



अविरत जल प्रदाय

Alpine Flowtech

Control Valves, Sewage Air Valves, Controllers, Pressure, Flow, Level & Leakage Management.

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SPECIAL FLOAT VALVE FOR HOUSE/COMMERCIAL ESTABLISHMENT TANKS WITH SERVICE MANUAL

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.

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

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.

Ideal for:

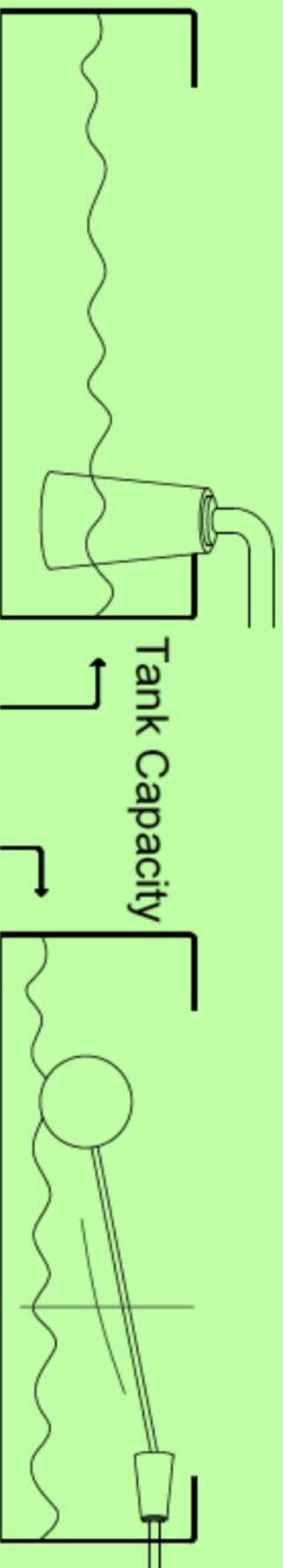
Loft Tanks	Swimming Pool	Overhead Tanks
Irrigation System	Underground Tank	Livestock tanks
Ponds	Fountains and others...	Aquarium



SFV

v/s

Ball Float Valve



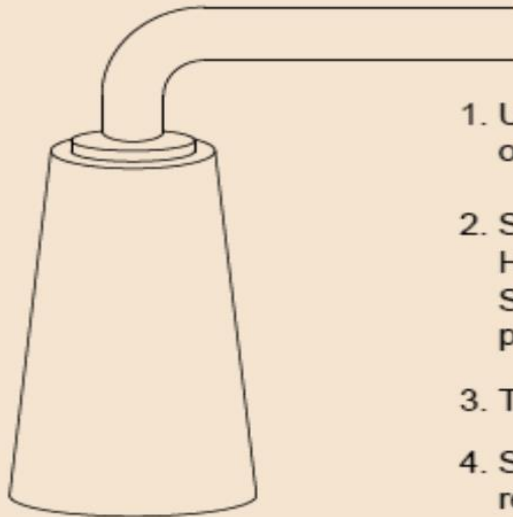
Advantages of SFV over Ball Float Valve:

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.

