



NSF 4.125

BY-PASS FILTER

DESCRIPTION

Single by-pass filter with upright filter element

MATERIALS

Housing: Aluminium
Upper part: Welded steel
Internal support system: Chrome-nickel steel and Aluminium
Filter element: separate datasheet (FE NSF).
Differential pressure indicator: separate data sheet (DP 5.02)
Seals: NBR Nitrile (FKM Fluor elastomer - on request)

PRESSURE

Max. working: 1,6 MPa (16 bar)

BYPASS VALVE

Not available

FLOW RATE

Up to 200 l/min

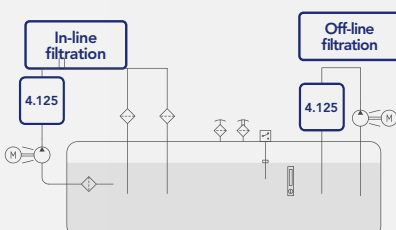
WORKING TEMPERATURE

From -10° to +80°C

COMPATIBILITY

Fluids groups 1 and 2, only liquid (PED Article 3, para. 1.1. b)
For fluids different than the above mentioned, please contact our Customer Service

HYDRAULIC DIAGRAM



Is this datasheet the latest release? Please check on our website.



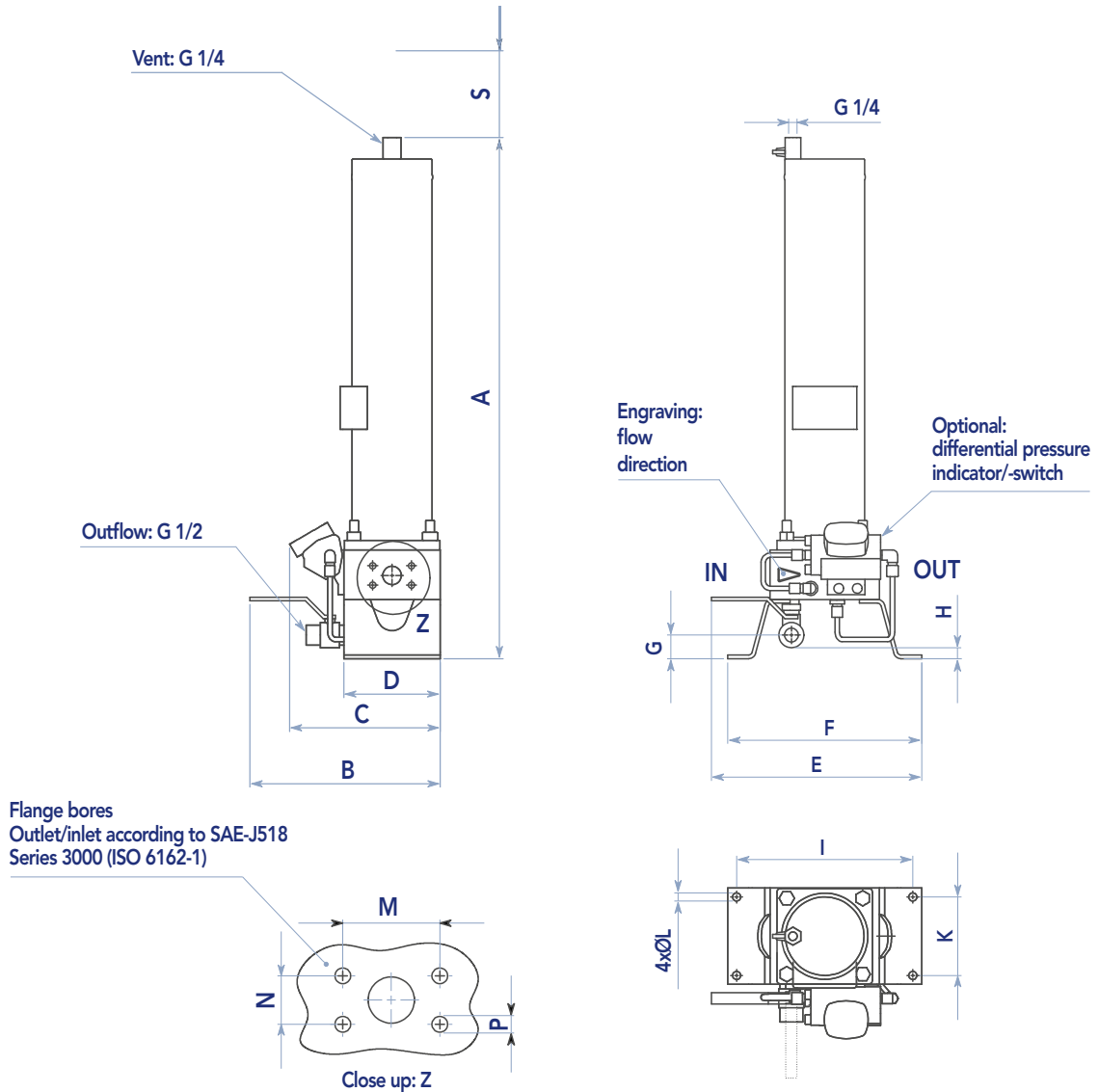
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ORDERING AND OPTION CHART

