Product description

Grease filter

PRODUCT FEATURES

- Compact design
- Minimal pressure drop through optimal flow design.
- Threaded or flanged connections
- Equipped with highly efficient glass fibre PS filter elements.
- Beta rated elements according to ISO 16889 multipass test.
- Elements with high differential pressure stability and dirt holding capacity.
- Drg: cleanable surface filter element, made of wire mesh.



ADVANTAGES

- large filter surface of 470 cm²
- allowed differential pressure of 210 bar

FILTER MATERIAL Drg

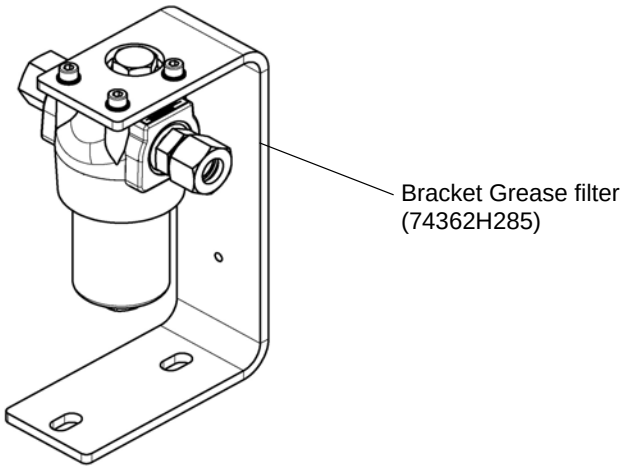
Surface filters made of stainless steel wire mesh with a very low flow resistance designed in the following weaves: plait, twill and linen. Degree of filtration 300 µm. For a wire mesh filter element the degree of filtration is determined by the largest diameter of a globular particle which would be able to pass the fabric. Wire mesh filter elements are used in hydraulic oil and lubricants filtration as suction or coarse filters, for high viscose fluids as well as safety filters for coolant filtration. Wire mesh elements possess a defined removal size as surface filter and a low dirt holding capacity as depth filter.

SPECIFICATION

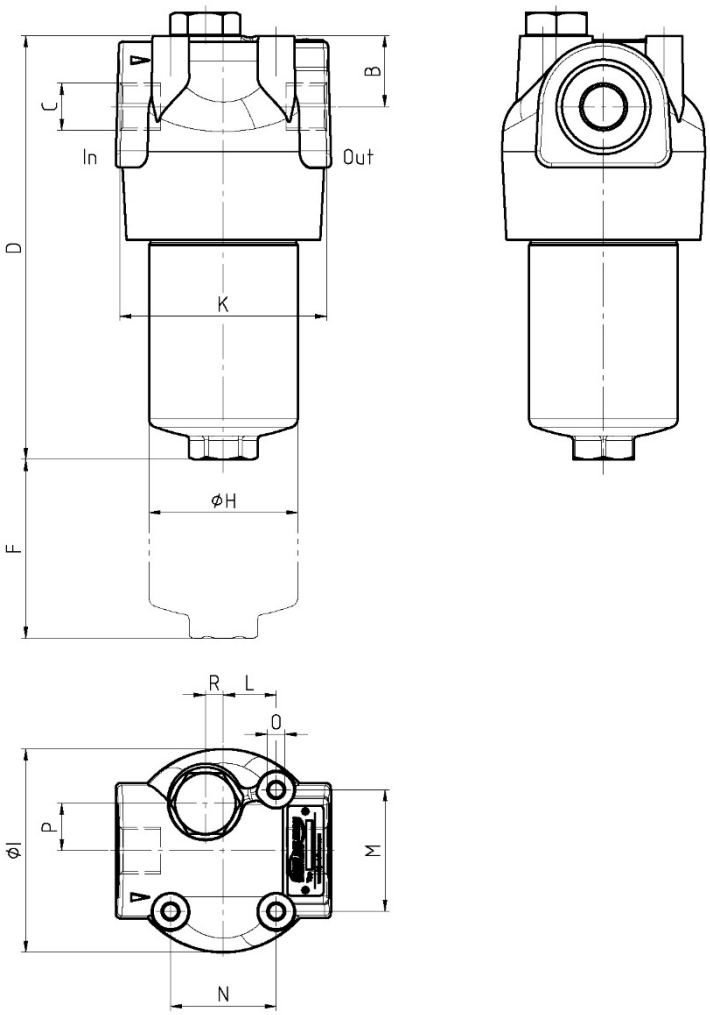
DELIMON Order no.: 73671F055
Design : ..... Line mounting filter, Threaded version
Nominal pressure : ..... 400 bar
Test pressure : ..... 520 bar
Temperature range : ..... - 10° C to + 120° C (other temperature ranges on request)
Filter surface : ..... 470 cm^2
Max. Δ p : ..... 210 bar
Filter material : ..... Drg vst 300
Material filter head : ..... GGG
Material filter housing : ..... St
Material sealings : ..... NBR / PTFE
Nominal size : .....NG50 50 l/min
Weight : ..... 4.1 kg

ACCESSORIES

Bracket for grease filter: at used in standard pump stations ..... DELIMON Order no.: 74362H285



DIMENSIONS (mm)



Type	A	B	C	D	F	G SW	H	I	K	L	M	N	O	P	R	S	T	U
Pi 4205	78	31	G ½	189	80	27	66	90	92	23,5	54	47	M8x14	21	8	57,1	27,8	M12x20

In = Inlet
Out = Outlet

INSTALLATION, OPERATING AND MAINTENANCE

Filter installation

When installing the filter make sure that sufficient space is available to remove filter element and filter housing. Preferably the filter should be installed with the filter housing pointing downwards.

When should the filter element be replaced?

1. Filter without maintenance indicator: The filter element should be replaced after the trial run or flushing oft he system. Afterwards follow instructions oft he manufacturer.
2. Please always ensure that you have original spare elements in stock.

Element replacement

1. Stop system and relieve filter from pressure.
2. Unscrew the filter housing by turning counter-clockwise. Clean the housing using a suitable cleaning solvent.
3. Remove element by pulling down carefully.
4. Check o-ring, spigot and o-ring in the element locator for damage. Replace, if necessary.
5. Make sure that the order number on the spare element corresponds to the order number of the filter name-plate. To ensure no contamination occurs during the exchange of the element first open the plastic bag and push the element over the spigot in the filter head. Now remove plastic bag.
6. Lightly lubricate the thread of the filter housing and screw onto the filter head completely. After that unscrew the filter housing 1/8 to 1/2 return.

Possibilities of cleaning wire gauge elements

1. Ultrasonic cleaning

Immerse contaminated filter element into the ultrasonic bath for approx. 90 – 120 minutes, then flush with clean solvent. Then carefully blow out filter element from the clean side in outward direction using compressed air. As solvent, cleaning gasoline etc. may be used.

2. Manual cleaning

Only for degree of filtration ≥ 40 µm.

1. Remove coarse external dirt with a brush or similar tool in a separate cleaning container filled with solvent such as cleaning gasoline.
2. Put filter element into a clean liquid solvent (approx. 20 minutes).
3. Flush filter element with liquid solvent from inside to outside.
4. Blow out filter element from the clean side in outward direction using compressed air.

With either method ascertain that no dirt can deposit on the inside (clean side) of the filterelement. Further it needs to be considered that the element will not damaged because of proper handling. An entire cleaning (100 %) cannot be achieved especially at a grade of filtration ≤ 25 µm. The service life of the element will decrease continiously per cleaning!

SPARE PARTS

Filter element
DELIMON Order no.: 73671F050

Sealing set (o-ring)
DELIMON Order no.: 69113S001