



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.

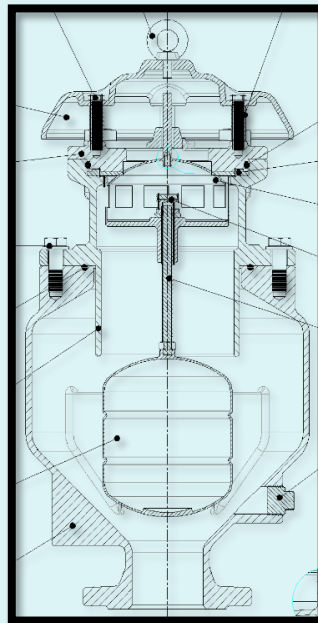
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SKAR-Sewage Combination Air Release Valve

Alpine/AFC Brand is a technically thought after and sound solution to the **Air Management** of the **Sewage Pumping and Transmission system**. The valve is installed at the header or at critical high points. The valve is **Tamper Proof and Triple function**. All wetted trims are in **SS 316**. The valve helps in mitigating the hammer as well as minimizing leakages due to ruptured pipelines and joints. It is highly recommended to install an isolation valve for maintenance purpose. The valve performs all the Three essential functions.

- ✓ Large air release during filling of the pipeline.
- ✓ Small air venting under pressurized pipeline.
- ✓ Large air intake during draining of the pipeline.



Technical Information.

- ✚ 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.

Features & Advantages

- ❖ Advanced design with simple mechanism, strong float to prevent cracking during sudden water hammer & quick closure. Aero kinetic mechanism to resist blow shut under higher air velocity even up to sonic velocity of air.
- ❖ The valve is tamper proof and works as a triple function air valve.

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- ❖ Special fat body design to lower the sewage water flow speed and let the air out but keep the sewage water underneath. Keeps dirty or corrosive liquid inside the body for safety during operation and thus prevents harm to the humans & surrounding environment.
- ❖ Internal body guide and upper round wall keeps float moving on its rail and keeps the liquid turbulent flow within this area. Much bigger air flow through the nozzle even for viscos media.
- ❖ Outside screen will be an option for safety and to prevent the insects or bird's ingress.
- ❖ Fully fusion epoxy coated valve body inside and outside for long service life.
- ❖ Lifting hook for installation support.
- ❖ Drain plug for jetting and cleaning and removal of sludge.

MATERIALS OF CONSTRUCTION:

Body	Ductile Iron	EN GJS 500-7
Float	Stainless Steel	AISI 316L
Middle Part	Ductile Iron	EN GJS 500-7
O-Ring	Rubber	NBR
Hex Bolt	Stainless Steel	AISI 316
Washer	Stainless Steel	AISI 316
Bonnet	Ductile Iron	EN GJS 500-7
Cover	Ductile Iron	EN GJS 500-7
Washer	Stainless Steel	AISI 316
Hex Bolt	Stainless Steel	AISI 316
Eyebolt	Carbon Steel	AISI 316
Pillar	Aluminium	Suitable Grade
O-Ring	Rubber	NBR
Seat	Rubber	NBR
Sealing Arc	Stainless Steel	AISI 316
Orifice Seat	Rubber	NBR
Stem	Stainless Steel	AISI 316
Plug-Option	Stainless Steel	AISI 316
Small Orifice	Stainless Steel	AISI 316

Basic data required for proposing the Sewage

Pipe diameter	Pipe MOC
Rising main total design flow	Length of the pipeline
Pump Working head and Static head	Rising main Pumping hours

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