The type code can be found on the type plate.

DIMENSIONS



FLANGE CONNECTION DIMENSIONS

Filter size DN (metric)	appropriate SAE flange (inches/metric designation)		M x N	P
25	1"	25-3	52.4 x 26.2	M10; 15 deep
40	1 1/2"	38-3	69.9 x 35.7	M12; 18 deep
50	2"	51-3	77.8 x 42.9	M12; 18 deep

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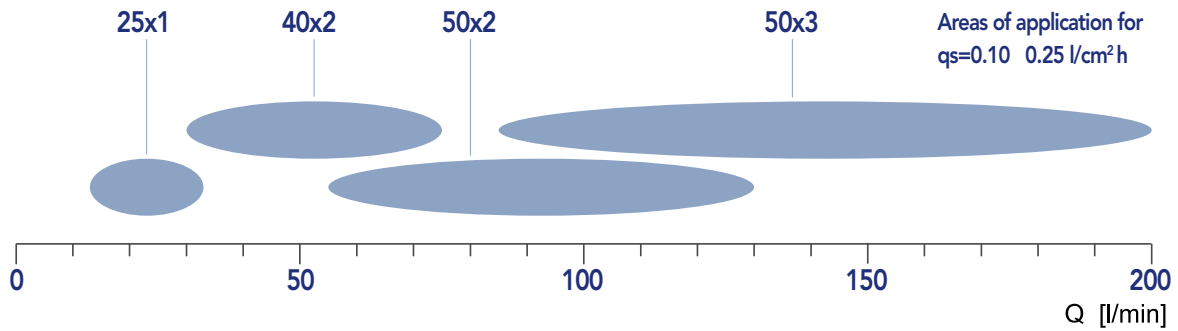
FILTER DIMENSIONS

DN	Filter area min. [cm ²]	Number/length of filter cartridge	A	B	C	D	E	F	G	H	I	K	∅L	S ≈	Mass [kg]
25x1	7,840	1x510	704	257	203	130	284	262	32	15	238	106	11	250	14
40x2	17,750	2x400	1027	288	223	150	294	275	51	34	250	125	11	250	23
50x2	32,800	2x484	1222	338	273	200	347	327	51	34	302	175	13	220	42
50x3	49,200	3x484	1706	338	273	200	347	327	51	34	302	175	13	220	58

SPECIFIC FILTER AREA LOADING

$$0.10 \text{ l/cm}^2\text{h} \leq q_s \leq 0.25 \text{ l/cm}^2\text{h}$$

SIZE SELECTION



SPARE PARTS

Contaminated filter elements cannot be cleaned and must be replaced with new ones!

WORKING PRINCIPLE

Liquid path: The liquid to be filtered flows from the entrance side (see arrow on the housing in the drawing) through the filter cartridge to the exit side. In this case, the liquid flows through the pleated filter medium from the outside inwards. The separated particles of dirt are therefore deposited on the outside of the filter element.

The purified liquid flows downstream of the filter through the streamlined support element of the filter cartridge and leaves the filter on the exit side.