



Air valve set
for potable water

About this brochure

The general media specifications in the product descriptions may possibly be limited. Please make sure to inform us in your order and/or inquiry about the medium for which the respective application is intended.

Current information can be obtained via our free newsletter. For registration, please go to www.hawle.de/newsletter

If you have any more questions on our products, don't hesitate to contact our employees from Application Engineering any time.



Products for use in the field of potable water



Products for use in the field of municipal wastewater (acc. to EN 1085:2007)



In general, all products sold by us are subject to the statutory warranty period of 2 years from the day of delivery by Hawle. Due to the high Hawle product quality, we are able to offer you an extended warranty period of 5 years for all products manufactured by us. For more details, please refer to the Internet: www.hawle.de/warranty



For information regarding our "10 Years Quality Guarantee" for Hawle potable water products, please follow the following link: www.hawle.de/garantie



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Air valve set for potable water

The air release valve set (BEG) consists of a shaft with shut off mechanism and an air release valve. Thanks to its compact construction the BEG replaces expensive, maintenance-intensive manholes. All maintenance jobs can be carried out from the ground surface. This consequently avoids the risks incurred when entering manholes. The installation of a seepage hose (order no. 490-04) in conjunction with permeable backfill is recommended.

The air release valve (BEV) with unique diaphragm technology is ideally suited for both the release of large quantities of air when filling and emptying the pipeline and for the ventilation of large quantities of air under operating pressure. The BEV works infinitely variably from 0-16 bar and flawlessly seals even in a depressurized state. No minimum pick-up pressure is necessary. The sealing principle with diaphragm has an anti-surge effect. The high ventilation efficiency also gives the BEV an effective vacuum protection.

The shut-off unit contained in the BEG can be opened and closed from the road surface with the help of a DIN 3223 valve key (order no. 341-00).

Before installation the BEG can be infinitely variably shortened on site up to a max. 100 mm to adjust to altered height ratios. Before installation the BEG can be extended on site by up to 190 mm to adjust to altered height ratios using the extension kit order no. 993-04.



BEG-potable water
Ord.-No.: 993-00

Technical features:

- Manhole pipe: PE-HD pipe / corrosion resistant
- Socket: GJS-400, Hawle epoxy powder coating
- Cover: PE-HD
- Body air valve: stainless steel
- With integrated shut-off device
- Vacuum breaking function

Special functions on request:

- With closing aid for more active closing for large air volumes (e.g., for well pipes between the pump and water preparation, high-level tank or pure water container, well mouth, for venting the pressure line)
- Air release only or air intake only
- Installation in groundwater area
- Installation in high water area with flood protection
- Can be shortened by 100 mm and extended to any length

