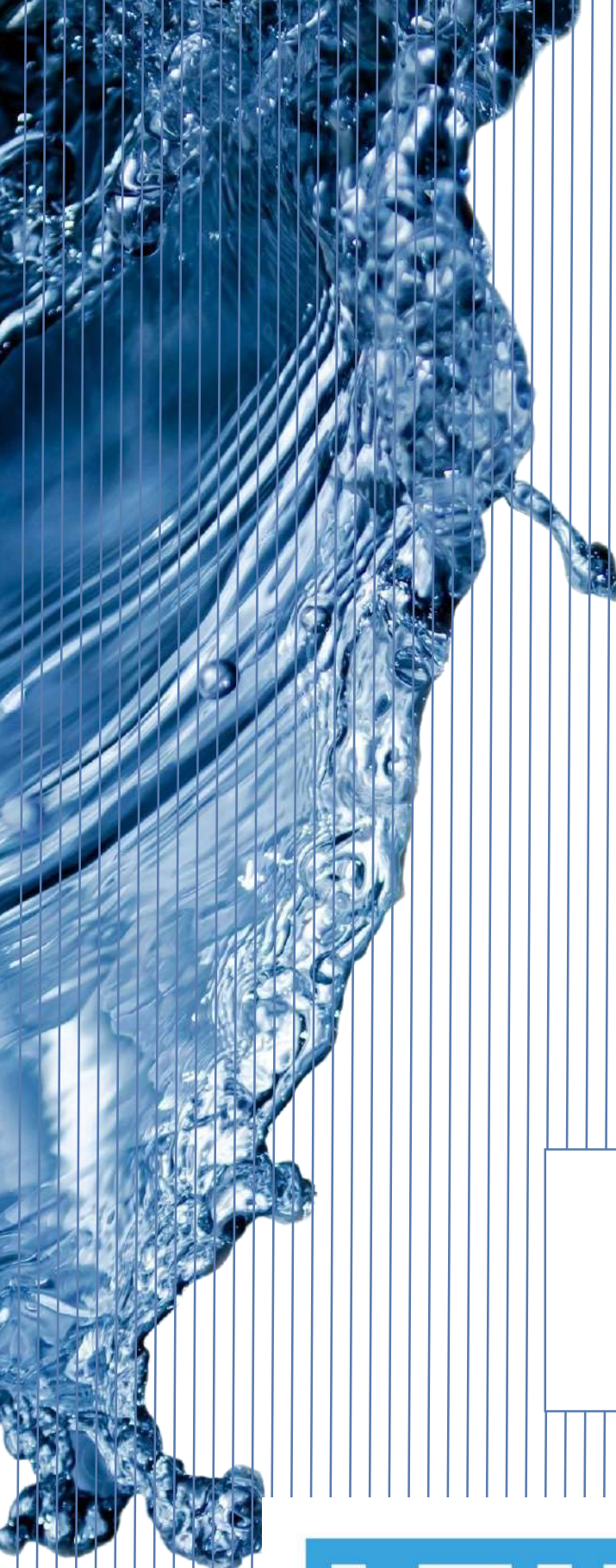




STAUFF
PRESSURE FILTERS
SFZ



HYDRAULIC
COMPONENTS
& FLUID CONTAMINATION
CONTROL



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High Pressure Filters ■ Type SFZ



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Product Description

STAUFF SFZ series High Pressure Filters are designed for sandwich plate mounting in manifold block mounting hydraulic applications, with a maximum operating pressure of 315 bar / 4560 PSI. Used together with STAUFF SE series Filter Elements, a high efficiency of contaminant removal is assured. The high dirt-hold capacity of the elements ensures long service life and, as a result, reduced maintenance costs.

