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INSTALLATION OPERATION AND MAINTENANCE INSTRUCTIONS DIRT STRAINER

Working temperature 0 °C/100 °C

Face to face dimensions conform to DIN3202 F1.

Wire mesh:
DN15–DN50: density 0,8 mm, wire thickness 0,4 mm.
DN65–DN125: density 1,2 mm, wire thickness 0,9 mm.
DN150–DN 300: density 1,7 mm, wire thickness 1,0 mm.

PRE – INSTALLATION:

Before installation, make sure the mating flanges are: in line, flat, parallel and correct distance apart.
Remove the flange cover and wipe the flange and gaskets with a lint-free, dry wipe. If installing an O-Ring seal flange, apply a light film of grease to the O-Ring and install in the flange O-Ring groove.

INSTALLATION:

Inspect the dirt strainer to determine the forward flow direction as indicated by an arrow on the strainer body. Use gasket material suitable for the pressure, temperature and media and cut to fit the raised face of the strainer. For strainer installation proper dimension and length of bolts have to be used. Too long bolts should cause the damage of the body panels, or destroy the seal surface. Lightly grease the flange bolts with high-temperature, non-galling type of grease. Carefully tighten the bolts around the flange using the prescribed torque. Bolts should be tightened gradually in a star or crisscross pattern.
During tightening flange bolts check the compression of the gasket.

STORAGE, PROTECTION, OPERATION, DISASSEMBLY AND MAINTENANCE

STORAGE AND PROTECTION:

CAUTION: IF THE STRAINER IS TO BE STORED FOR A LONG PERIOD OF TIME BEFORE INSTALLATION IT SHOULD BE STORED IN A COOL, DRY AND CLEAN WAREHOUSE TO PREVENT DAMAGING EFFECTS.

Valves stored for a longer period should be maintained as follows:

- Clean the dirt and grease machined surfaces with some antirust oil at least every 3 months.

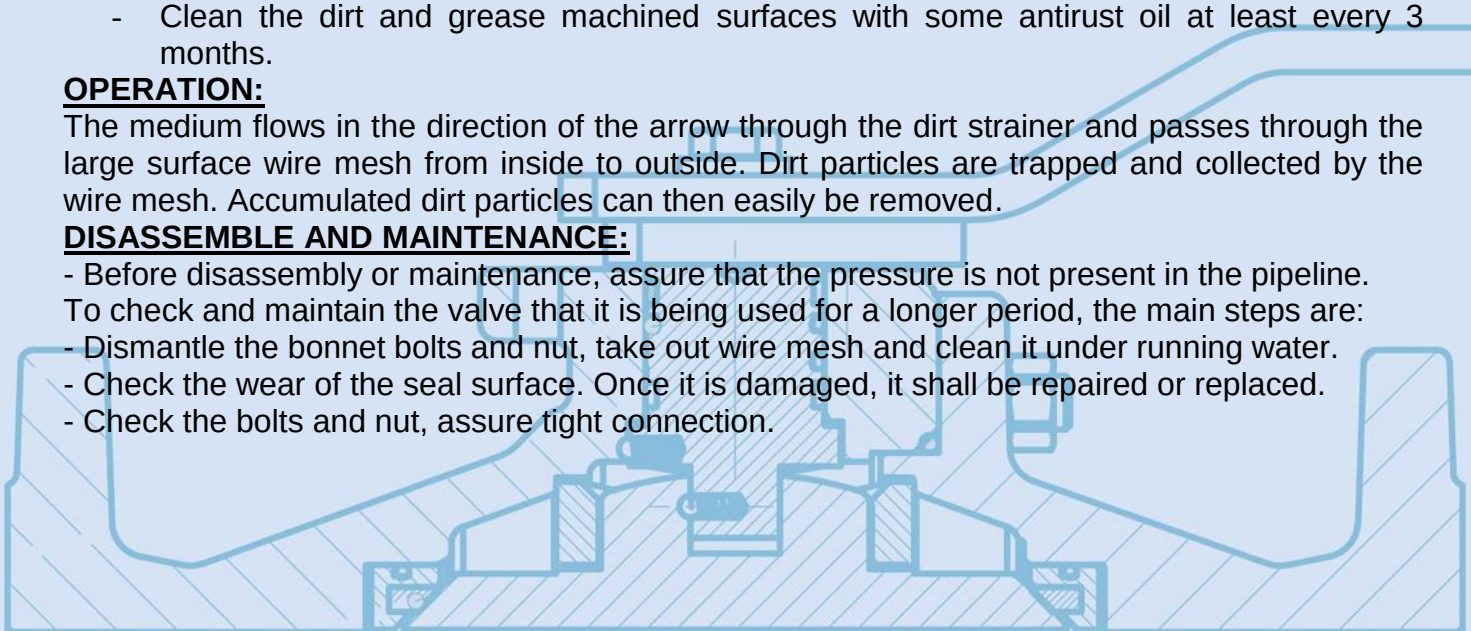
OPERATION:

