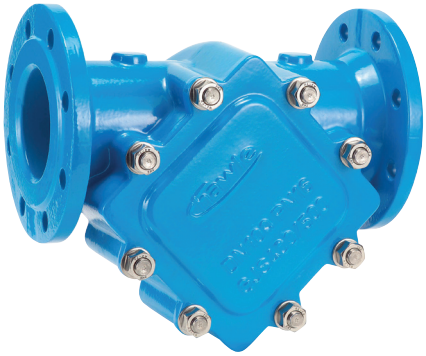
Operating and maintenance instructions for
Strainer, lateral cover
Ord. No. 019-00

1. Intended use / Product description



Medium:	Potable water
Max. operating temperature:	0°-40°
Max. operating pressure:	16 bar
Material:	Body: GJS-400, Hawle epoxy powder coating Strainer element: stainless steel

The strainer protects pipelines and valves against the unwanted intrusion of foreign matter (e.g. wood, stones, drilling chips etc.). Generally, we recommend the installation of a strainer upstream of each control valve, measuring device, or unit to ensure the proper functioning of the control valve.

The strainer consists of a valve body with flange connection, an inside dirt tap screen, and the cover.
The screen inside retains and collects dirt loads carried in the medium of potable water.

Face-to-face dimension:
Standard series 1 acc. to DIN EN 558-1
Flange mating dimensions: acc. to EN 1092-2

Screen mesh size:
DN 50-150: 0.5 x 0.5 mm
DN 200: 0.6 x 0.6 mm

During installation and maintenance operations, the applicable standards and guidelines, accident prevention regulations and the regulations of professional associations are to be observed and complied with.
Installation and maintenance operations may be performed by qualified personnel only.

2. Assembly

Strainers are designed for installation in horizontal pipelines.

Installation in inclined and vertical pipelines is permitted if the flow direction is from top to bottom (observe arrow at the body).

ATTENTION: Seen from the cover view, a flow direction from left to right must be maintained in all installation positions.

For regular maintenance we recommend providing a shut-off valve upstream and downstream of the strainer to be able to establish unpressurized conditions in the strainer.

For revision works (dismantling of the screen), a clearance of at least 30 cm shall be provided at the side of the cover!

Flange connection:
During the assembly of the strainer in the pipe, the corresponding DVGW-regulations for the establishing of a flange connection are given.

ATTENTION - DN65: Both flange faces with 3 through holes and a threaded bore.
Maximum tightening torque: 100 Nm.

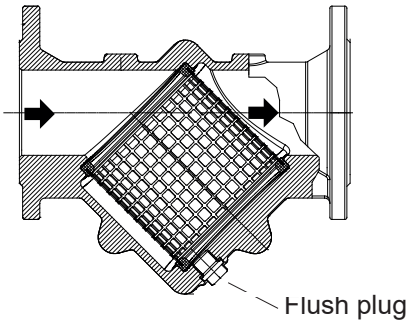
3. Maintenance

Accordance with DVGW regulations. a pressure test must be carried out in accordance with DVGW regulations. For the pressure test or commissioning, the strainer is filled slowly (through a throttled slide valve).

4. Commissioning/Pressure test

Strainers must be cleaned at regular intervals.
We recommend that cleaning is always carried out in conjunction with maintenance work, e.g. on control valves. Regular maintenance or cleaning of the strainer screen ensures a constant, low pressure loss in the strainer.

Collected, loose dirt (e.g. tapping chips, sand) can be flushed out by opening the flushing plug as required. Solids (e.g. larger stones, pieces of wood) can only be removed by opening the strainer cover.



After opening the strainer cover, also remove the strainer sieve and check it for dirt and damage.
The strainer can be reused after cleaning with a stainless steel brush. In case of mechanical damage (e.g. by solids or after pressure shocks) or stubborn contamination, the strainer must be replaced.

ATTENTION: The lid seal must be replaced every time it is opened!

4.1 Spare Parts

Cover seal, lateral DN50 Ord.No. 019 000 1053 DN65-80 Ord.No. 019 000 1083 DN100 Ord.No. 019 000 1103 DN150 Ord.No. 019 000 1153 DN200 Ord.No. 019 000 1203	Strainer incl. gaskets DN50 Ord.No. 019 000 2054 DN65-80 Ord.No. 019 000 2084 DN100 Ord.No. 019 000 2104 DN150 Ord.No. 019 000 2154 DN200 Ord.No. 019 000 2204

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