Technical Data

Construction

- Designed for sandwich plate mounting

Materials

- Filter head: Free Cutting Steel
- Filter bowl: Cold Drawn Steel
- O-rings: NBR (Buna-N®)
FKM (Viton®)
EPDM (Ethylene-Propylene-Diene-Monomer-Rubber)
- Support ring (bowl): PTFE (Polytetrafluoroethylene)

Connecting Port

- According to ISO 4401-03-02-0-05 NG6 / DIN24340-A6 / Cetop R 35 H (Ref.: NFPA/ANSI D03)

Operating Pressure

- Max. 315 bar / 4560 PSI

Burst Pressure

- Min. 945 bar / 13705 PSI

Temperature Range

- -10 °C ... +100 °C / +14 °F ... +212 °F

Filter Elements

- Specifications see page 44

Media Compatibility

- Mineral oils, other fluids on request

O-ring for connection ports

- 9x1,7 (4x included in delivery)

Options and Accessories

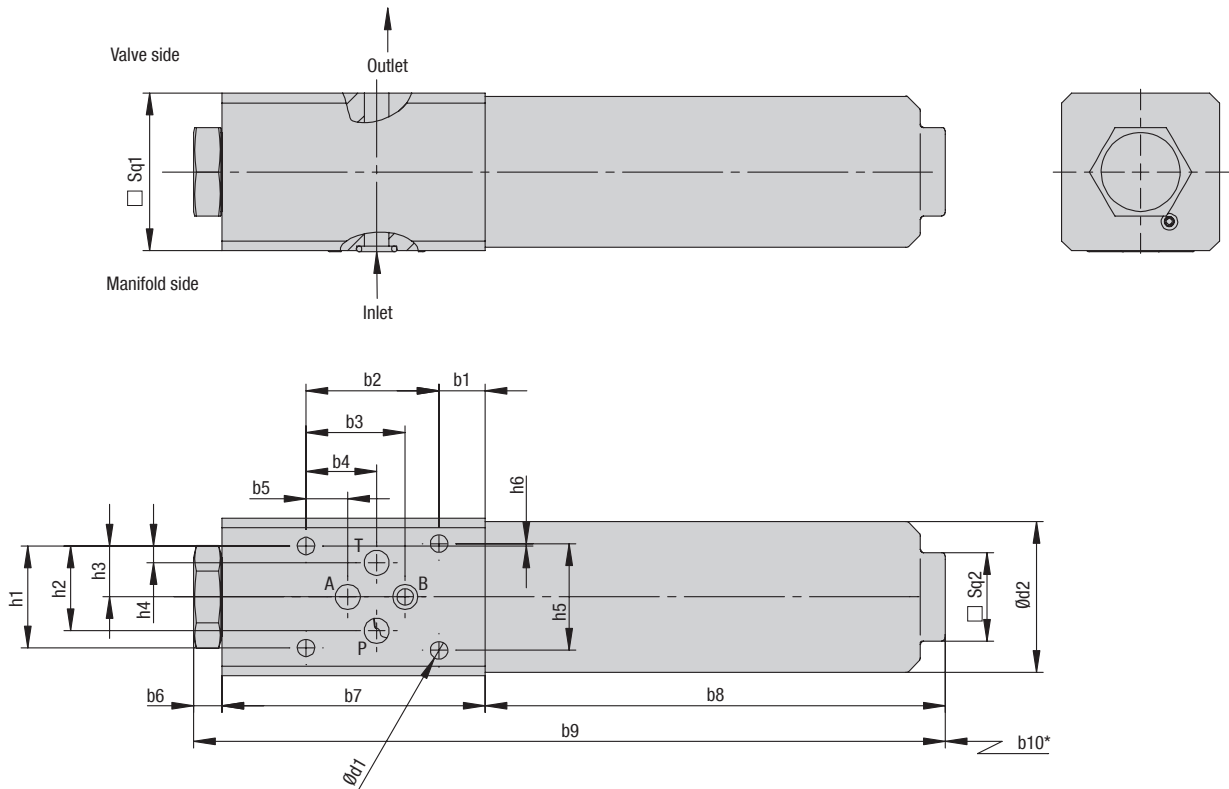
Clogging Indicator

- Standard actuating pressure: 5_{-0,5} bar / 72.5_{-7,25} PSI Δp
Other actuating pressure settings are available upon request.
- Available indicators: Visual
Electrical
Visual-electrical (24 V DC, 110 V AC, 230 V AC versions)
Double Visual-electrical (24 V DC)

