

Manual and maintenance instructions

for INTERNORMEN-return line filter with suction connection for mounting
TRS 226, 625, 951, TNRS 101

Sheet No.
32106-4B

1. Assembly

The filter is ready for installation when removed from the packaging. It has to be placed on the level area of assembly and tightened. Subsequently, the protective caps from the connection openings have to be removed in order to connect the filter to the piping using screwed pipe joints.

Caution! The following is very important for this assembly:

- No dirt, no foreign substances or fluids shall enter the filter!
- Screwed pipe joints, which connect the filter connections to the piping have to be arranged, adjusted and mounted accurately (canted, respectively tense pipe joints are additional strain on pipe connections to the filter and endanger tightness)
- The Filter body should not touch the case aperture.

2. Installation

Prior to initial operation, all accessories - such as the clogging indicator - have to be installed completely (E-connection). The hydraulic unit has to be aerated according to the specific guidelines of any applied hydraulic components. After aeration, the fluid level in the tank has to be above the filter's inlet and outlet openings T1 through T3. The filter is ready for operation in that condition.

3. Maintenance

If the clogging indicator indicates – after the corresponding operating time – that the filter has reached its maximum dirt holding capacity, the element has to be exchanged in the following way:

- Pressure discharge of the hydraulic unit (make sure that the fluid level remains above the level of the filter housing)
- Loosen and remove the filter's closing screw, respectively lit
- Remove the upper retainer pin (only for TRS 226 and TNRS 101)
- Remove the filter body including the filter element
- Remove the filter element from the filter body
- Clean the filter body by flushing with usual cleaning solutions.
- Place the new or maintained filter element in the filter body. Cleaning the filter element is only possible for filter elements with fabric filtration material, for this purpose see Cleaning guidelines page-no. 21070 and 39448-4.
- Place filter body with filter element in the filter case.
- Insert the upper retainer pin (only for TRS 226 and TNRS 101)
- Reinstall and tighten closing screw, respectively filter lit.

Fastening torques for closing screws:

TRS 226	TNRS 101
60 Nm	40 Nm

Now, the filter is ready for operation.

4. Additional advice

The filter elements have to be exchanged completely – including sealing. If cleaned filter elements are used again, still all sealing have to be replaced by new sealing.

Worn out, damaged or old sealing on the closing screw or the filter body have to be replaced by new sealing elements during maintenance.

Identifications for the spare parts (filter elements, sealing elements etc.) can be found in the corresponding documentation of the filter.

During maintenance when the filter is open (closing screw removed), make sure that no dirt or foreign substances enter the fluid's container.

Orderly disposal of the remaining fluid from the filter body and the cleaning solutions has to be considered during maintenance, in order to prevent environmental damages.