Technical data

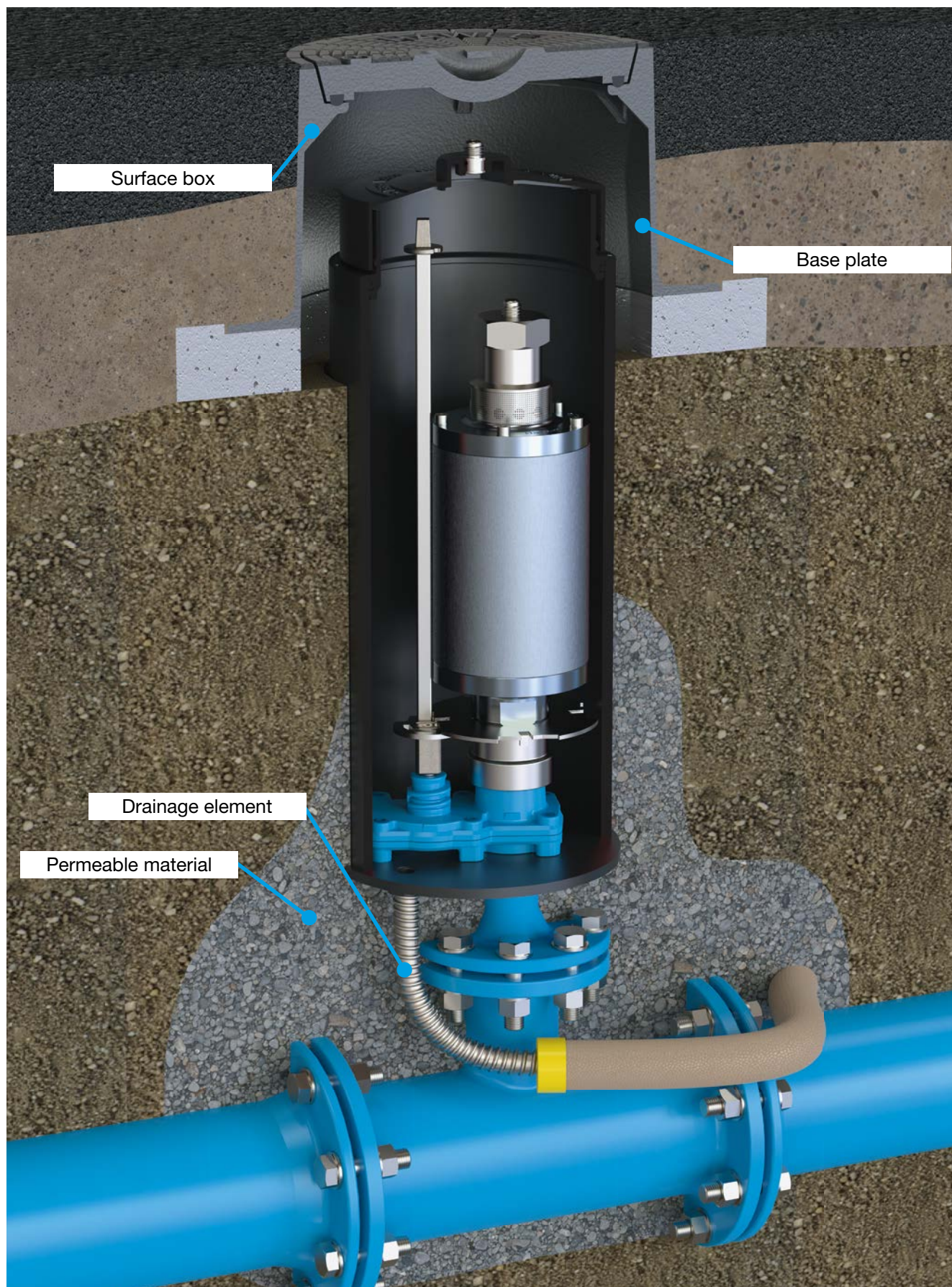
Medium:	potable water
Working range:	PN 16: 0 -16 bar PN 25: 0,2 - 25 bar (in preparation)
Pipe covers:	1,00 m, 1,25 m, 1,50 m, 1,75 m
Max. air release capacity:	PN 16: 700 m ³ /h PN 25: 700 m ³ /h (in preparation)
Max. release cross section:	1.500 mm ²
Cross section of in-service ventilation:	PN 16: max. 200 mm ² PN 25: 3,14 mm ² (in preparation)
Connection variants:	Flange DN 50, flange DN 80, BAIO® spigot DN 80

Design: AVS for potable water

Nr.	Kurzbezeichnung
1	Cover
2	Transition ring
3	Key bar
4	HaVent® to Niro BEG
5	Unlocking safety device
6	Shut-off device
7	Manhole pipe