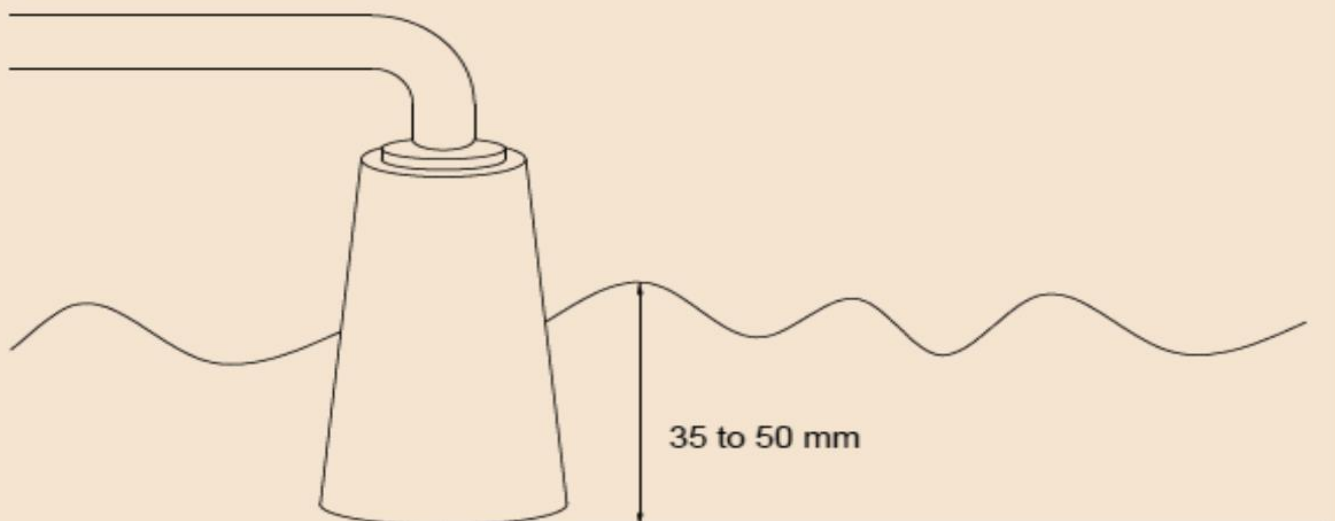
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Installing the Special Float Valve (SFV)-1/3.

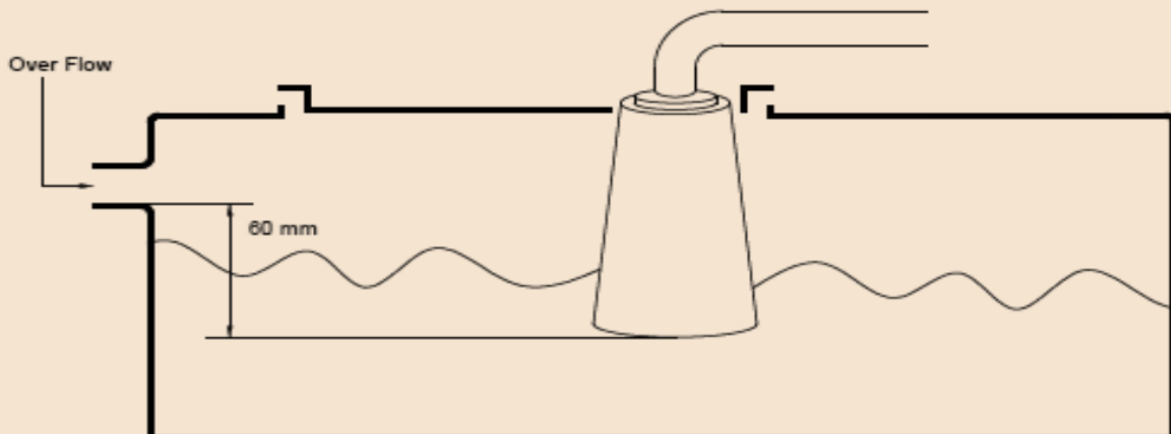


1. Use plumbers teflon tape on the threads of pipe. DO NOT USE PIPE COMPOUND.
2. Screw the SFV on the pipe thread. Hand tighten only. Ensure it is mounted stably. SFV will not work if it is not secured properly in its place.
3. Turn supply on and allow water to fill in.
4. SFV will shut off when water 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.

