

General information

Back flow preventers

Back flow preventers allow flow in one direction only. If the direction of flow is reversed they close automatically and likewise open when the flow is in the direction allowed.



Check valve
Ord. no. 983-00



Ball check valve
Ord. no. 984-03

Check valve without lever and weight

Check valves serve the purpose of protecting equipment (e.g. pumps).

The check valve opens automatically in case of flow in the direction of the arrow (valve body) and closes automatically in case of a flow against the direction of the arrow.

The check valve is designed for installation in horizontal pipelines. Installation in inclined or vertical pipelines is permitted only if the medium flows from bottom to top. Care shall be taken that the flow direction coincides with the direction of the arrow at the body, and that the rotating axis of the disc is in the horizontal plane.

min. opening pressure 0.03 bar

min. closing pressure 0.5 bar (tightness)

Ball check valve

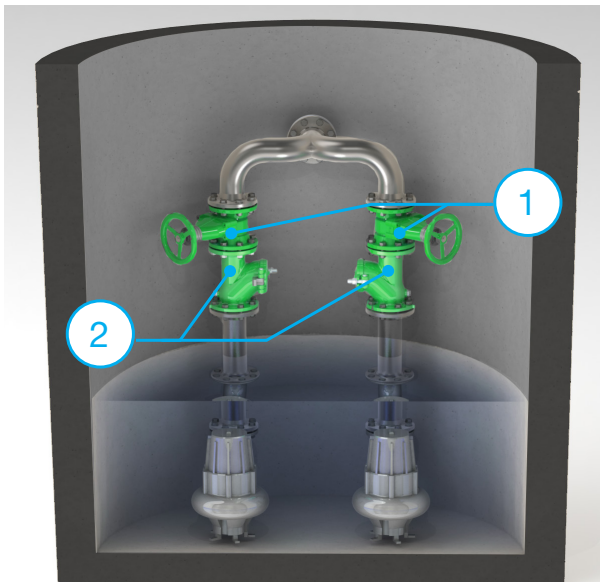
The ball check valve is provided with one loose flange which considerably facilitates the exchange of existing valves. In case of new constructions the manhole can be built smaller, since a dismantling piece is not required.

The hinged cover can be opened and closed easily. Therefore bolts, nuts and washers don't have to be loosened thus preventing their falling into the shaft.

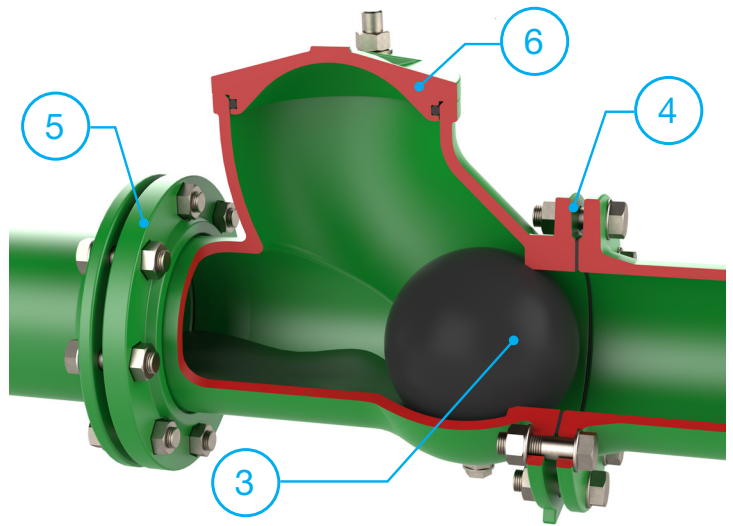
The ball check valve can be installed both horizontally and vertically (recommended application). The arrow on the cast iron housing shows the direction of flow. With horizontal installation the cover of the ball check valve must be at the top. Without pressure discharge the bore on the ball check valve is open. On a vertical installation the ball seals flawlessly even with viscous liquids. The opening pressure is dependent upon the nominal diameter of the ball check valve:

DN 50/IG 2"	DN 80	DN 100	DN 150	DN 200	DN 250	DN 300
0.006 bar	0.015 bar	0.021 bar	0.029 bar	0.037 bar	0.042 bar	0.047 bar

Assembly situation of ball check valve in a chamber



- 1. Sewage water knife gate valve
- 2. Ball check valve



- 3. Ball
- 4. Fixed flange
- 5. Loose flange
- 6. Hinged cover

Cleaning and controlling box

The cleaning and controlling box is used for the maintenance and cleaning of sewage pressure pipes. The free bore of the Hawle flushing fitting allows problem-free flushing of pressure, culvert or tap lines in the sewage area.