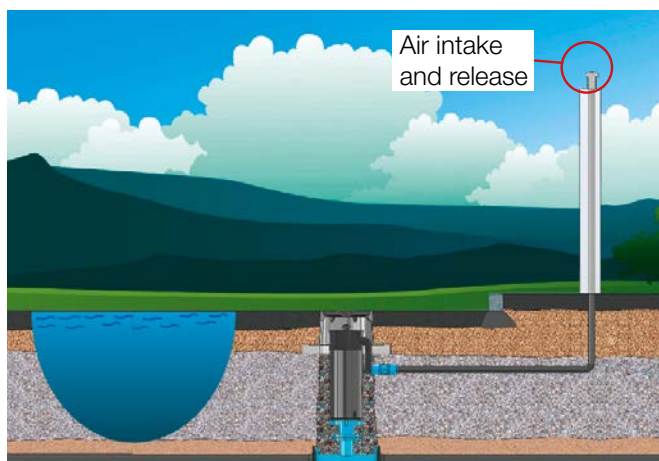
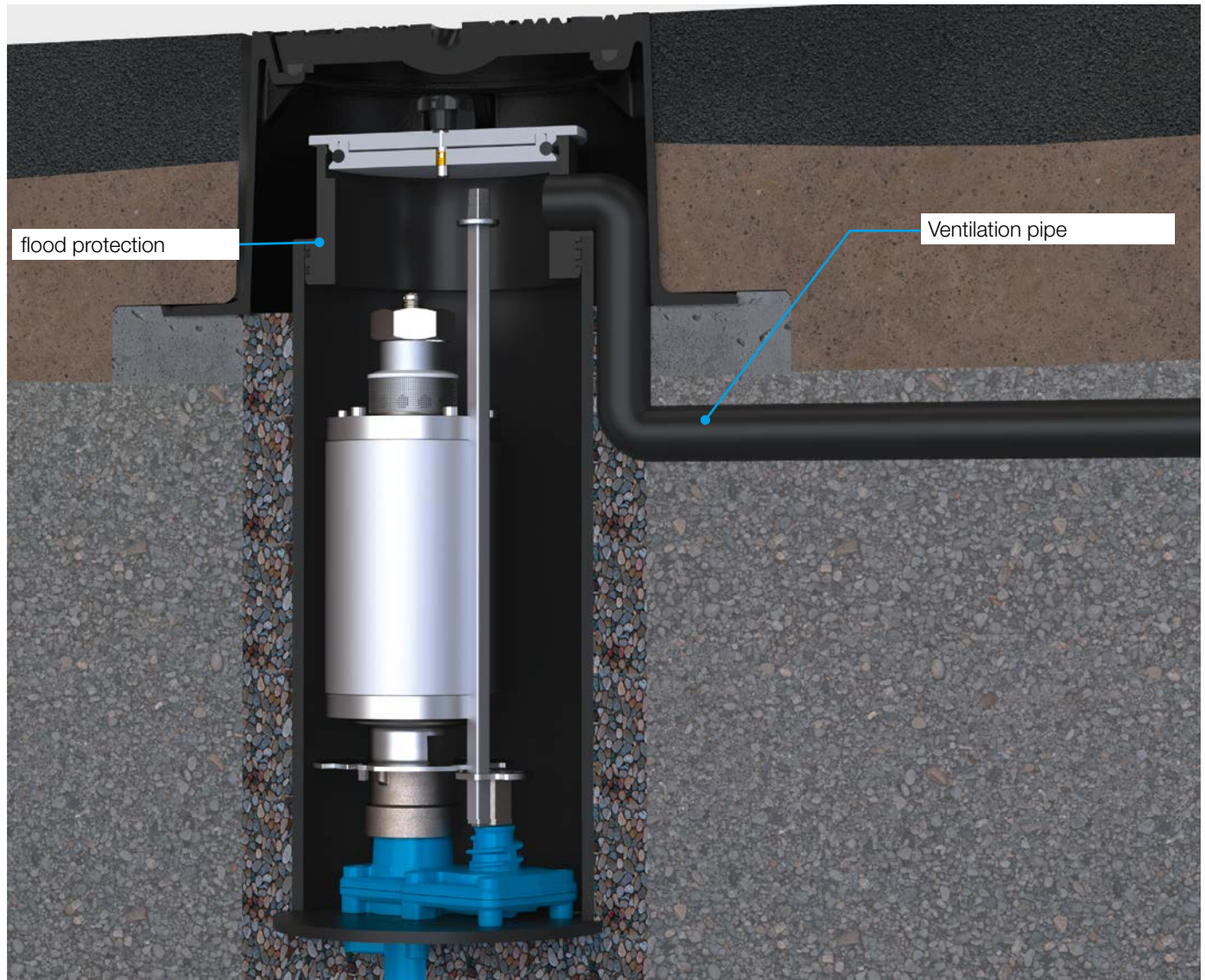


Installation situation of AVS for potable water

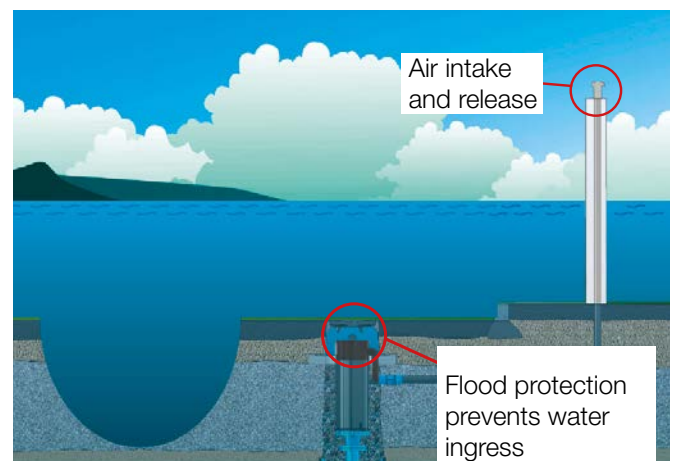


Installation situation of flood protection

If the air valve set is installed in areas susceptible to flooding, flood protection can prevent dirty water from flowing back via the air valve set and subsequently into the drinking water system.

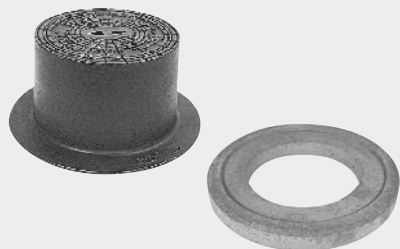


Normal installation situation



Installation situation when flooded

Supplementary products for the air valve set for potable water



211-00 | 204-04
Surface box and base plate



211-04
Surface box for rolling in



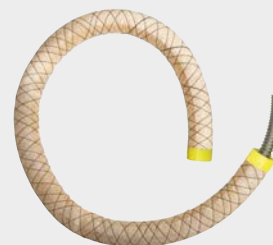
206-02
Surface box for
Flood protection



490-05
Dirt cover and locking ring*
*for BAIO® spigot end DN 80



986-02
Indicator plate



490-04
Seepage hose



993-01
Flooding and flood execution



993-02
Operating key



993-03
Insect protection



993-04
Manhole extension



993-05
Flushing and water tapping set



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