



Area of Application:

Reservoir installation for direct suction line connection

Characteristics:

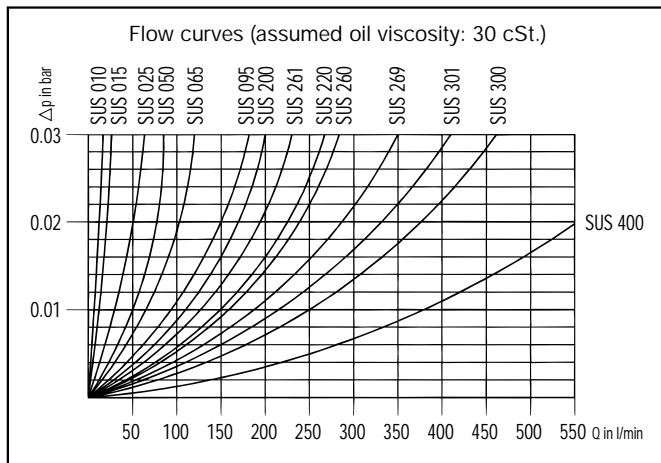
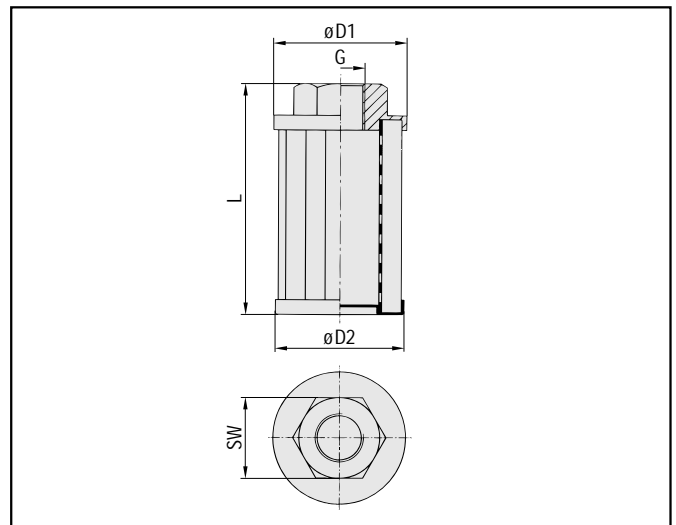
- suitable for mineral oil
- thread form: BSP
- threaded end caps made out of glass fibre reinforced polyamide or aluminium (see Technical Data)

STAUFF suction strainers SUS are available with NPT threads and/or with an integrated bypass on request.

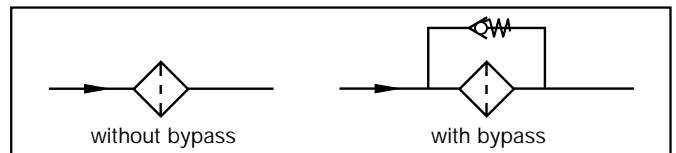
Technical Data

Temperature range: -20°C ... +100°C
 Flow range: 400 l/min max
 Connection thread sizes: G^{3/8} - G3
 Filtermedia: Stainless steel wire mesh
 Support tube material: Steel, zinc plated
 Threaded end cap material: glass fibre reinforced polyamide;
 SUS 220-B32-A ... : Aluminium
 Bypass opening pressure: 0,20 bar (bypass option on request)

Dimensions



Symbols



Ordering Code and Dimensional Table

SUS - 025 - B12 - P - O - 125

Type	
SUS	Suction Strainer

Micron Rating	
060	60 µm (on request)
125	125 µm (standard)
250	250 µm (on request)

Bypass Option	
0	no bypass (standard)
3	integrated bypass (0,2 bar / 3 PSI)

Size	Threaded end cap material	Q max	G	L	D1	D2	SW
010-B06-P	Plastic	10 l/min	G ^{3/8}	67	50	49	26
015-B08-P	Plastic	15 l/min	G ^{1/2}	102	50	49	26
025-B12-P	Plastic	25 l/min	G ^{3/4}	105	68	66	34
050-B16-P	Plastic	50 l/min	G1	140	68	66	42
065-B20-P	Plastic	65 l/min	G1 ^{1/4}	140	88	85	50
095-B24-P	Plastic	95 l/min	G1 ^{1/2}	140	88	85	60
200-B24-P	Plastic	200 l/min	G1 ^{1/2}	200	102	100	72
220-B32-A	Aluminium	220 l/min	G2	151	150	145	70
260-B32-P	Plastic	260 l/min	G2	260	102	100	72
261-B32-P	Plastic	210 l/min	G2	210	102	100	72
269-B32-P	Plastic	300 l/min	G2	300	102	100	72
300-B40-P	Plastic	300 l/min	G2 ^{1/2}	212	131	128	86
301-B40-P	Plastic	290 l/min	G2 ^{1/2}	210	131	128	86
400-B48-P	Plastic	400 l/min	G3	272	131	128	96



