



# 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.

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## PRESSURE REDUCING VALVE & PRESSURE SUSTAINING VALVE



Alpine/AFC brand, Ductile Iron, Straight Body, Double Flanged, Hydraulically Pilot operated, Pressure Reducing Valve. The valve reduces the higher upstream pressure and maintains the set downstream pressure as per the pilot setting irrespective of fluctuations in pressure and flow within the differential limits. The pilot is available in various spring options for very low pressure set points to high pressure set points. A very special advantage of our valves is that, they can be modified for SCADA based operation at any future point of time. The pressure sustaining functions available as an option, helps in sustaining a set upstream pressure for a critical user like a hospital, critical feeder line, main line, critical zone. The seat ring, stem, springs all are corrosion resistant SS grade.

### Advantages:

- ✓ Pressure management
- ✓ DMA management and NRW reduction and helps in containing water loss due to excess pressure
- ✓ Pipeline Burst Control
- ✓ Equitable distribution of water
- ✓ Becomes a through and through valve during Peak Factor upon inlet pressure getting lower than the outlet pressure. This is by combining special arrangements to vent the bonnet water into atmosphere.
- ✓ 24 x 7 Water supply management and tail end efficient service delivery of water.
- ✓ Energy saving of the electro-mechanical equipment
- ✓ Tapping management of Branch, Feeder
- ✓ Pressure sustaining of the main pipeline or HGL sustaining.
- ✓ Balancing of the Reservoirs
- ✓ Distribution efficiency from the Elevated reservoirs

❖ Mumbai | Hyderabad | Ahmedabad

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## 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 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. Pressure Reducing Pilot MoC SS 304.
13. Pressure Sustaining Pilot MoC SS 304 (Optional add on pilot for sustaining the upstream pressure)
14. Fusion bonded epoxy coating with a minimum 250-micron coating. WRAS approved.
15. PN 10, 16, 25 pressure rating and flange drilling options.
16. 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.
17. 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
- 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.