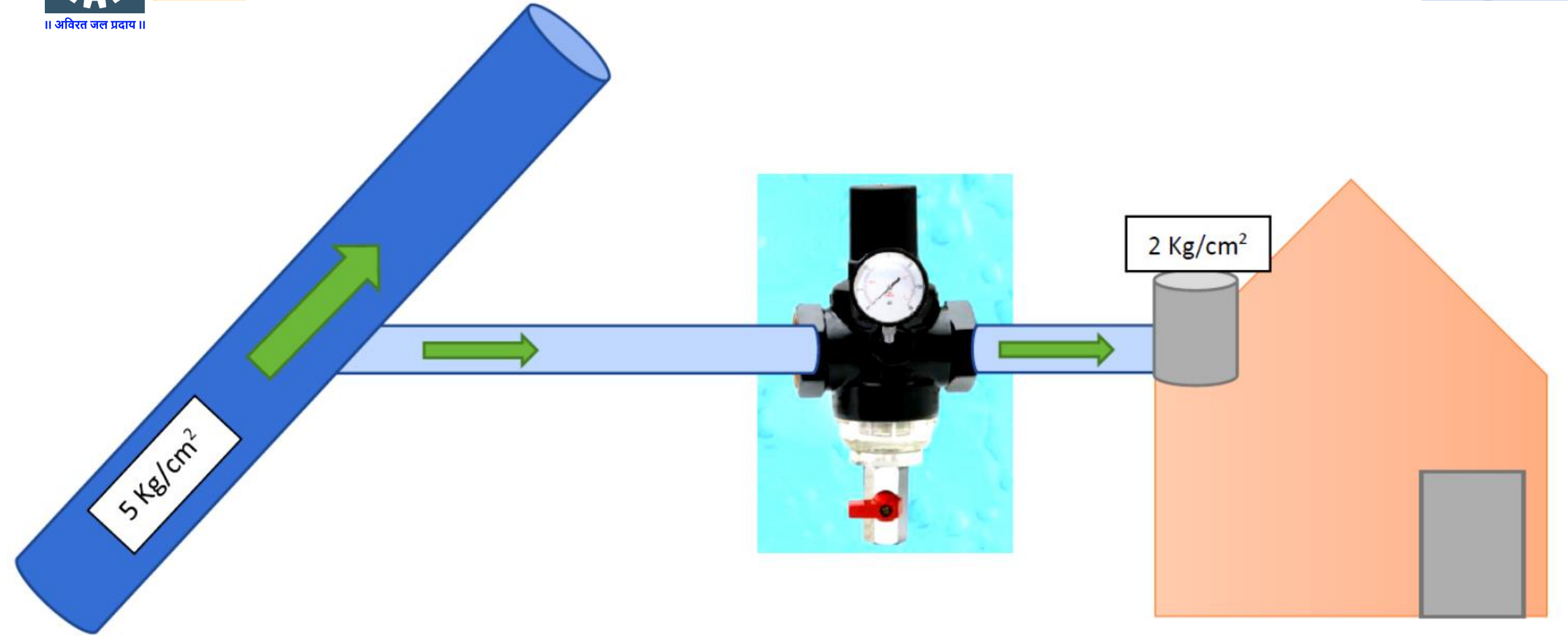


॥ अविस्त जल प्रदाय ॥





॥ अविरोध जल प्रदाय ॥





॥ अविरोत जल प्रदाय ॥

Service Connection Float Valve for UG and OHT

Cheapest & Best Float Valve for House Connections

- No Overflow
- No Loss of Storage
- No Loss of Flow Rate
- Easy to Clean & Service
- Long Service Life
- Easy to Install
- Light Weight
- Fully Mechanical
- No external additional connections

The Vari - flot is the new-age technology for float valves for fluid level control in tanks.

- No Ball float with long rods.
- No wastage of space in the tank for mechanism.
- Valve shut-off supply automatically once water level reaches about 40mm to 50mm from base.
- Sturdy and compact with no external moving parts.
- Easy to install. Hand tighten to pipe.

2 YEARS WARRANTY



Ideal for...

- Loft tanks
- Overhead tank
- Aquarium
- Fountain
- Swimming pools
- Holding tanks...

Technical Info.:

Size : 1/2"
Connection : Female screwed end BSP.
Dimension : Width - 70mm
Height - 125mm
Body material : Nylon
Operating press.: 0.6 kg/cm² to 6 kg/cm²



SPECIAL FLOAT VALVE FOR HOUSE/COMMERCIAL ESTABLISHMENT

Loft Tanks	Swimming Pool	Overhead Tanks
Irrigation System	Underground Tank	Livestock tanks
Ponds	Fountains	Aquarium

A new generation tank level controller.

It is the most compact float valve which automatically turns off the water supply once the tank is filled up. The unique diaphragm of the Float uses the water pressure itself to stop the water flow in the tank.

