



# Alpine Flowtech

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

Unit No. 1, B Wing, Swarajya Complex, Rajlaxmi Compound, Opp. Bewakoof Textile Factory Outlet, Kasheli,

Kalher, Tal. Bhiwandi, Dist. Thane Pin 421302. Contact: 8850001856/9867025324/8978558585.

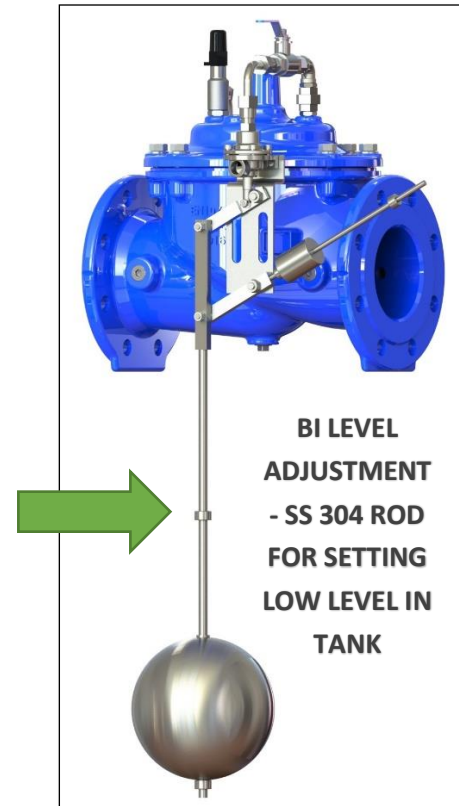
Email: alpineflowtech@gmail.com. GSTIN - 27ABOFA0019J1ZI

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## Alpine/AFC Ductile Iron, FLOAT Valves

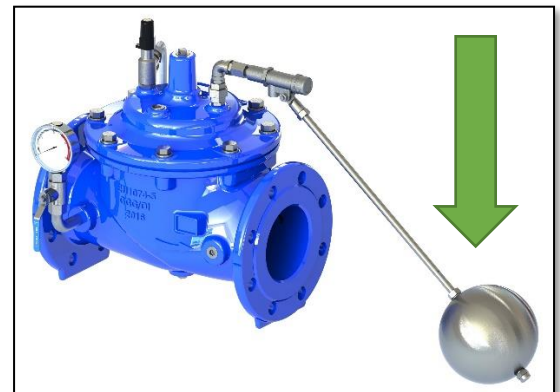
### BI-LEVEL FLOAT VALVE FOR DIFFERENTIAL CONTROL

Alpine/AFC brand, Ductile Iron, Straight Body, Double Flanged, Pilot operated, Automatic Float Control Valve (Hydraulic design). When water level reaches FSL mark, the float pilot will shut and close the main valve. Whenever the water level drops, the float pilot will open, and main valve will start filling the tank. The Valve has an **ADJUSTABLE DIFFERENTIAL LEVEL CONTROL**, so we can set the LOW WATER LEVEL at which the valve should re-open to feed the tank. The valve can be upgraded to SCADA & PLC based modifications at a later date. **The valves shall be suitable for PN 16 Pressure Rating. The Flange Drilling standard shall be ISO 7005 - PN 16.**



### BALL TYPE FLOAT VALVE

Alpine/AFC brand, Ductile Iron, Straight Body, Double Flanged, Pilot operated, Automatic BALL Float Control Valve (Hydraulic design). When water level reaches FSL mark, the float pilot will shut and close the main valve. Whenever the water level drops, the float pilot will open, and main valve will start filling the tank. The valve can be upgraded to SCADA & PLC based modifications at a later date. The valve comes in STEMLESS DESIGN as well upto sizes 200 mm for SMALL TANKS. **The valves shall be suitable for PN 16 Pressure Rating. The Flange Drilling standard shall be ISO 7005 - PN 16.**