Area of Application: In-line or tank top installation

Characteristics / Technical Data:

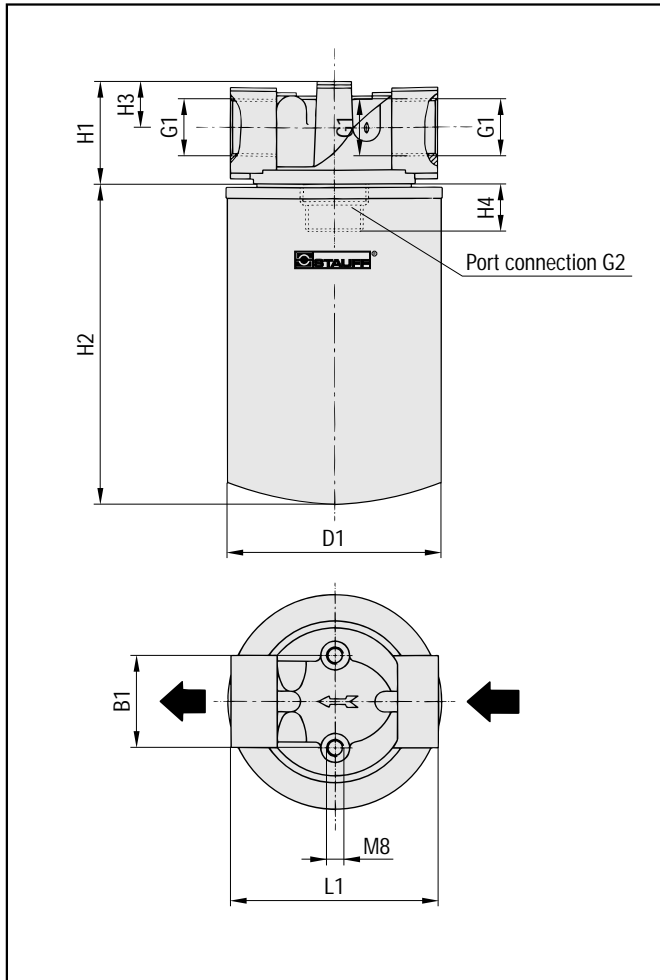
- suitable for hydraulic oil
- available as suction line or return line filter
- Temperature range: $-25^{\circ}\text{C} \dots +110^{\circ}\text{C}$
- max operating pressure: 12 bar
- burst pressure: 18 bar
- standard filter materials: paper; 10 μm , 25 μm
- opening pressure bypass valves: suction filters: 0,25 bar \pm 10%
return line filters: 1,70 bar \pm 10%
- standard seal material: NBR

Replacement filter elements are available with other micron ratings on request.

This chapter includes in particular:

Page	Topic	Notes
24	Characteristics / Technical Data	for all STAUFF Spin-On Filter series
24	Series SSF 12 / SSF 20	
25	Series SSF 24 / SSF 25	
26	Series SSFT 12 / SSFT 20	
26	Clogging indicators	for all STAUFF Spin-On Filter series
27	Replacement Elements	for all STAUFF Spin-On Filter series
27	Flow curves	for mostly required filter heads and replacement elements
28	Ordering Code	for complete filters and filter elements

Series SSF 12, SSF 20



Spin-On Filters for in-line assembly with one filter element.

Dimensional Table

Type	SSF12	SSF20
G1	G 3/4	G 1 1/4
G2	G 3/4	G 1 1/4 und 1 1/2 - 16 UNF (dual spigot)
D1	98	132
H1	44	61
H2	see element length for SFC35/36 (S.27)	see element length for SFC57/58 (S.27)
H3	22	29
H4	15	35
B1	38	50
L1	95	133

