

Vent valve Type OVV

Vent valves carry air or gases out of pressurised systems or pipelines. During water treatment, targeted amounts of gases such as air, oxygen or ozone are fed in for oxidation processes. Removal of the surplus gases requires a vent valve that works reliably over a long period of time. The float-controlled operational vent valve Type OVV was developed specially for these tasks in water treatment.

The ozone-resistant design makes the valve very versatile.

The operating pressure ranges are 0-2.2 bar, 0-3.5 bar, 0-5.0 bar and 0-7.0 bar.

Properties The valves are made of corrosion-resistant and ozone-resistant materials:

- Titanium sealing cone
- Viton seal (replaceable)
- Stainless steel 304 valve head
- Stainless steel connection block 321 with hose connection
- PVC float
- Plexiglas float guide tube
- Plexiglas housing with EPDM seals
- Stainless steel pull rods and nuts
- Stainless steel 316Ti connecting flange
- Optional:
Version with level sensor



Advantages

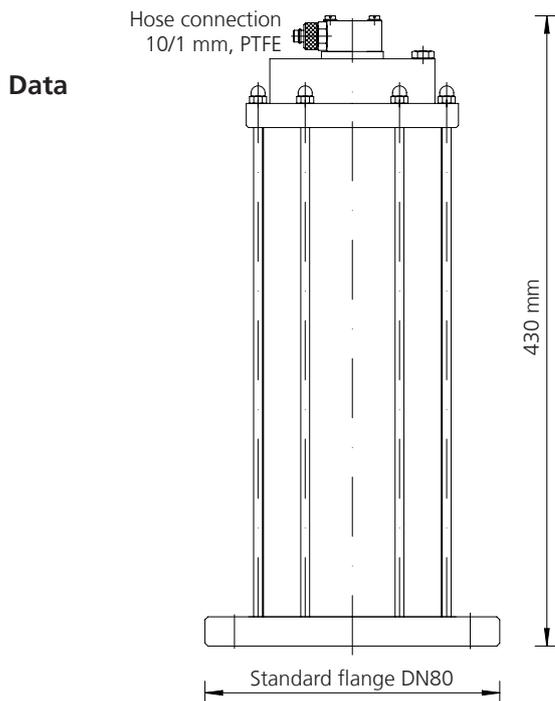
The valves have special protection against dirt due to the great height difference between the max. water level and the valve outlet. They guarantee the greatest possible operational reliability even in water containing floating matter.

The diameter of the valve opening (seal opening) has a direct influence on the maximum permissible operating pressure and the throughput capacity of the valve.

The lines show the throughput capacity (volume flow) as a function of the differential pressure and the connection cross section (valve opening).

Level sensor

The valves can be fitted with a level sensor to perform functional checks. The level sensor (stainless steel sensor) can be connected directly to a commercially available level relay. If the gas outlet is blocked, the water is completely displaced from the valve housing. If the sensor remains dry beyond the set monitoring time, the level relay switches and sends a corresponding message to the external controller. The sensor and the level relay for cabinet installation are optionally available on request.



Important:

The valves are supplied as standard with the seal (opening 5 mm) for the operating pressure range of 0-2.2 bar.

The seal must be replaced if a different pressure range is required (see seal selection table).

The set of seals and instructions are included in the scope of delivery.

If the operating pressure is set incorrectly, the function of the vent valve will be impaired or the valve will be blocked!

Seal selection table

Seal opening [mm]	Operating pressure range [bar]	Seal
∅ 3	0-7.0	supplied in the seal set
∅ 3.5	0-5.0	supplied in the seal set
∅ 4	0-3.5	supplied in the seal set
∅ 5	0-2.2	Factory setting

Housing design PN 10