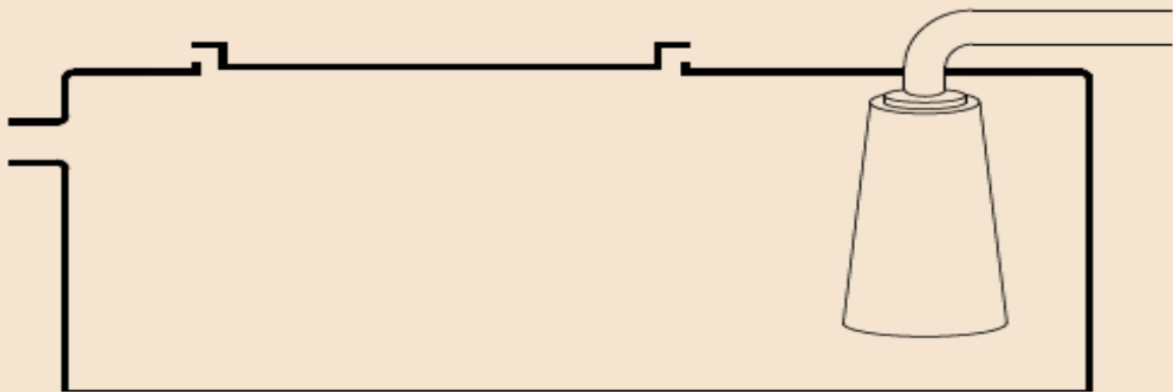




Installing the Special Float Valve (SFV)-2/3.



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.

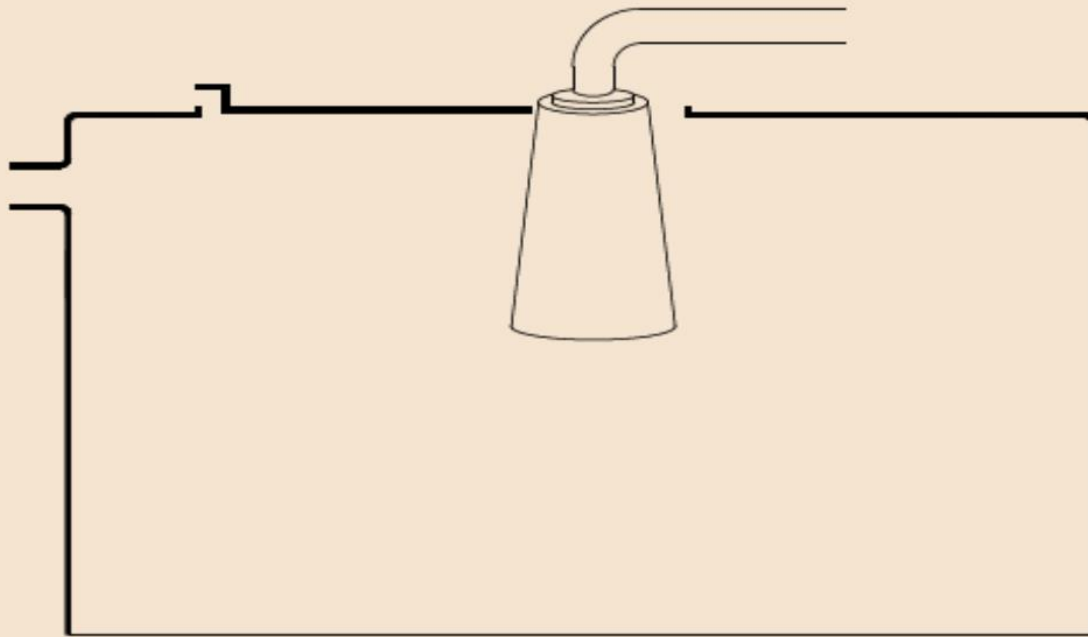


For installation in loft tanks

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.