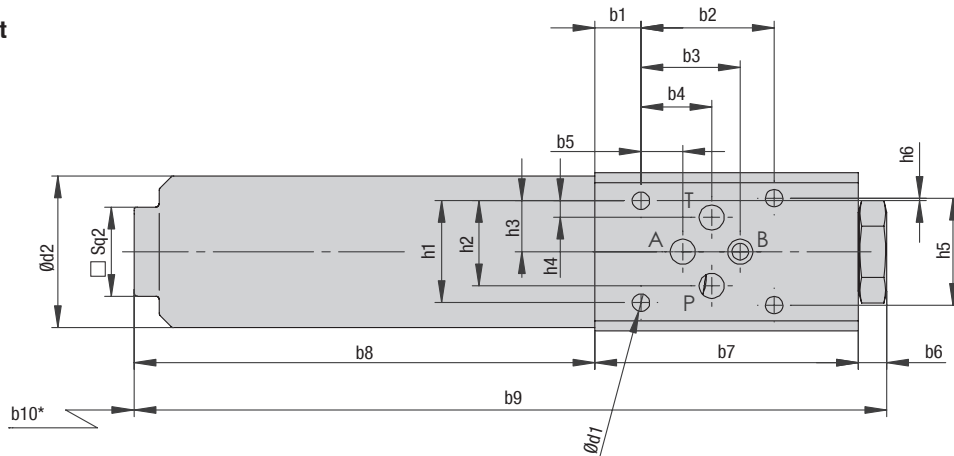


High Pressure Filters - Type SFZ

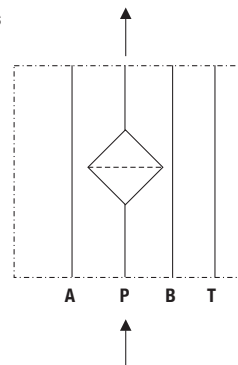
Version - right



Version - left



Symbol for hydraulic systems
SFZ-008



* recommended space for element change



High Pressure Filters ■ Type SFZ

Dimensions (mm/in)	Filter Size SFZ SFZ-008
b1	14
	.55
b2	40,5
	1.59
b3	30,2
	1.19
b4	21,5
	.85
b5	12,7
	.50
b6	9
	.35
b7	80
	3.15
b8	140
	5.51
b9	229
	9.02
b10	50
	1.97
d1	5,3
	.21
d2	46
	1.81
h1	31
	1.22
h2	25,8
	1.02
h3	15,5
	.61
h4	5,1
	.20
h5	32,5
	1.28
h6	0,75
	.03
Sq1	48
	1.89
Sq2	27
	1.06

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High Pressure Filter Housings / Complete Filters ■ Type SFZ

SFZ - 008 - G - 10 - B - B - P T 230 - R / X

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

① Type

High Pressure Filter for sandwich plate mounting **SFZ**

② Group

Flow **Size**
30 l/min / 8 US GPM **008**

Note: Exact flow will depend on the selected filter element.

③ Filter Material

Please note that the filter element is not protected by an internal bypass. Please be sure that the hydraulic system is designed with the sufficient means to protect the element.

Material	max. Δp *collapse	Micron ratings available	Code
Without filter element	-	-	O
Inorg. glass fibre	25 bar / 363 PSI	3, 5, 10, 20	G
Inorg. glass fibre	210 bar / 3045 PSI		H
Stainless fibre	210 bar / 3045 PSI		M
Stainless mesh	30 bar / 435 PSI	25, 50, 100, 200	S

Note: * Collapse/burst resistance as per ISO 2941.

④ Micron Rating

3 µm	03
5 µm	05
10 µm	10
20 µm	20
25 µm	25
50 µm	50
100 µm	100
200 µm	200

Note: Other micron ratings on request.

⑤ Sealing Material

NBR (Buna-N®)	B
FKM (Viton®)	V
EPDM	E

Note: Other sealing materials on request.

⑥ Connection Size

Connection Size	Group	Code
	008	
Nominal Bore	NG6* (Ref.: D03)	B

* ISO 4401-03-02-0-05 / DIN 24340-A6 / Cetop R 35 H

⑦ Clogging Indicator

Without clogging indicator	O
Visual, with automatic reset	A
Visual, with manual reset	V
Electrical	E
Electrical, Deutsch plug	ED
Visual-electrical	P
Double Visual-electrical	D024

⑧ Thermostop

Without thermostop	none
With thermostop	T

⑨ Voltage (only for Code P)

24 V DC	024
110 V AC	110
230 V AC	230

⑩ Design

Version right	R
Version left	L

⑪ Design Code

Only for information	X
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Filter Elements ■ Type SE

SE - 008 - G - 10 - B / X

① ② ③ ④ ⑤ ⑥

① Type

Filter Element Series **SE**

② Group

According to filter housing

③ Filter Material

Please note that the filter element is not protected by an internal bypass. Please be sure that the hydraulic system is designed with the sufficient means to protect the element.

