



SAUDI PIPE SYSTEMS CO.

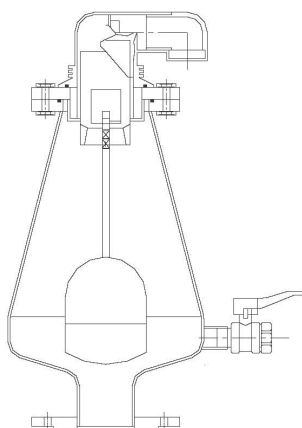
AIR RELEASE VALVE AIF-118 S (For Sewage)



SPS air release valve incorporates a kinetic and an automatic air release valve in one single valve body. Each function in the sewage system is to release air (gases) and to admit air into sewage and waste water lines. The exclusive structure guarantees complete separation of the liquid from the sealing system and provides optimum working conditions.

OPERATION :

During the filling of the line, air pockets (gases) are released at high flow rates through the orifice of the kinetic valve. During the emptying of the line, the valve admits air (gases) at high flow rates into the system. During normal operation, a sewage flows in the line, the kinetic orifice remains closed, as the valve continues to release entrapped air, which accumulates in the line through the automatic nozzle. The valves mechanism prevents the opening of the automatic nozzle upon every slight pressure change in the line, thus guarantying the preservation of an "air-gap" between the sealing system and the contaminated liquid.



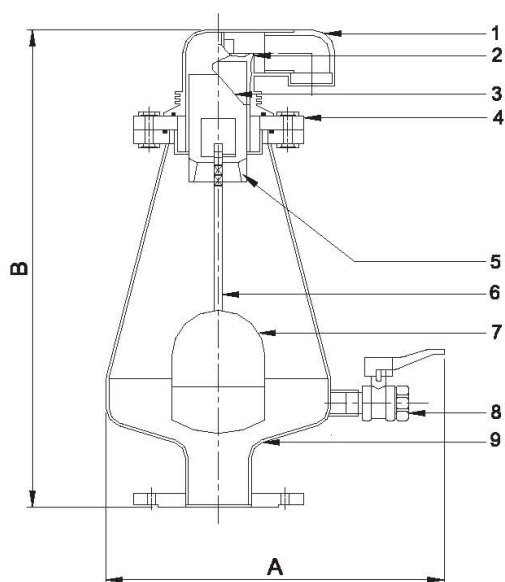
Application	For Sewage water
Working Pressure	Up tp 16 Bars
Working Temperature	Up to 100° C
Coating	Epoxy powder, 200-300 microns

Design Mechanical Data, Dimension , Materials and weight are subject to change without notice



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Components List

No	Parts	Materials
1	Drainage Elbow	Polypropylene
2	Seat Plug assembly	Reinforced Nylon
3	Float	Foamed Polypropylene
4	Cover	Steel DIN ST. 37
5	Stopper	Acetal
6	Stem	St.Steel SAE 316
7	Float	St.Steel SAE 316
8	Ball Valve	Brass ASTM A124 Polypropylene
9	Body	Steel DIN ST. 37

Nominal Size	A	B
3" (80 mm)	422	605
4" (100 mm)	422	605
6" (150 mm)	422	610
8" (200 mm)	422	610

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