Ball Float

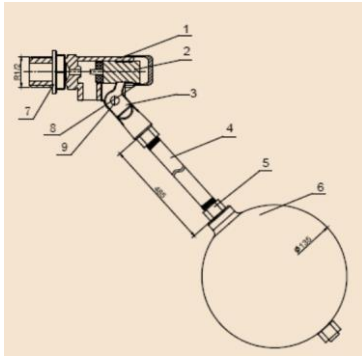


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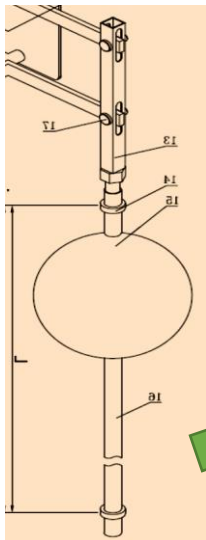
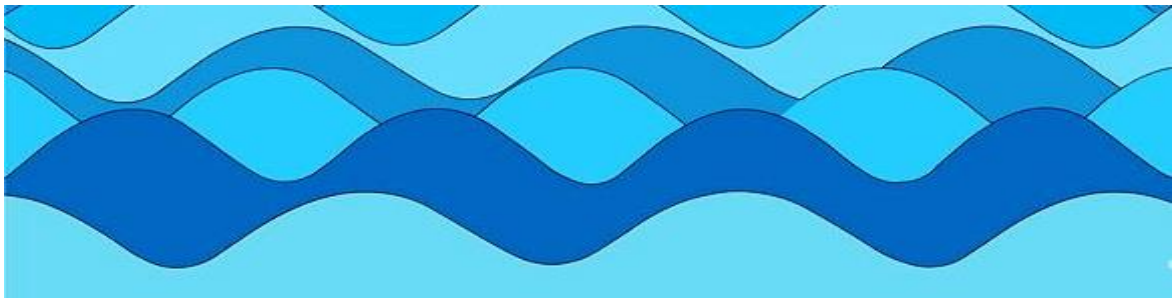
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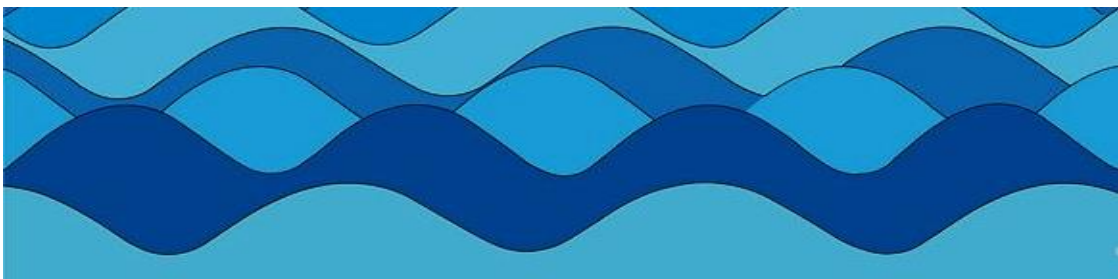
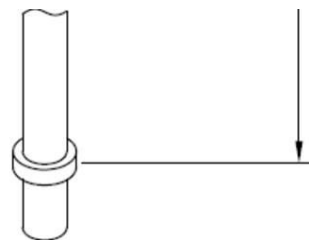
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## ON-OFF FLOAT



## ADJUSTABLE WATER DROP LEVEL





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## ADVANTAGES:

- ✓ No overflow
- ✓ Easy to install & Maintain & Fully Mechanical
- ✓ Optimization of reservoir capacity.
- ✓ Speed Control to close the valve – to prevent water hammer.
- ✓ Minimum head loss
- ✓ Differential level control for DMA management and tail end service delivery (Bi-Level)
- ✓ Energy saving of electro-mechanical equipments
- ✓ Equitable distribution of water and balancing of reservoirs.

## MATERIALS OF CONSTRUCTION:

1. Body, Bonnet, Disc Holder, Diaphragm upper plate in DI Grade GJS/SGI 500/7/GGG 50
2. Double guided Shaft/Stem in AISI SS 304/optional in SS 316 for balanced stroke and control
3. Body seat and retainer in AISI SS 304/optional in SS 316
4. High performance Long Service Life Diaphragm in reinforced nylon fabric EPDM/NBR-food grade WRAS approved.
5. Resilient seat and O rings in EPDM/NBR
6. Spring – AISI SS 304/optional in SS 316
7. Bushing in Brass – CZ 122
8. Hex Bolt, Washer, Nut in A2 AISI SS:304, corrosion resistant.
9. Tubings, Plugs and connecting fittings in rigid AISI SS 304
10. Extra tapping plugs for SCADA modifications and adding other features/pressure gauge.
11. Strainer, Needle Valves for speed control, Ball Valves for isolation in AISI SS 304.
12. Bi-Level Pilot and Ball Float Assembly MoC SS 304.
13. Fusion bonded epoxy coating with a minimum 250-micron coating. WRAS approved.
14. PN 10, 16, 25 pressure rating and flange drilling options.
15. Optional Accessories: Air Vent Valve, Emergency Valve opening barrel with ball valve, Latching solenoid and battery-operated timer, On-Off 9vDC battery switch system. Flow Limiting pilot and Kit. SS 304/316 cavitation arrangement.
16. Direct Membrane sealing Valve option also available upto 150 mm for optimizing the cost of Rural Water Supply Projects.



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## Applications:

- Elevated Reservoir (ESR, OHT),
- Ground Level Reservoir,
- Master Balancing Reservoir,
- High Rise Residential and Commercial Buildings Water and Fire Tanks

## ADD-ON Features:

- The valve can be serviced in line
- The Valve Can be integrated with Pressure Switch to shut the pump on High Level.
- Tight shut off
- Globe design for superior linear characteristics.
- Sizes available 50 mm to 800 mm
- Temperature rating – 10 Deg.C to 80 Deg.C
- Meets standard BS EN 1074-5, ISO 5208, BS EN 12266-1, BS EN 558-1, BS EN 1092-2.

## Pressure Switch Based Pump Control

