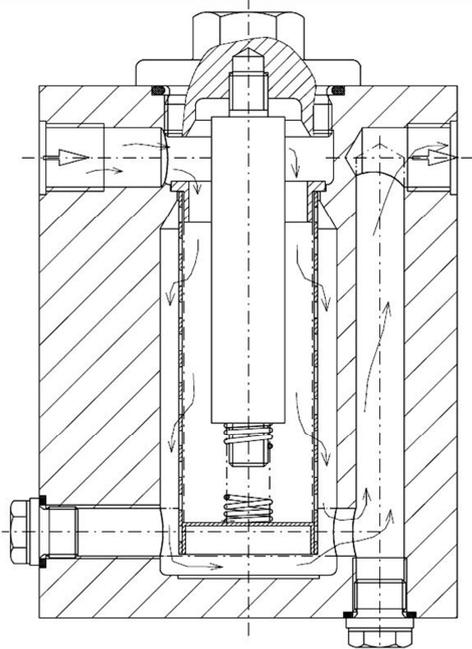


Single Filter F112S-200

With thread couplings and magnetic insert

G 3/8 – 3/4



Nominal width	Nominal pressure
Standard: G 1/2 – 3/4 Special : G 3/8 resp. acc. customers specification	200

Fig. 1: Standard design F112S-200

Field of Application

The sleeve filter type F112S-200 is a single filter with a thread connection to filter liquids in systems having higher pressures. The strainer insert in the form of a basket strainer will retain coarse and fine contamination particles and a magnetic filter (optional) ferromagnetic particles. The magnetic filter will enable the use of the filter in hydraulic plants, where ferromagnetic impurities are causing system disturbances and damaging the sliding surfaces.

Abstract

The filter consists of a housing made of stainless steel with cover and the strainer insert. The cover is in form of a locking screw and is screwed into the housing. The medium to be filtered will enter the filter unit from above and flow around the magnetic rod retaining ferromagnetic contaminations. The magnetic rod consists of high-quality ceramic ring magnets fixed at a magnet armature located at the filter cover. The basket strainer being flown through from the inside to the outside consists of a perforated supporting plate alternatively covered with cloths made of various materials having different mesh widths.

Installation

The sleeve filter type F112S-200 will be installed into the piping by means of a pipe joint. Please ensure that the filter with its cover screw located on top is flown through in the direction indicated on the housing. A wrong connection may cause a deformation of the basket strainer and to functional disturbances of the filter.

For safeguard the cover thread during assembly an adequate lubricant has to be used.

Attention! As we are dealing with a pressure vessel, it should be necessarily ensured at any rate that the vessel is absolutely unpressurized before starting the maintenance work. The safety rules and the regulations for the prevention of accidents required for the relevant medium have to be followed.

1. Cleaning
2. Depressurize the filter using draining device
3. Loosen the cover screw and lift off with screwed-in magnetic filter (optional)
4. Pull the strainer insert upwards and lift it out of the filter body. Now the strainer can be cleaned by blowing out or blasting using compressed air, steam, or water. If necessary, the strainer should be soaked and cleaned using a suitable agent. Possibly, an optimal cleaning will be obtained using ultrasonics. In case of all these modes of cleaning you should always take care not to damage the filter mesh. The magnetic rod will be cleaned by wiping off the adhering particles.
5. During the reassembly, following the disassembly procedure in reverse, you should make sure to avoid any damage to the sealing elements; if necessary, they should be replaced.

Single Filter F112S-200

With thread couplings and magnetic insert

G 3/8 – 3/4

	Standard design	Special designs resp. supplementary equipment
Strainer insert	Basket strainer	-
Filter fineness	80 - 1000 µm : mesh with support plate from 1 mm : perforated sheet	-
Filter lock	Locking Screw	-
Draining device	Locking Screw	-
Connection	Female pipe thread/Whitworth with seal face acc. DIN 3852 T. 2, Form X	without seal face, NPT female thread, with welding studs, with flanges
Materials:		
Body and Cover	1.4581/1.4571	-
Cover sealing (O-Ring)	Buna N	FPM, PTFE
Perforated plate/cloth (strainer)	1.4301 / 1.4401	1.4571/1.4401
Drain plug	A 4	-
Auxiliary filter	-	Magnetic filter

Technical data and dimensions

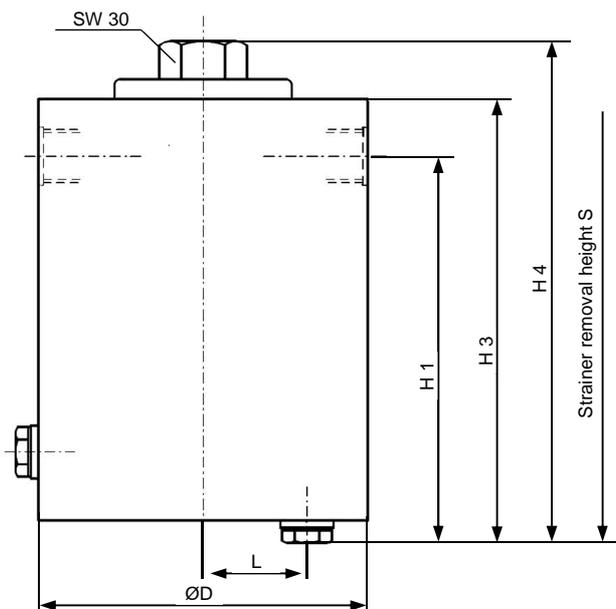


Fig. 2: Standard design F112S-200

G	PN	ØD	H1	H3	H4	L	S	Volume appr.	Flow rate	Filter surface appr.	Weight appr.
	bar	mm	mm	mm	mm	mm	mm	dm ³	m ³ /h	cm ²	kg
3/8	200	130	154	176	199	41	330	0,4	0,6	120	15
1/2	200	130	154	176	199	41	330	0,4	1,1	120	15
3/4	200	130	154	176	199	41	330	0,4	2,5	120	15

The flow rates refer to an inlet speed of 2,5 m/s in pressure pipes, a viscosity of 1 mPas (water) and filter fineness of ≥ 80 µm. For suction pipes half of the flow is recommended.

The measurements for ancillary and special equipment are available on request.

Our quality assurance system
conforms to ISO 9001:2008

