

## **1. Assembly**

The filter is ready to install once it has been removed from the packaging and is placed on a level surface and screwed tightly. Next the protective closures are removed from the connection openings, which must then be connected with the screwed pipe joints of the pipe system.

### **Attention!**

When assembling, it is essential to ensure

- that no dirt, foreign particles or liquids can get into the filter. To do so the complete maintenance process as per item 3 has to be done rapidly. In case of interruption of this process the filter housing has to be closed by means of the screw plug or the filter cover respectively. Both filter and unit concerned have to be marked „Maintenance, not in operation“.
- that the screw-in joint of the pipe system is exactly aligned to the filter connections before screwing commences (screwed pipe joints which are bent or under stress will hamper the connection to the filter and endanger tightness),
- that the filter pot is not lying against the opening, the wall or the floor of the container.

## **2. Startup**

All accessory parts such as the contamination display must be fully installed before startup (power connection). The hydraulic system must be ventilated in accordance with the instructions for the hydraulic components used. After ventilation, the level of liquid in the tank must be above the filter openings "ON" under all operating conditions. The filter is then operational.

## **3. Maintenance**

If the contamination display indicates after the corresponding period of operation that the filter element has reached the limit of its dirt collection capacity, you must replace the filter element as follows:

- Relieve the pressure of the hydraulic system (make sure that the level of fluid is above the level of the filter housing).
- Undo and remove the screw plug or filter lid.
- Remove the filter pot, including the filter element.
- Withdraw the filter element from the filter pot.
- Clean the filter pot by washing it through with the usual cleaning agents.
- Fit a new or serviced filter element into the filter pot. Only filter elements with a fabric filter material can be cleaned, cf. cleaning instructions sheet no. 21070 and 39448.
- Insert the filter pot with filter element into the upper part of the filter.
- Fit the screw plug or filter lid into the upper part of the filter and screw tight.

Tightening torques for screw plugs

TS 210/310	TS 426	TS 625
20 Nm	60 Nm	80 Nm

The filter is functional again.

## **4. Additional information**

The filter elements must be exchanged completely, i.e. including their seals. If cleaned filter elements are used repeatedly, their you must replace the seals with new ones.

Worn, damaged or ageing seals on the screw plug or filter pot must be replaced with new seal elements during maintenance.

Refer to the relevant documentation for the filter to obtain the descriptions of the spare parts (filter elements, seal elements etc.).

While the filter is open during maintenance (screw plug removed), you must make sure that no dirt or foreign particles can get into the liquid tank.

To avoid environmental damage, make sure that the remaining fluid from the filter pot and the solvents that are used are disposed of properly after maintenance.

## **5. Service**

The service will be performed by

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Special questions about the operation of the filter will also be answered within this area.

Spare parts respectively wearing parts have to be ordered according to the spare part list of the filter-data-sheet.