



॥ अविस्त जल प्रदाय ॥

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.
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ALPINE DCV-24 VALVE WITH SOLENOID ACTUATOR - 24 vDC FOR SMALL & RURAL WATER TREATMENT PLANTS (WTP)



**Can be
Installed
For**

Intake-Filter Beds-Aeration-Washout-
Overflow-Sludge Drain-CW Storage.
SCADA-PLC Interphase. 4-20 mA
Controlling for Level, Flow,
Pressure.

**No Need
Of**

- 3 Phase Actuators, Gear Box, Head Stock, Extended Rods, Anchor Brackets, Universal Couplings, Complicated Panels, Fasteners Etc.



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Advantages

- ❖ SIMPLE & WELL ENGINEERED DESIGN. HYDRAULICALLY OPERATED.
- ❖ 24 VDC LOW COST IP 68 ACTUATORS. SCADA/PLC/RTU INTERPHASE
- ❖ EASY TO OPERATE AND IN-LINE SERVICE. MINIMUM SPARE PARTS
- ❖ BETTER FLOW CHARACTERISTICS (FLOW COEFFICIENT).
- ❖ VERY LOW HEAD LOSS AS THE VALVE OPENS FULLY
- ❖ CONTROLLING APPLICATION AND POSITIONING POSSIBLE
- ❖ TIME BOUND CAPEX RECOVERY
- ❖ OPTIMIZATION OF 24 vDC SOLAR POWER SOURCE
- ❖ OPERATOR FRIENDLY. MANUAL OVERRIDE TO OVERCOME EMERGENCIES
- ❖ DUCTILE IRON FOOD GRADE WRAS APPROVED EPOXY COATED BODY AND EPDM DIAPHRAGM LONG LIFE CONSTRUCTION
- ❖ SS 304/316 SPRING
- ❖ EXTERNAL FASTENERS SS 304. TUBING & FITTINGS IN SS 304.
- ❖ SUBMERGENCE RESISTANT

Conventional System V/s. DCV - 24

- | | |
|---|---|
| <ul style="list-style-type: none">○ 3 Phase Power Requirement○ Poor Head Stock Anchoring○ Congested Cable laying & Ducting○ Congested Walkway○ Threat of live wires○ Difficulty operating by hand in the event of malfunction / power issue.○ Lot of open Space requirement – Cost of real estate○ Complicated Layouts and difficulty in operating for semi-skilled operators.○ Complicated Rotary Actuators mechanism with multiple connections hub for Limit, Torque, Overload, Thermostat etc.○ Confusing Actuator Specifications | <ul style="list-style-type: none">○ 24 vDC○ Head Stock NOT Required○ Only 2 cables Each Valve Needed○ Free Walkway for Movement○ Low Voltage Wires 24 vDC○ Can be operated easily with manual override ball valve○ Less Space. The entire Civil Layout can be modified.○ Easy operation even for a lay man. Simple on-off mechanism like a switch○ Latching/Energizing and De energizing the Solenoids. No Torque needed. Fully Hydraulic Valve. No Limit Switch needed. Valve will either be On-Off.○ Simple to Operate and Maintain. |
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