The medium flows in the direction of the arrow through the dirt strainer and passes through the large surface wire mesh from inside to outside. Dirt particles are trapped and collected by the wire mesh. Accumulated dirt particles can then easily be removed.

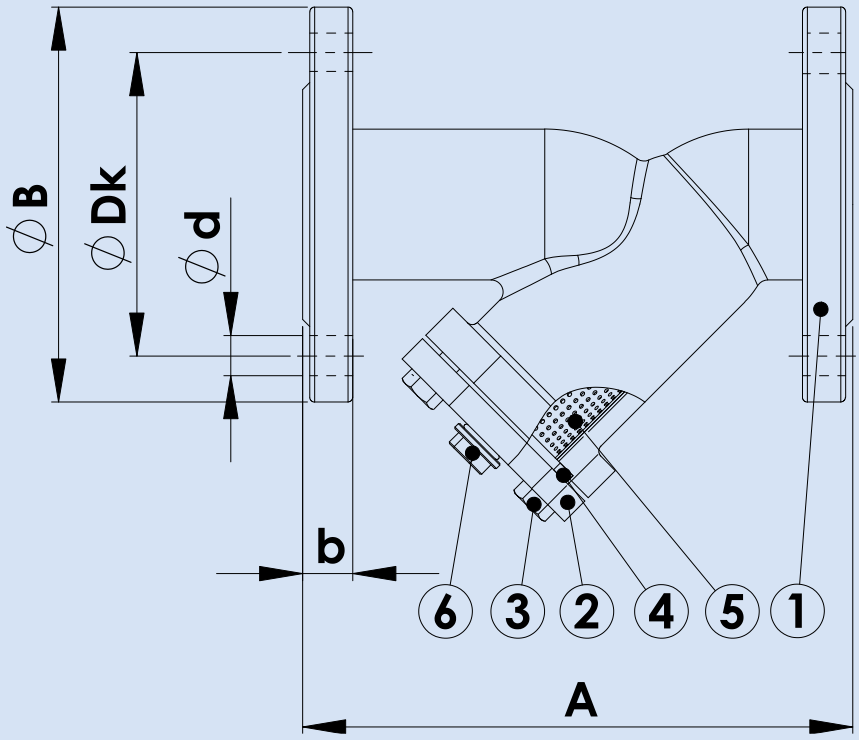
DISASSEMBLE AND MAINTENANCE:

- Before disassembly or maintenance, assure that the pressure is not present in the pipeline.

To check and maintain the valve that it is being used for a longer period, the main steps are:
- Dismantle the bonnet bolts and nut, take out wire mesh and clean it under running water.
- Check the wear of the seal surface. Once it is damaged, it shall be repaired or replaced.
- Check the bolts and nut, assure tight connection.



- Check for eventual damages or abnormalities. If necessary, parts have to be replaced. Before replacement make sure pressure is not present in the system.



1	Body	Cast Iron – GG25
2	Bonnet	Cast Iron – GG25
3	Bolt	Galvanized Steel
4	Gasket	Graphite Steel
5	Wire mesh	Stainless Steel – A304
6	Plug	Galvanized Steel