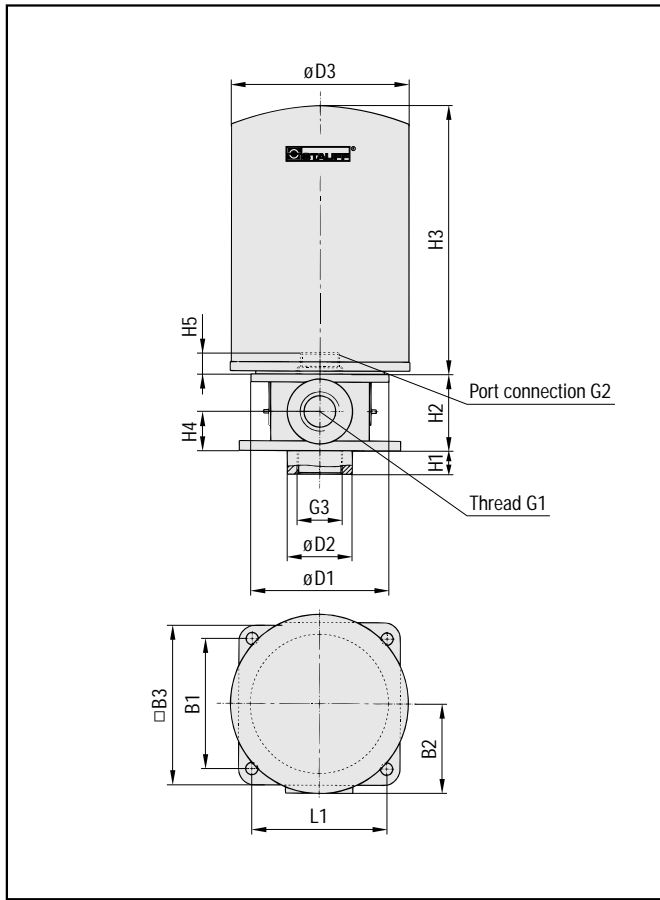
minimum clearance for element installation:
element length + 20 mm (SSF 12) / + 40 mm (SSF 20)

Styles available:

- SSF xx-R** Return line filter with bypass valve 1,7 bar
- SSF xx-S** Suction filter with bypass valve 0,25 bar
- SSF xx-N** Return line or suction filter without bypass

Details on elements, clogging indicators and ordering codes see pages 26 - 28.

Series SSFT 12, SSFT 20



Spin-On Filters for tank top assembly with one filter element.

Dimensional Table

Type	SSFT12	SSFT20
D1	76	135
D2	35	60
D3	98	132
G1	G 3/4	G 1 1/2
G2	G 3/4	G 1 1/4 und 1 1/2 - 16 UNF (dual spigot)
G3	G 3/4	G 1 1/2
H1	16	20
H2	50	73
H3	see element length for SFCT35/36 (S.27)	see element length for SFCT57/58 (S.27)
H4	25	50
H5	14	34
L1	70	100
B1	70	100
B2	50	70
B3	90	120

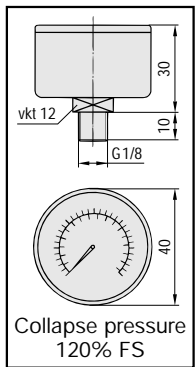
minimum clearance for element installation:
element length + 20 mm (SSFT 12) / + 40 mm (SSFT 20)

Styles available:

SSFT xx Return line filter

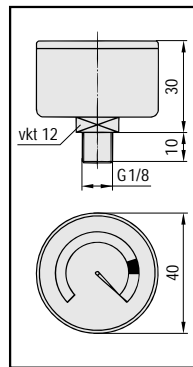
Details on elements, clogging indicators and ordering codes see pages 26 – 28.

Clogging indicators



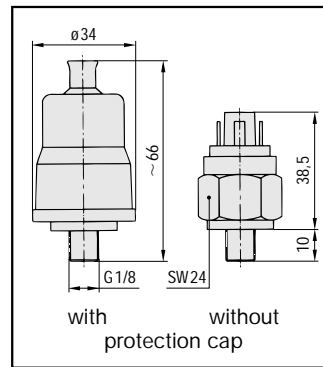
SIM

Function: Pressure gauge for return line filter
Pressure range:
SIM-12 0 - 12 bar
SIM-04 0 - 4 bar
SIM-02 0 - 2,5 bar



