



# Alpine Flowtech

Pressure, Flow, Level & Leakage Management, Automation, Analysis, Hydraulic Modelling, Control Valves, House Service Connections, Sewere & Outfall Solutions, UV-C Disinfection.

Unit No. 1, B Wing, Swarajya Complex, Rajlaxmi Compound, Opp. Bewakoof Textile Factory Outlet, Kasheli, Kalher, Tal. Bhiwandi, Dist. Thane Pin 421302. Contact: 9867025324/8978558585.

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

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## Introduction

### Alpine Flowtech Products & Services

Respected Patron,

**Alpine Flowtech** is a company of professionals working in the field of Water Management for the last 30 years ++. We have a **Vision, Dedication** and **Passion** to **Innovate, Suggest, Solve & Provide Equipments** and **Technologies** to Serve the Water & Wastewater Industry, Manage the precious Water Resources and Alert the Utilities for a Speedy Pro-Action.

Our Activities can be classified into the following headings:

#### A) Technical & Web Based Services:

Sr	Head	Description
1	<b>ESR Management &amp; FCV Sizing for (Old and New) Reservoirs.</b>  <b>Rural Tank Level Management</b>	Study of existing feeding patters, Levels, Pressure, Flow and Optimizing the Intake and Offtake of water. Reference Level & Residual Head/HGL based flow control solutions. Automation transition from a mechanical system. We optimize the FCV selection based on the study to economize the project cost.  <b>Rural Tank Level Management:</b> We also provide a very economical, sustainable, and fully mechanical based Level control System with a patented 15 mm float sensor and a Direct membrane Control Valve.
2	<b>Web Based Sewer Network Monitoring</b>	GPS based Sewer Chamber Flow monitoring and Threshold Breach communication to Central command center. Parallel feedback to Jetting Vehicles by mobile SMS with GPS location of the problem spot.
3	<b>Surge Analysis</b>	Collecting Pumping and Pipeline design data and doing a Transient modelling and suggesting various solutions including Valves, Air Vessels, and location. This is to mitigate the water hammer phenomenon.



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4	<b>Hydraulic Model and Drone assisted GPS Mapping</b>	We have consultants who are into 24 x 7 Water Supply Modelling and transition support. The GPS based mapping by Drone is an added feature for an accurate Hydraulic model.
5	<b>Logic Creation &amp; Architecture for PLC's</b>	We assist in understanding the various issues relating to Flow, Leakages, Levels, Water network pressures etc. and provide PLC based logics to command and control various instruments & valves for efficient Water Management including leakage reporting, pipe burst alerts, sustaining HGL and saving energy costs.
6	<b>Energy Monitoring</b>	We provide technical assistance as well as equipments for Energy Monitoring of various electro-mechanical devises used in Pump Houses, WTP, STP, WTP, ESR etc.
7	<b>UV-C Disinfection</b>	UV-C disinfection system for Tanks and Water Storage Reservoirs. UV-C Oven
8	<b>Condition Assessment of old Valves, Actuators and Gates</b>	In WTP, ETP, STP, Pump House, other Control installations. We give reports as well as suggestions.
9	<b>Outfall Management</b>	Back Flow prevention from High Tides, Nallahs, Open Drain into Sewer and Storm Water Networks with Rubber Check Valves.
10	<b>Air Management</b>	We provide sensor and data logger-based Air management service to report the water hammer and pressure at the critical high points where Air and Vacuum Breaker valves are installed.

## B) Products:

Sr	Head	Description	Brands
1	<b>PLC, RTU, Controllers, Energy Monitoring.</b>	For ESR and WTP instrumentation, Valves, and other control-based applications in Water Industry. Energy Monitoring	ABB, Schneider, Concord, Suyash, Toro, Graphite, Edison, and other brands as approved, Etc.
2	<b>Hydraulically Operated Control Valves. Solenoid Valves. Direct Acting PRV</b>	FCV, PRV, Altitude, Surge Anticipating, Direct Seating Stemless Diaphragm Valves, ISO design Control valves	AFC/Alpine, U-Flow, VVPL, Patcon and other brands as approved in tender.



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3	<b>Instrumentation</b>	Level Transmitter, Flow Transmitter, Pressure Transmitter	Various branded available in the market on case to case basis like Electronet, Adept, Siemens, E&H
4	<b>House Service Connections valves, 15, 20, 25 mm</b>	Direct Acting PRV, Flow Limiting Ferrule, Patented 15 mm Vertical Float Valve, Transparent Strainer with cleaning valve. Air Vent with transparent body.	VVPL
5	<b>Air Vessels with Receiver</b>	Capacities from 5 cum to 150 cum	Ken-Tech
6	<b>Panels for Valve Hydraulically Operated Control valves</b>	Pump Control Valve, Surge valve, Timer based operations, Actuator starters. On-Off switches.	Edison, Graphite, and our indigenously designed.

We request you to give us an opportunity to serve you with our Solutions and Products. The whole idea is to Innovate and Succeed in our Water and Wastewater Management Efforts.

