

## MAINTENANCE INSTRUCTIONS

### INSTRUCTIONS FOR USE FOR FILTERS



The pressure unit must only be operated in conjunction with a machine or system.



This pressure unit must only be used in accordance with the requirements of the operating instructions of the machine or system.



This pressure unit must only be operated using hydraulic or lubrication fluid.



The user must, by appropriate action (e.g. venting), prevent the formation of air pockets.



Repair, maintenance work and commissioning must only be carried out by trained personnel.

Ensure the pressure unit has cooled down before handling.

The stipulations of the operating instructions of the machine or the system must be followed.



**Caution: pressure unit!** Before any work is carried out on the pressure unit, ensure the pressure chamber concerned (filter housing) is depressurized.



On no account must any alterations (welding, drilling, or opening by force...) be carried out on the pressure unit.



It is the responsibility of the operator to comply with the water regulations of the country concerned.



Statutory accident prevention regulations, safety regulations and safety data sheets for fluids must be observed.



Caution

When working on, or in the vicinity of, hydraulic systems, naked flames, spark generation and smoking are forbidden.



Caution

Hydraulic oils and water polluting fluids must not be allowed to enter the soil or watercourses or sewerage systems.

Please ensure safe and environmentally friendly disposal of hydraulic oils. The relevant regulations in the country concerned with regard to ground water pollution, used oil and waste must be complied with.



Caution

Whenever work is carried out on the filter, be prepared for hot oil to escape which can cause

injury or scalding due to high pressure or high temperature.



Caution

Filter housing must be earthed.



Danger

When using electrical clogging indicators, before removing the clogging indicator connector, the electrical power supply to the system must be switched off.

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### GENERAL MAINTENANCE

This section describes maintenance work which should be carried out periodically. The operational safety and life expectancy of the filter, and whether it is ready for use, depend to a large degree on regular and careful maintenance.

### MAINTENANCE PROCEDURES

- Spare parts must fulfil the technical requirements specified by the manufacturer. This is always guaranteed for HYDAC original spare parts.
- Keep tools, working area and equipment clean.
- After disassembling the filter, clean all parts, check for damage or wear and replace parts if necessary.
- When changing a filter element a high level of cleanliness must be observed!

### INTERVAL BETWEEN CHANGING ELEMENTS

We recommend fitting the filter with a clogging indicator (visual and/or electric or electronic) to monitor the filter element.

If the clogging indicator responds, it is necessary to change or to clean the filter element without delay (only W and V elements can be cleaned).

If no clogging indicator is fitted, we recommend changing the elements after specified intervals (changing the filter element depends on the design of the filter and the conditions). Higher dynamic loads across the element might necessitate shorter intervals between changes. Shorter intervals can also be expected during commissioning, repairs, oil changes etc. on the hydraulic system.

The standard clogging indicators only respond when fluid is flowing through the filter. With electrical indicators the signal can also be converted into a continuous display on the control panel. In this case the continuous display must be switched off during a cold start or after changing the element.

If the clogging indicator responds during a cold start only, it is possible that the element does not need to be changed yet.

