

1. Intended use / product description:

Medium:

potable water

Max. operating pressure:

16 bar (special version PN25)

Material:

Body: GJL-250, Hawle epoxy powder epoxy coated

Strainer element: stainless steel

Screws: stainless steel

The strainer protects pipelines and valves against the undesired penetration 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, and unit to ensure the proper functioning of the control valve.

The strainer consists of a Y-shaped valve body with flange connection, a screen corpus inside, and a cover. The screen inside retains and collects any dirt load contained in the 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 40-150: 0.5 x 0.5 mm

DN 200-400: 0.6 x 0.6 mm

For installation, assembly, and maintenance, the applicable standards and regulations as well as the trade associations' provisions for the prevention of accidents shall be observed and complied with.

Installation, assembly and maintenance should be performed by skilled personnel only.

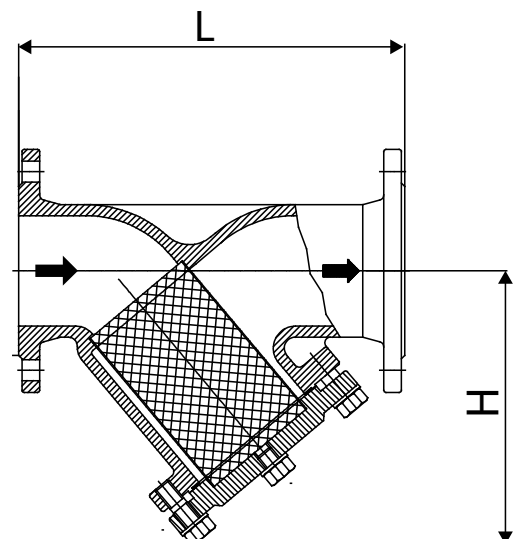
2. Installation

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 the arrow at the body).

To be able to perform maintenance at regular intervals we recommend the installation of an isolation valve upstream and downstream of the strainer to ensure that it is unpressurized.

Please note: For overhaul works (dismantling of the screen) sufficient working space of 2 x H (see table) shall be provided for below the strainer from the pipe axis to the upper edge of the manhole bottom!

Ord.Nr.	DN	PN	H
019 000 4010	40	10/16	150 mm
019 000 5010	50	10/16	160 mm
019 000 6510	65	10/16	180 mm
019 000 8010	80	10/16	215 mm
019 001 0010	100	10/16	238 mm
019 001 2510	125	10/16	280 mm
019 001 5010	150	10/16	320 mm
019 002 0010	200	10	405 mm
019 002 0020	200	16	405 mm
019 002 5010	250	10	540 mm
019 002 5020	250	16	540 mm
019 003 0010	300	10	680 mm
019 003 0020	300	16	680 mm



3. Servicing and maintenance

Strainers have to be cleaned at regular intervals.

We recommend that cleaning should generally be combined with maintenance activities, e.g. at control valves.

The regular servicing and/cleaning of the strainer screen ensures a constant and low pressure drop in the strainer. Accumulated loose dirt (e.g. drilling chips, sand) can be flushed out as required by opening the flushing plug. Solids (e.g. larger stones, pieces of wood) can be removed only by opening the strainer cover.

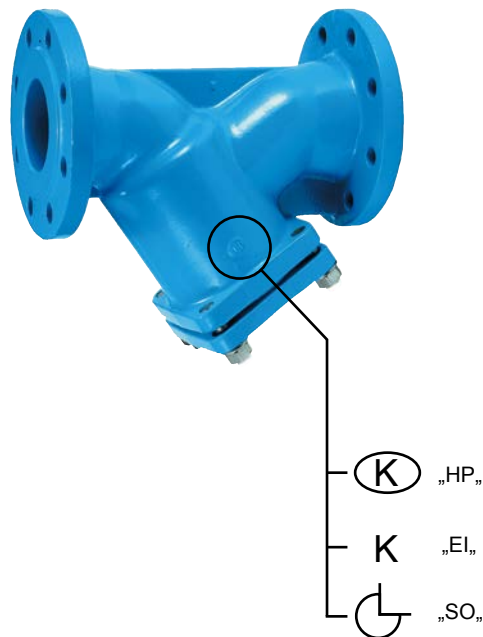
When the strainer cover is opened, the strainer screen should also be taken out and checked for dirt and damage.

The strainer screen can be reused after cleaning it by means of a stainless steel brush. In case of mechanical damage (e.g. caused by solids or pressure hammers) or stubborn dirt the screen should be replaced.

Please note: Always exchange the cover gasket!

To determine the required spare parts (screen and cover gasket) please specify the following information about the Y-shaped strainer:

- Dimension
- Pressure stage
- Symbol acc. to the below illustration



4. Commissioning and pressure-testing

The strainer is tested for leak tightness in the factory before delivery.

After a successful installation, a pressure test as specified in the DVGW regulations has to be performed.

For pressure testing and/or commissioning, the strainer is filled slowly (through the throttled gate valve).

Subsequently, the two flanged connections, the cover, and the flushing plug shall be checked for being tight.

If required, the screws at the connections have to be retightened. The maximum admissible tightening torques (depending on the screws) shall be observed.

If you have any other questions or if you need more information please contact:

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