

Manual and maintenance instructions

for **INTERNORMEN-Filter** tank mounted return-line-filters
DTEF 70, 120, 320, 426, 625, 631, 635, 951, 952, 1652, 2551

Sheet No.
31225-4

1. Installation

The filter is ready to be installed after removal of the package, is put on the flat mounting area and fastened with screws. Afterwards, the protection cover is removed from the connection opening, and the piping is connected.

Make sure that upon assembling

- no dirt, impurities or foreign fluids can enter the filter
- the connection of the pipe system is screwed on or into the filter connections in exact alignment (line adapters which are tilted or under tension charge the line connection to the change-over as well as to the filter and endanger the density)
- the filter bowls do not fit closely to the breaking-through of the container

2. Initiation

Before any initiation all available accessories like clogging indicators have to be installed completely (E-connection). The change lever of the three-two way valve has to be moved in an operational position (I or II) to the limit stop. Now the filter is operative.

3. Maintenance

If the clogging indicator shows after a certain operating time that the filter element of the impinged filter has arrived at the limit of its dirt holding capacity the three-way ball valve has to be changed over to the opposite operational position. After the change-over the exchange or maintenance of the filter element can be done as follows

- Open the screw plug resp. filter cover of the filter which needs maintenance (Consider the indexing position of the three-two way valve according to the correct documentation of the filter).
- Remove the filter bowl including the filter element.
- Remove the filter element of the filter bowl.
- Clean the filter bowl by rinsing with the common detergents.
- Insert a new or serviced filter element in the filter bowl. The cleaning of the filter element is only possible for filter elements with mesh filter media, see cleaning instructions Sheet No. 21070-4 and 39448-4.
- Insert the filter bowl with filter element in the filter head.
- Screw the screw plug in the filter head resp. fix the filter cover onto the filter head and tighten the screw plugs.

Moments to tighten the plug screw

DTEF 70, 120, 320	DTEF 426
20 Nm	60 Nm

The serviced filter side is ready for operation.

4. Further Instruction

The filter elements have to be changed completely, including their seals. Their seals must be replaced by new ones when filter elements are inserted repeatedly.

Threadbare, damaged or superannuated seals at the screw plug or the filter bowl have to be replaced by new sealing parts when maintained. Be careful that the pressure spring at the filter cover does not get lost during the maintenance.

The designation of the spare parts (filter elements, sealing parts etc.) is getting obvious of the right documentation of the filter.

Be careful: during the maintenance of the opened filter (screw plug resp. filter cover is removed) no dirt or no foreign fluids must enter the fluid container.

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