SINGLE FILTER F112

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Application

The Single Filter F112 is a sleeve-filter with a threaded connection for liquid and gaseous media with high system pressure. It is characterized by high efficiency, a compact footprint as well as quick and easy cleaning.
Further options, for example magnetic inserts or flanges enable an application-specific customization.

Function

The filter design consists of a machined stainless steel housing and a cover which is fixed with a screw plug.
The filter is equipped with a basket or ring-type strainer. The medium to be filtered flows through the strainer from the inside to the outside. The strainer is made out of a perforated plate which can be covered optionally with mesh in different mesh sizes.

Technical Data

In- / outlet:	G ⅜ - ¾
Operating medium:	Fluids, gas
Volume flow:	max. 2,5 m³/h
Design pressure:	200 bar

Components	Standard	Customized
Strainer:	Basket strainer	acc. customer's specification
Grade of filtration:	80 – 1000 µm (fabric / perforated plate) ≥ 1 mm (perforated plate)	10 – 60 µm acc. customer's specification
Filter cover:	Screw plug	
Drainage and ventilation:	Screw (stainless steel)	acc. customer's specification
Connection:	Female pipe thread / Whitworth with sealing face acc. DIN 3852 T.2, Form X	Without sealing face, NPT- female pipe thread with welding ends, with flange
Materials		
Housing and cover:	1.4571	acc. customer's specification
Cover gasket:	NBR	FPM, PTFE
Strainer (perforated plate / fabric):	1.4301 / 1.4401	1.4571 / 1.4401
Options		
Magnetic insert		

Further options and customer specific solutions are available upon request.

Pressure directive 2014/68/EU · AD 2000 HP-0-Certification · SCC**

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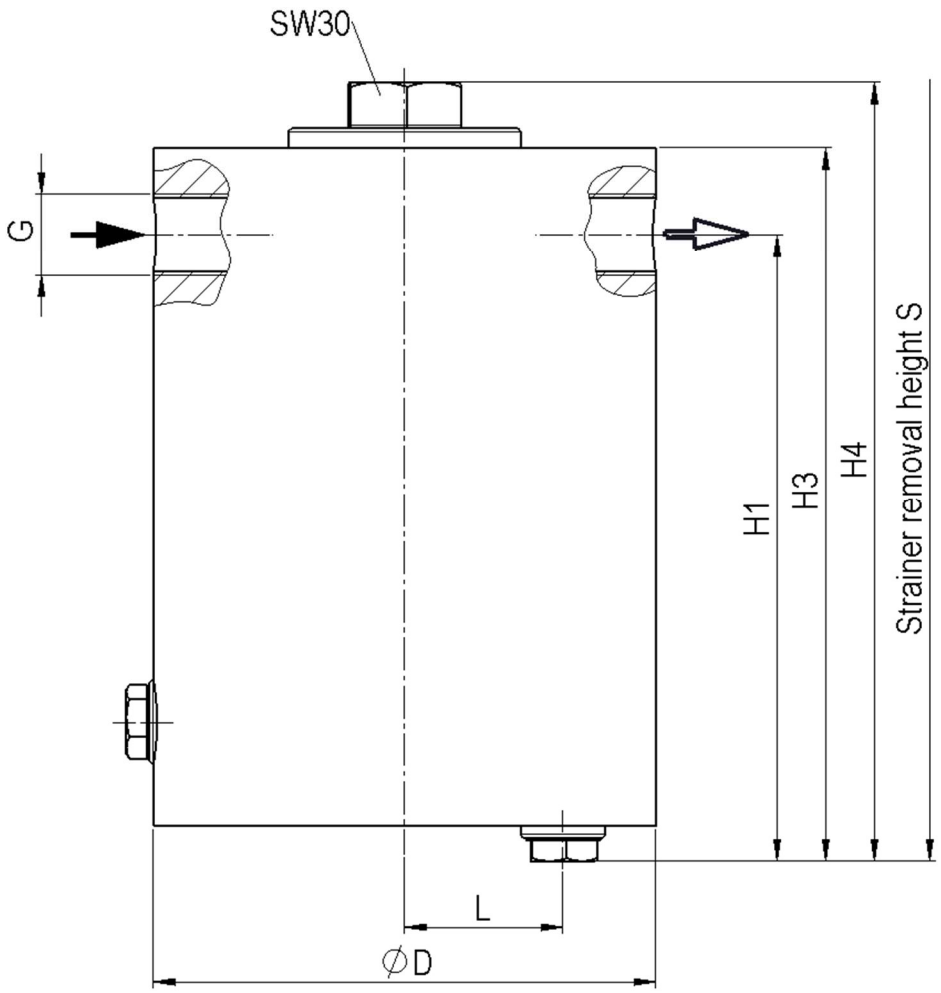

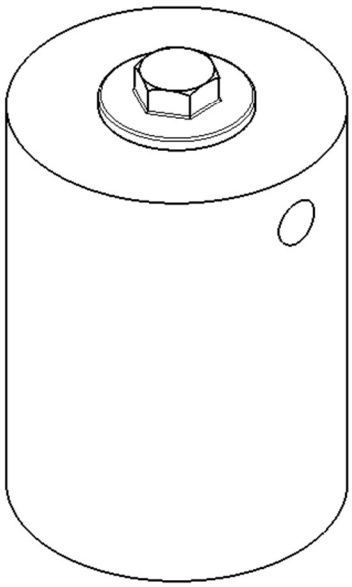

G	PN	ØD	H1	H3	H4	L	S	Volume	Flow capacity	Filter surface	Weight
	bar	mm	mm	mm	mm	mm	mm	dm³	m³/h	cm²	kg
3/8	200	130	154	176	199	41	330	0,4	0,6	120	15
1/2	200	130	154	176	199	41	330	0,4	1,1	120	15
3/4	200	130	154	176	199	41	330	0,4	2,5	120	15

Larger filter sizes, higher operating pressures as well as further customer specific designs and features are available upon request.

The above mentioned flow capacity is valid for inlet velocities of 2,5 m/s in pressure pipes, a viscosity of 1 mPas (water) and a grade of filtration ≥ 80 µm. For suction pipes we recommend half of the above mentioned flow capacity values.