

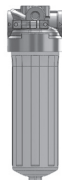


Spare parts list Diesel MainCare HDM

HDM 170



HDM 340



1. MAINTENANCE

1.1 GENERAL

Please follow the maintenance instructions!

1.2 INSTALLATION

Before fitting the filter into the system, check that the operating pressure of the system does not exceed the permitted operating pressure of the filter.

Refer to the type code label on the filter!

1.3 COMMISSIONING

Check that the correct filter element is fitted. Screw in housing again fully and tighten it with 40 Nm.

Switch on the motor and check filter for leakage.

Vent filter at an appropriate point in the system.

1.4 TOOLS REQUIRED FOR MAINTENANCE

Size	Spanner for filter bowl
HDM 170/340	SW 24

2. CHANGING THE ELEMENT

2.1 REMOVING THE ELEMENT

1. Switch off diesel motor and release filter pressure.
2. Unscrew filter bowl
3. Remove filter element (drain fluid into a suitable container and clean or dispose of it in accordance with environmental regulations).
4. Replace filter element.
5. Clean filter bowl; particular attention must be paid to the threads!
6. Examine filter, especially sealing surfaces, for mechanical damage.

2.2 FITTING THE ELEMENT

1. Lubricate the O-ring with clean operating fluid.
Apply multi-purpose grease or another suitable lubricant to the threads on the filter head.
- Caution!**
Aluminium paste is not suitable for use with fuel filters.
2. Install filter element in the filter head.
In order to do this fit the filter element onto the filter head and push it on as far as it will go.
3. Screw in filter bowl fully and tighten to 40 Nm!
4. Vent filter at an appropriate point in the system.
5. Check filter for leakage.

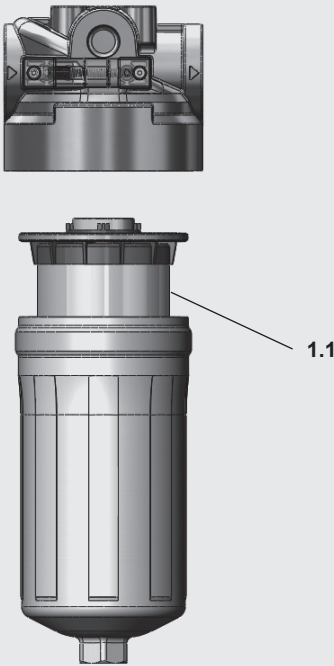
NOTICE:

Contamination or incomplete pressure release on disassembly can lead to seizing of the bowl thread.

Filter elements which cannot be cleaned must be disposed of in accordance with environmental protection regulations.

3. SPARE PARTS

3.1 SPARE PARTS DRAWING HDM 170/340



3.2 SPARE PARTS LIST HDM 170/340

Item	incl- udes	Description	HDM 170	HDM 340
1.		Filter element	See Point 4. Replacement elements	
	1.1	Filter element	0170 EC1....	0340 EC1...

Other spare parts on request

4. "ECONOMY" SPARE PART

	0340	EC1	004	KF1	/-Kxxx
Size	0170, 0340				
Evolution stage	EC1				
Filtration rating	4 µm standard, completely synthetic				
Filter material	KF1 Dieselmicron®				
Supplementary details	Kxxx customer-specific				

5. MAINTENANCE INSTRUCTIONS

5.1 USER INSTRUCTIONS FOR FILTERS



This pressure equipment must only be put into operation in conjunction with a machine or system.



The pressure equipment must only be used as stipulated in the operating instructions of the machine or system.



This pressure equipment must only be operated using diesel fuel.



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



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

Allow the pressure equipment to cool before handling.

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



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



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



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.



When working on, or in the vicinity of, fuel systems, naked flames, sparks and smoking are forbidden.



Fuels and water-polluting fluids must not be allowed to enter the soil or watercourses/ sewer systems. Please ensure safe and environmentally friendly disposal of fuels. 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 fuel to escape which can cause injury or scalding as a result of its high pressure or temperature.



Caution

Filter housing must be earthed.



Caution

HYDAC is not liable for inappropriate use!



Caution

Ensure that the design specifications and parameters are adhered to!



Note

The Diesel MainCare HDM is approved solely for use in technical applications. The device must not be used in situations where human lives depend on the correct functioning of the device.

Customer Information in respect of Machinery Directive 2006/42/EC

Hydraulic filters are fluid power parts/ components and are therefore excluded from the scope of the Machinery Directive. They do not bear the CE mark. Before using these components, ensure compliance with the specifications provided by HYDAC Filtertechnik GmbH in this documentation.

The specifications also contain information on the relevant essential health and safety requirements (based on Machinery Directive 2006/42/EC) that are to be applied by the user.

We hereby declare that the filters are intended to be incorporated into machinery within the terms of the Machinery Directive 2006/42/EC. It is prohibited to put the filters into service until the machinery as a whole is in conformity with the provisions of the Machinery Directive. Furthermore, our Terms of Sale and Delivery are available on our website (www.hydac.com).

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5.2 MAINTENANCE, GENERAL

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

5.3 MAINTENANCE MEASURES

- Spare parts must fulfil the technical requirements specified by the manufacturer.
- This is always ensured when using original HYDAC spare parts.
- Tools, working area and equipment are to be kept 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!

5.4 INTERVAL BETWEEN ELEMENT CHANGES

In principle we recommend that the filter element is changed after 1 year of operation at the latest.

When no clogging indicator has been fitted, we recommend changing the elements at specific intervals. (The frequency of changing the filter elements depends on the filter design and the conditions under which the filter is operated).

When filter elements are subject to high dynamic loading it may prove necessary to change them more frequently. The same applies for commissioning, repairs, etc. of the fuel system.

NOTE

The information in this brochure relates to the operating conditions and applications described.

For applications or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.