As the water level in tank reaches to a certain level (of about 30-50 mm) above base of the Float) the float inside rises, activates the diaphragm, and shuts off the water supply completely.

Special Float Valve V/S Conventional Ball Float Valve

Alpine Flowtech - alpineflowtech@gmail.com. Mumbai - Hyderabad



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SFV v/s Ball Float Valve

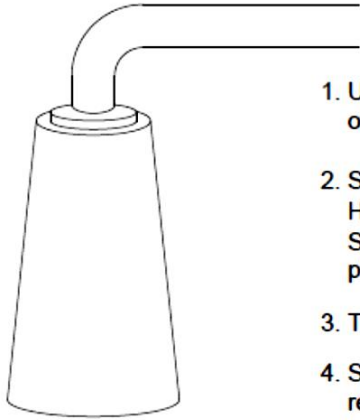
Tank Capacity

Advantages of SFV over Ball Float Valve:

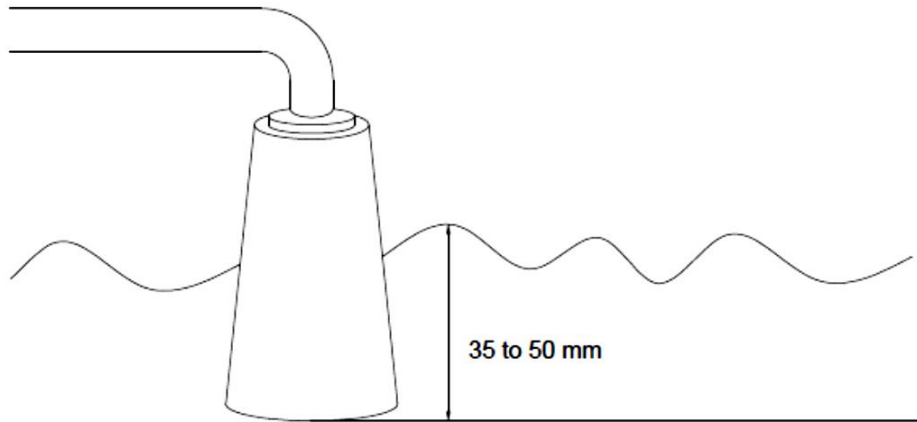
1. SFV has compact design with no external moving parts versus bulky design of Ball Float Valve. Hence SFV is not affected by turbulence of water. Whereas in Ball Float Valve the lever breaks due to turbulence in water.
2. Water can filled till higher level in SFV as it is mounted from top and not from side. Whereas in Ball Float Valve need more space in top to accommodate the Ball Float Valve which means lesser utilization of tank space. Thus SFV helps increase tank capacity.
3. Better life in SFV due to the cartridge-style design with no external moving lever / parts.
4. SFV installations are faster. Can be fitted in seconds. Also Ball Float Valve requires extra fittings for installation. But SFV needs NO EXTRA FITTINGS and hence cheaper to install.
5. SFV the flow rate is constant & Ball Float Valve the flow rate varies as the lever moves up.

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Installing the Special Float Valve (SFV)-1/3.



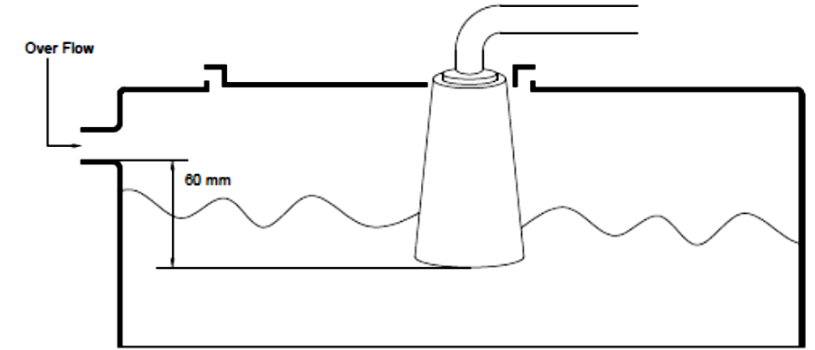
1. Use plumbers teflon tape on the threads of pipe. **DO NOT USE PIPE COMPOUND.**
2. Screw the SFV on the pipe thread. Hand tighten only. Ensure it is mounted stably. SFV will not work if it is not secured properly in its place.
3. Turn supply on and allow water to fill in.
4. SFV will shut off when water level will reach 35-55 mm (depending upon pressure) above its base level.
Note: There will be a short delay in shut-off for the first time.



