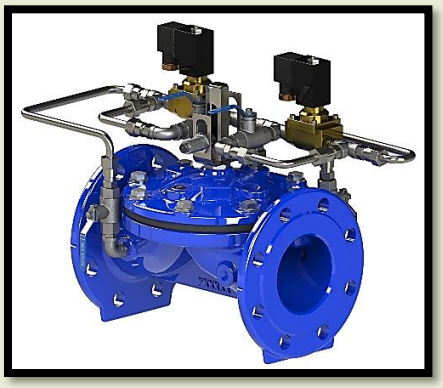
Alpine Flowtech

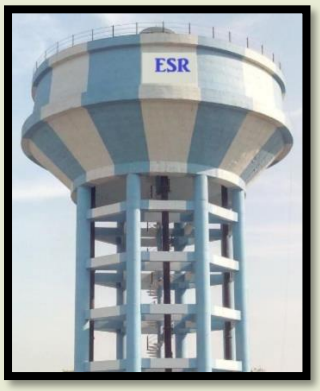
Control Valves, Sewage Air Valves, Controllers, Pressure, Flow, Level & Leakage Management.

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

DOUBLE SOLENOID AUTOMATIC FLOW CONTROL SMART VALVE (SCADA)/SUITABLE FOR TANK INLET/BRANCH/DMA INLET ETC.





Alpine/AFC brand, Ductile Iron, Straight Body, Double Flanged, Hydraulically operated, Double Solenoid, SMART Automatic Control Valve. The valve does multi functions upon a signal from the various instruments to the PLC (SCADA) and from PLC/RTU to the valve. The valve can control flow rate into feeder/tank/branch and function to modulate pressure or can shut upon high reservoir level and open at low water level. The valve is multipurpose and SCADA compatible. The seat ring, stem, springs all are corrosion resistant SS grade. This valve can easily be called as an ALLROUNDER.

FUNCTIONS:

- Flow rate modulation with linear characteristics
- Maintaining a constant flow rate into system
- Maintaining required demand in a zone
- Pressure management, reduction, relief, modulation, sustaining etc.
- High level or predetermined level shut off and opening at low/predetermined level
- Burst control and shut-off
- Surge relief and anticipation
- Simple on-off upon a command from local or remote signal.

INSTRUMENTATION SUPPORT NEEDED:

- Flow transmitter
- Level transmitter
- Pressure transmitter
- Differential pressure transmitter
- PLC/RTU, GPRS, Power Supply

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

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 & 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. High performance 24vDC solenoids in SS/Brass/Bronze.
9. Hex Bolt, Washer, Nut in A2 AISI SS:304, corrosion resistant.
10. Tubings, By-pass override, Plugs and connecting fittings in rigid AISI SS 304
11. Extra tapping plugs for SCADA modifications and adding other features/pressure gauge.
12. Strainer, Needle Valves for speed control, Ball Valves for isolation in AISI 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.
16. Direct Membrane sealing Valve option also available upto 150 mm for optimizing the cost of Rural Water Supply Projects.

ADD-ON Features:

- → The valve can be serviced in line
- → The valve has By-pass loops over solenoids for manual actuation during emergency.
- → 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.

The valve's performance is linked to technically appropriate and correct input data on Flow rate, Reference Levels of tanks, inlet pipe size, available HGL, residual head requirements, inlet pressure etc. These inputs are vital for sizing these valves for performance, head loss considerations and cost optimization. It is expected from the buyer to provide a real time information of all the proposed locations for proper engineering and performance of the system.