Please feel free to contact us, we will be glad in assisting you.

Thanking You,

**Yours Faithfully,  
For Alpine Flowtech**

**Mayannk  
9324515987**



# Alpine Flowtech

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

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## PRODUCTS CATERED BY ALPINE FLOWTECH

**HYDRAULICALLY OPERATED DUCTILE IRON CONTROL VALVES 50 MM TO 900 MM.**

**PN 10, 16, 25**



Pressure Reducing Valve



Pressure Relief + Sustaining



Flow Limiting



Dual Solenoid for SCADA



Altitude Valve – Tank Level



Surge Anticipating Valve



DCV 24 – WTP operation  
Stemless Direct Seat Solenoid  
Actuated On-Off Valve



Pressure Management Valve (PLC)



Pump Control Valve (Panel)



Flow Limiting with Solenoid



5 In One Valve



Flow Limiting + Altitude



PRV + Altitude



PRV + Flow Limiting



PRV + Flow Limiting + Solenoid



Multi Time Setting PRV



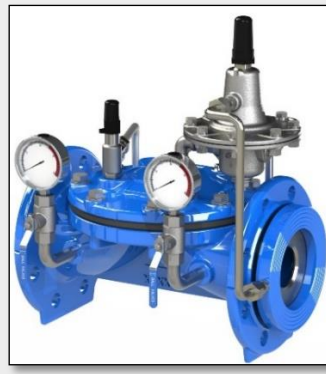
Surge Relief + Solenoid



Stemless Direct Seat PRV



Stemless Direct Seat Relief Valve



Stemless Direct Seat Flow Limiting Valve



Stemless Direct Seat Altitude Valve



Ball Float Valve



Valve On-Off Programmer



Latching Solenoid for Main Valve On-Off by 9 Vdc Battery



# PUMPING SYSTEM - SPECIALIZED VALVES

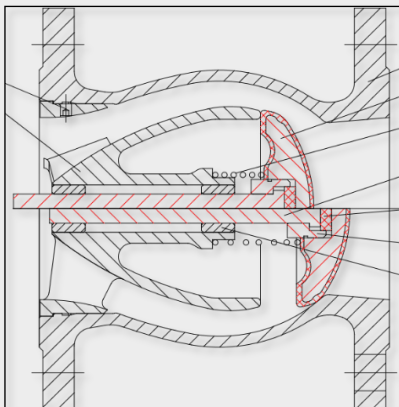
## SEWAGE AIR RELEASE & VACUUM BREAKER VALVE



### Technical Information.

- ✚ Large air release during filling of the pipeline.
- ✚ Small air venting under pressurized pipeline.
- ✚ Large air intake during draining of the pipeline.
- ✚ Manufacturing standard meets BS EN 1074-4, AWWA C512.
- ✚ Flange drilling and dimension meets BS EN 1092 and ANSI flange.
- ✚ Service Fields: For sewage water system.
- ✚ Size range: DN 50-200 MM
- ✚ Pressure ratings: PN 10, PN 16.
- ✚ Working temperature: -10°-80°C.

## NOZZLE (NON-SLAM) CHECK VALVE



### Technical Information.

Valve disc with a shorter return stroke and spring assisted closure, ensures a faster pro-action than most of the other check valves. Hydrodynamic design with spring ensures non slamming and mitigation of water hammer.

#### Service Fields:

Mainly used for Clean Water, Pre-cleaned Sewage Water, Firefighting, Irrigation, Cooling and HVAC System.

#### Technical Data:

- ✚ Size Range: DN 50 - 1200 mm
- ✚ Pressure Ratings: PN 10, 16, 25
- ✚ Working Temperature: -10°C-80°C
- ✚ End Connections: PN10, PN16, PN25.
- ✚ Installation can be vertical/horizontal/ inclined
- ✚ The valve complies with EN 558-1, ISO 5752 and EN 1092-2



# HOUSE SERVICE CONNECTION (HSC) SPECIALIZED VALVES

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

for 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/cm<sup>2</sup> to 6 kg/cm<sup>2</sup>

**2 YEARS WARRANTY**

## Direct Acting Pressure Reducing Valve with Filter & Cleaning Attachment for House/Commercial Service Connections, Sizes 15 mm to 50 mm.

**Direct Acting Service Connection Pressure Reducing Valves** protect **Household Water Installations/Industrial or Commercial Applications** within the range of their specification. By installing a pressure reducing valve, pressurization damage is avoided, and water consumption is reduced. The set pressure is also maintained constant even when there is wide inlet pressure fluctuation. Reduction of the operating pressure and maintaining it at a constant level minimizes flow noise in the installation. The PRV is Direct acting, Balanced seat design, Diaphragm operated with built in filter. This filter reduces nuisance of sending technician/plumber to clean the filter. The PRV is a multi-benefit all-rounder in addition it is also best suited for tough & remote locations like hilly areas, remote houses, bungalows.

**Equitable Distribution of Water, 24 x 7 Water Supply Management and Tail End Efficient Service Delivery of Water.**