Material	max. Δp *collapse	Micron ratings available	Code
Inorg. glass fibre	25 bar / 363 PSI	3, 5, 10, 20	G
Inorg. glass fibre	210 bar / 3045 PSI		H
Stainless fibre	210 bar / 3045 PSI		M
Stainless mesh	30 bar / 435 PSI	25, 50, 100, 200	S

* Collapse/burst resistance as per ISO 2941.

④ Micron Rating

3 µm	03
5 µm	05
10 µm	10
20 µm	20
25 µm	25
50 µm	50
100 µm	100
200 µm	200

Note: Other micron ratings on request.

⑤ Sealing Material

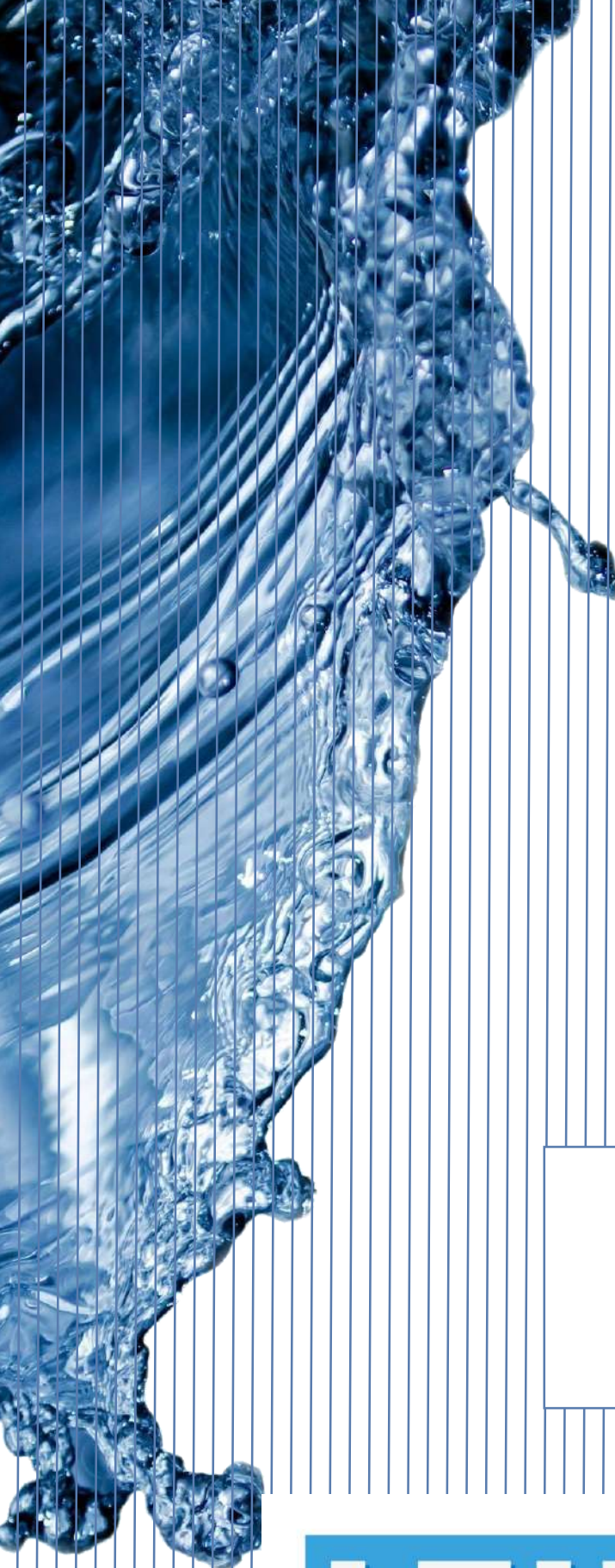
NBR (Buna-N®)	B
FKM (Viton®)	V
EPDM	E

Note: Other sealing materials on request.

⑥ Design Code

Only for information	X
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