



350 Sewage Air Valve

DN80, PFA 8 or 16 (both versions PN16 inlet flange)

The valve is suitable for the bulk release or ingress of air whilst filling or draining the line and the release of trapped air whilst the line is under operating pressure. Fouling of the orifice is eliminated by the use of a large float chamber which confines the liquid within the bottom, therefore preventing any leakage of solids into the atmosphere.



Main features

- Low maintenance requirements. No mechanical levers, the float spindle is direct acting
- The welded steel construction is light weight compared to traditional designs allowing easier handling and maintenance
- Large float chamber capacity ensures sewage level is remote from sealing surfaces at all times and eliminates the possibility of blockage and discharge
- Large orifice provides high flow capacities
- Minimum number of working parts to aid efficiency of operation
- The outlet of the valve is threaded to allow easy fitting of a piped outlet to vent remotely should this be required

Options available

- Inflow non-return valve
– non-return device can be screwed into the valve outlet to prevent the ingress of air
- Controlled relief valve
– by limiting the speed of the air release, the risk of water hammer can be eliminated. This option should be specified at the time of placing the order
- Isolating metal faced gate valve

Technical Features

Technical information

- Maximum operating temperature 60°C
- Minimum operating pressure 0.2 bar

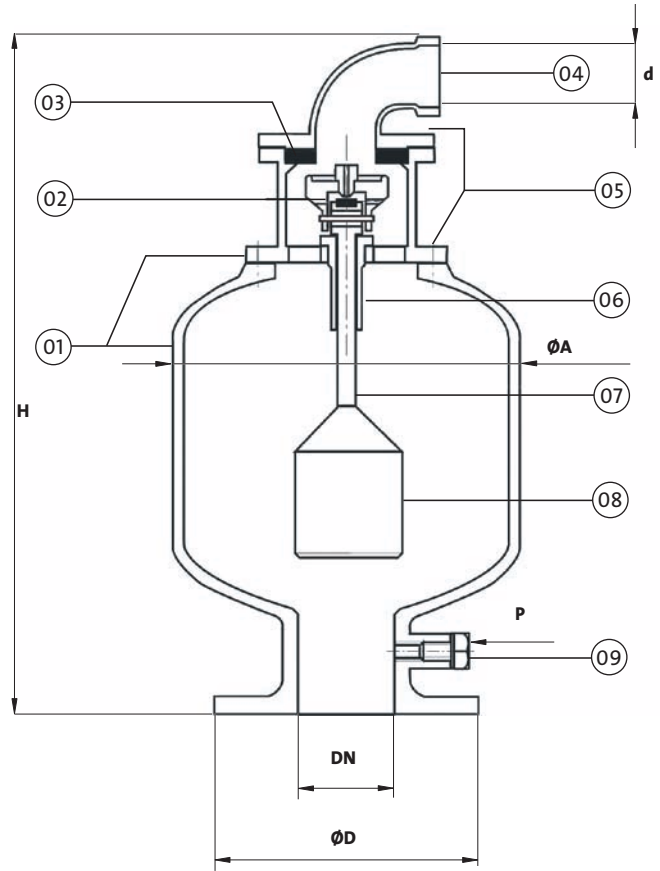
Materials

Item	Description	Material	Coating
01	Body	A40 stainless steel	Epoxy 250 microns
02	Skull	PVC	-
03	Seal	Polyurethane	-
04	Outlet bend	Steel	Epoxy 250 microns
05	Bolts	Stainless steel	-
06	Spindle guide	PVC	-
07	Float spindle	Polyethylene	-
08	Float	Polyethylene	-
09	Plug	Steel	-

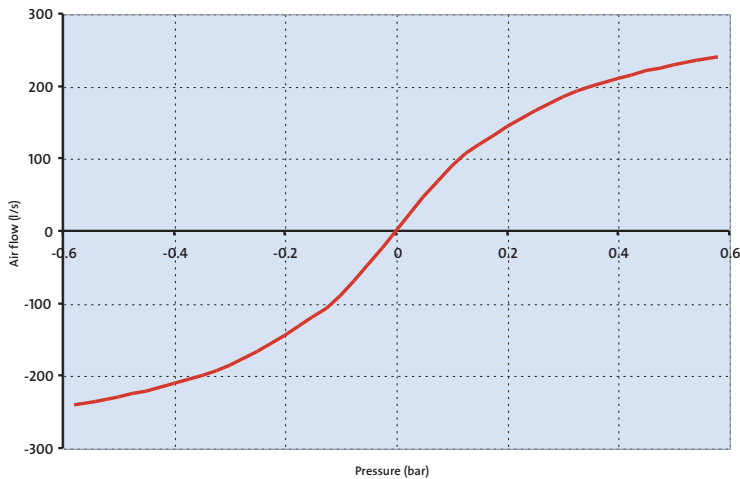
Dimensions and weights

DN	PFA	ØA	H	ØD	d	P	Weight
(maximum working pressure)							
80	8 bar	275	600	200	1 1/2"	3/4"	28
80	16 bar	275	720	200	1 1/2"	3/4"	32

Dimensions in mm. Weight in kg. Flanges in accordance with BS EN 1092-1.

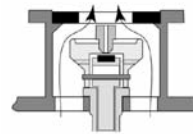


Flow characteristics



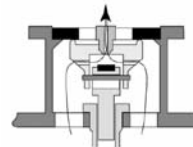
The discharge is as shown both with and without the non-return valve option. The small orifice allows air to escape at a rate of 5m³/h for ΔP ≥ 1bar.

How it works



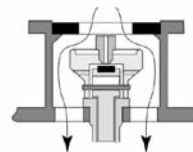
Filling the line

Bulk release of air through the large orifice.



At operating pressure

Small amounts of trapped air are released through the small orifice.



Draining the line

Bulk ingress of air through the large orifice.

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