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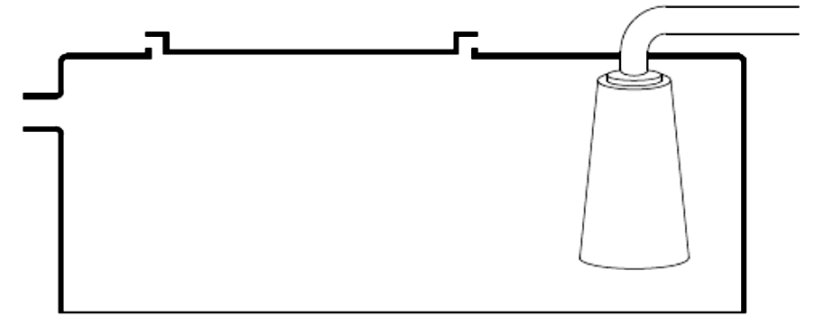


Installing the Special Float Valve (SFV)-2/3.



5. Can be installed only on vertical pipe.

6. In case of tanks where overflow pipe is given ensure that base of SFV is about 60 mm below the overflow pipe level. So that water level never reaches over flow level. Where water is turbulent like in swimming pool it can.



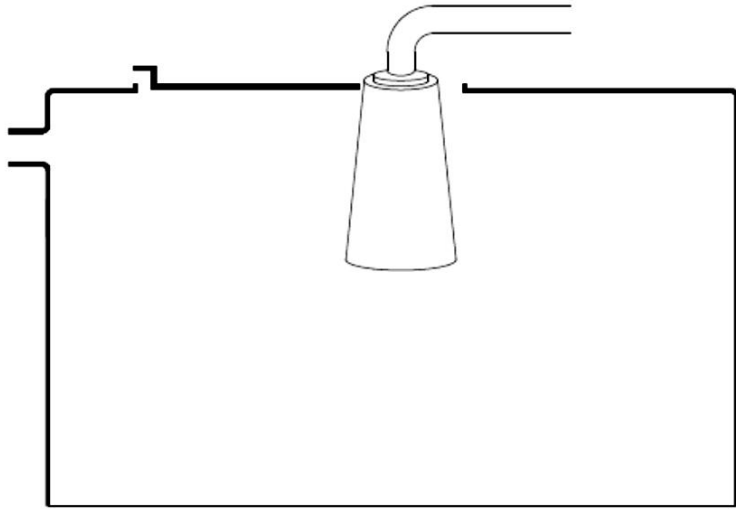
For installation in loft tanks

Cut a hole in lid of tank matching the diameter of SFV.

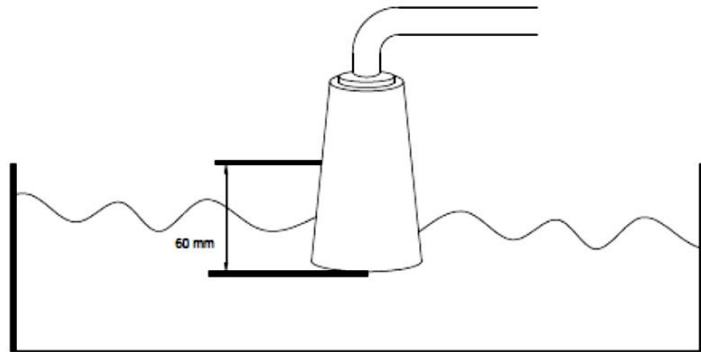
Screw the SFV on the pipe thread. Ensure that the base of SFV is about 60 mm below the overflow pipe(max tank level) as in previous sketch
OR

Pass the pipe in to the tank preferably near the lid. Screw in the SFV on to pipe thread.

Installing the Special Float Valve (SFV)-3/3.



OR
Install the SFV in the space of the lid. And cut out an arc on the lid of the tank so that it fits around the SFV.

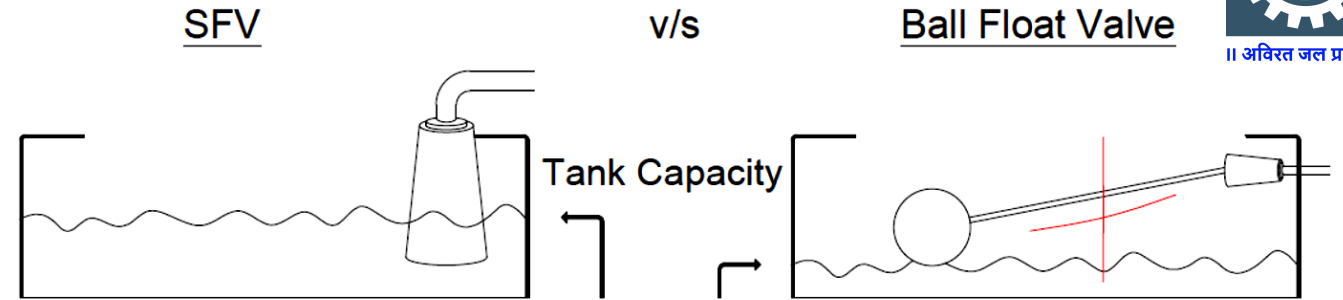


For installation in open tank/Pools

Installation SFV directly on top of tank. Ensure that base of float is about 60 mm below the top level of tank.



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Advantages of SFV over Ball Float Valve:

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For More Insight:

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