Operating and maintenance instructions for

Sealing Plug with Bore Ord. No. 019 000 0530, 019 000 0535 for Proximity Switch for Check Valve DN 80 - 200 Ord. No. 983-00

1. Intended use / Product description

Medium:
Potable water

Max. operating pressure:
Potable water: 10 bar

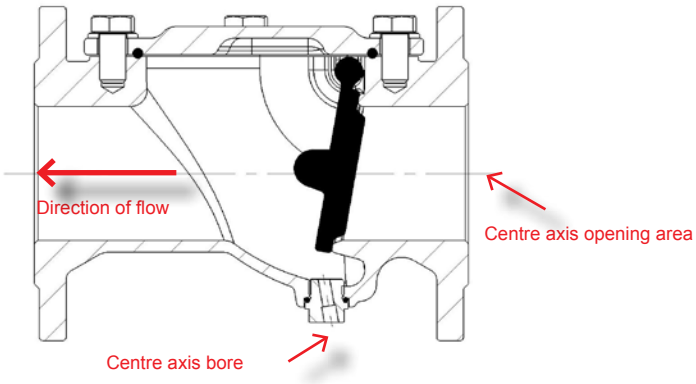
Material:
Stainless steel

Description:
The sealing plug with threaded hole (M8x1) for installation of a proximity switch is available for check valves ord. no. 983 1 either for horizontal or for vertical installation. The proximity switches used should have the following specifications: inductive proximity switch - stainless steel, at least V2A, min. length 60mm, thread M8x1, min. switching distance 6mm, pressure-resistant design; e.g. (Contrinex DW-AS-713-M8-001).

2. Assembly

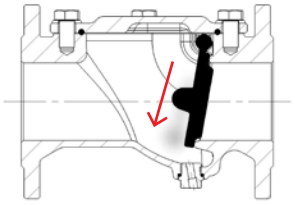
Important: The product may be installed only when the pipeline is empty and unpressurized.

a) Dismantle the screw plug of the check valve and replace it by the sealing plug with threaded hole. Screw in the plug as far as it will go and, depending on the position of the bore, align it by turning it back (counterclockwise) in such a way that the bore points in flow direction. Moreover, the centre axis of the bore must be aligned to the centre axis of the opening area. If the plug needs to be aligned, additional sealing material, e.g. Teflon tape, must be used for sealing it.

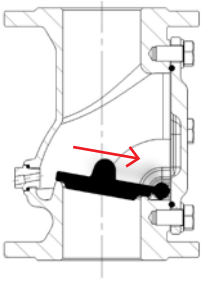


b) Important in case of nominal width DN 80: To ensure the required switching distance of the proximity switch with this nominal width, the rubber lining of the valve disc must be removed in the marked area down to the end of the rounded edge. This corresponds to a dimension of 1.5 - max. 2 mm. Removal (e.g. by grinding) must be performed in parallel to the horizontal centre axis (see illustration).

c) The valve disc can be shifted because of the bearing clearance. Therefore, before turning in the proximity sensor, move the check valve to the desired mounting position and then shift the valve disc in the specified direction using manual force.

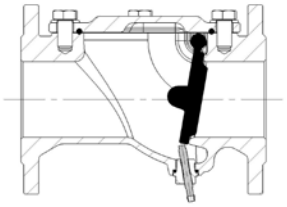


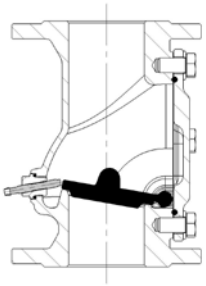
In horizontal direction



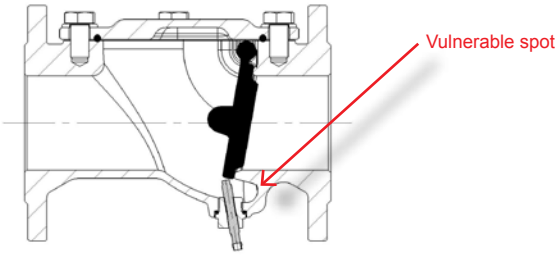
In vertical direction

d) Screw in the proximity switch provided with sealing material until it touches the valve disc. Subsequently, turn back the proximity switch by 1 1/2 revolutions.





e) Dismantling:
To avoid damaging the cast iron body coat when dismantling the threaded plug, the following sequence must be observed:
1) Dismantle the proximity switch
2) Screw out the threaded plug



3. Servicing and maintenance

For servicing and maintenance, please observe the information given in the operating instructions of the check valve.

4. Commissioning and pressure-testing

After successful installation, the unit has to be subjected to pressure-testing at maximum operating pressure.

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

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