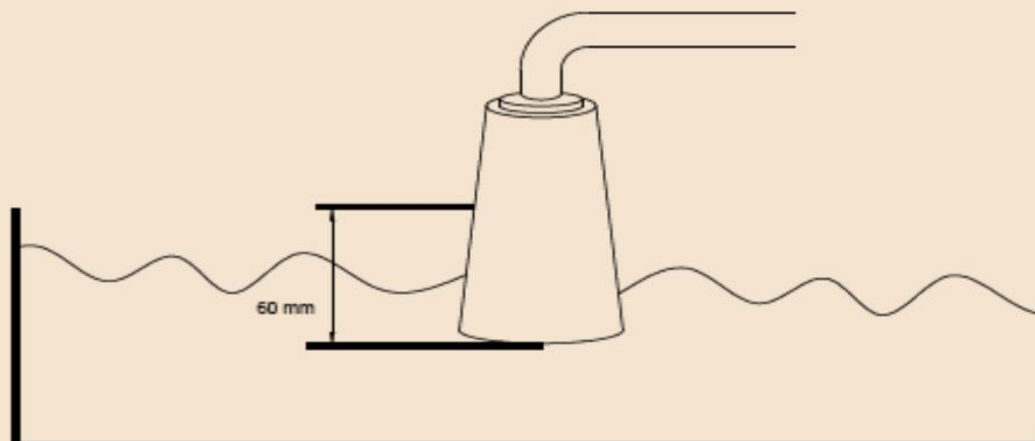


Installing the Special Float Valve (SFV)-3/3.



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.

Servicing Procedure for the Special Float Valve Method A



A. How to check & clean Hole of 'Stem'?

- Remove cap from body by turning it anti clock wise.



- Pull out the sleeve which is loosely fitted above diaphragm.



- Pull out the Diaphragm - stem - stem cover assembly.



Servicing Procedure for the Special Float Valve

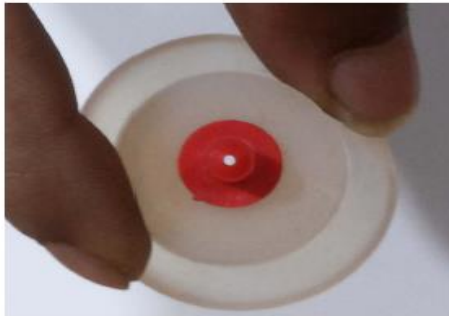
Method A



- Pull out the stem cover from stem, which is slightly press fitted.



- To check the hole through the stem hold the Diaphragm - stem assembly against light.



- If hole is obstructed with dirt etc. flush in running tap water or if needed use a small pin needle, or the ends of a paper 'U' clip taking care that the hole is not enlarged, as it may affect functioning.



Or



- After checking/cleaning the parts same can be refitted in reverse order.

Servicing Procedure for the Special Float Valve

Method B



B. How to check and Clean the hole through the insert pin of the body?

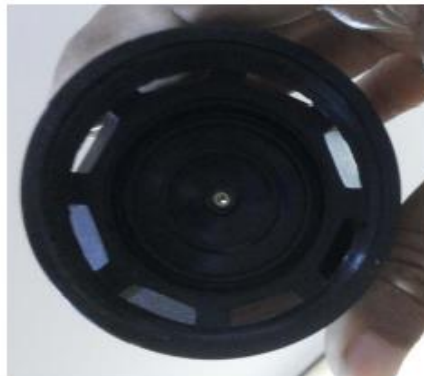
- Hold the Body upside down and push out the stopper using thumb or screw driver.



-Turn the body upright so that the float will fall out (as it is loosely held inside the body by the stopper).



- Hold the body against light to see the hole through the insert pin.



Servicing Procedure for the Special Float Valve

Method B



- Check if same is free and clear.
- If hole is obstructed with dirt etc. flush it out using running tap water or if needed use a small pin, needle or the ends of a paper 'U' clip taking care that the hole is not enlarged as it may affect functioning of the Float.
- After checking / cleaning the parts same can be refitted in reverse order.
- Insert the float into the body. Rotate it so that the slot on Float is aligned with hole in the body where stopper has to be fitted.



- Press fit the stopper into the hole.



Thank You.

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