SIS

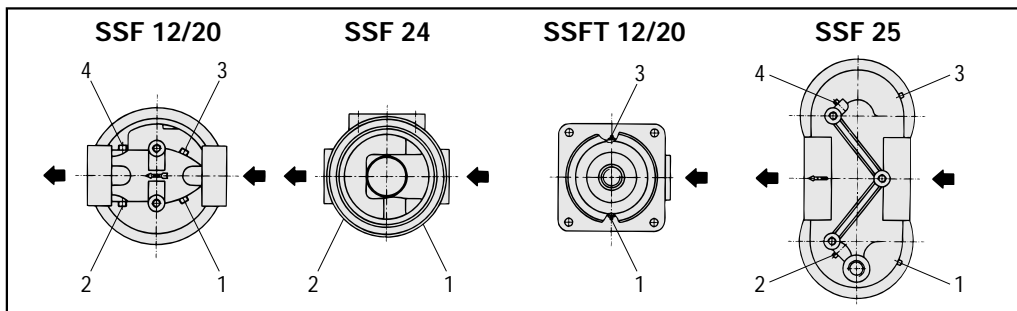
Function: Vacuum gauge for suction filters
Vacuum range: 0 - 76 cm HG



SIE-NO/SIE-NC

Function: Electrical pressure switch for return line filters
pick-up pressure: 1,3 bar
SIE-NO: "break contact" (standard contact "normally open")
SIE-NC: "make contact" (standard contact "normally closed")

Clogging indicator mounting instruction

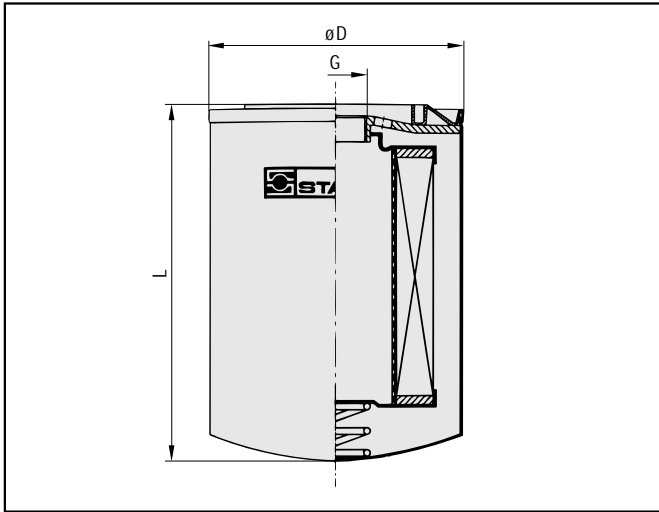


Technical Data SIE-NO and SIE-NC

max operating voltage: 48 V
max current (res.): 0,5 A
max current (ind.): 0,2 A
Materials
Membrane: NBR
Housing: Brass
Operating temperature: -5 ... +60°C
System of protection: IP54
max working pressure (static): 80 bar

Pos. No.	Mounting Position of clogging indicator	Filter type	Clogging indicator
1	filter entry; left handside	return line filter	pressure gauge SIM, electrical pressure switch SIE
2	filter exit; left handside	suction filter	vacuum gauge SIS
3	filter entry; right handside	return line filter	pressure gauge SIM, electrical pressure switch SIE
4	filter exit; right handside	suction filter	vacuum gauge SIS

Replacement elements

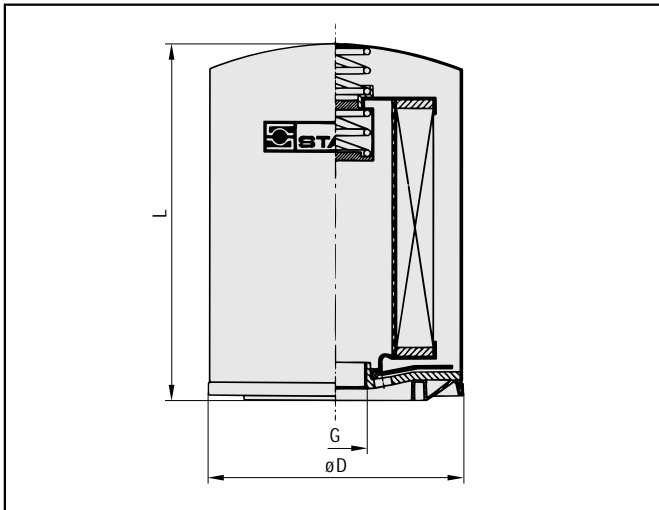


SFC elements for series SSF (in-line mounting)

Dimensional Table

Type	SFC-35	SFC-36	SFC-57	SFC-58
G	G 3/4	G 3/4	G 1 1/4	G 1 1/4
D	98	98	132	132
L	145	190	180	226

Details on ordering codes (single parts and combinations) see page 28.



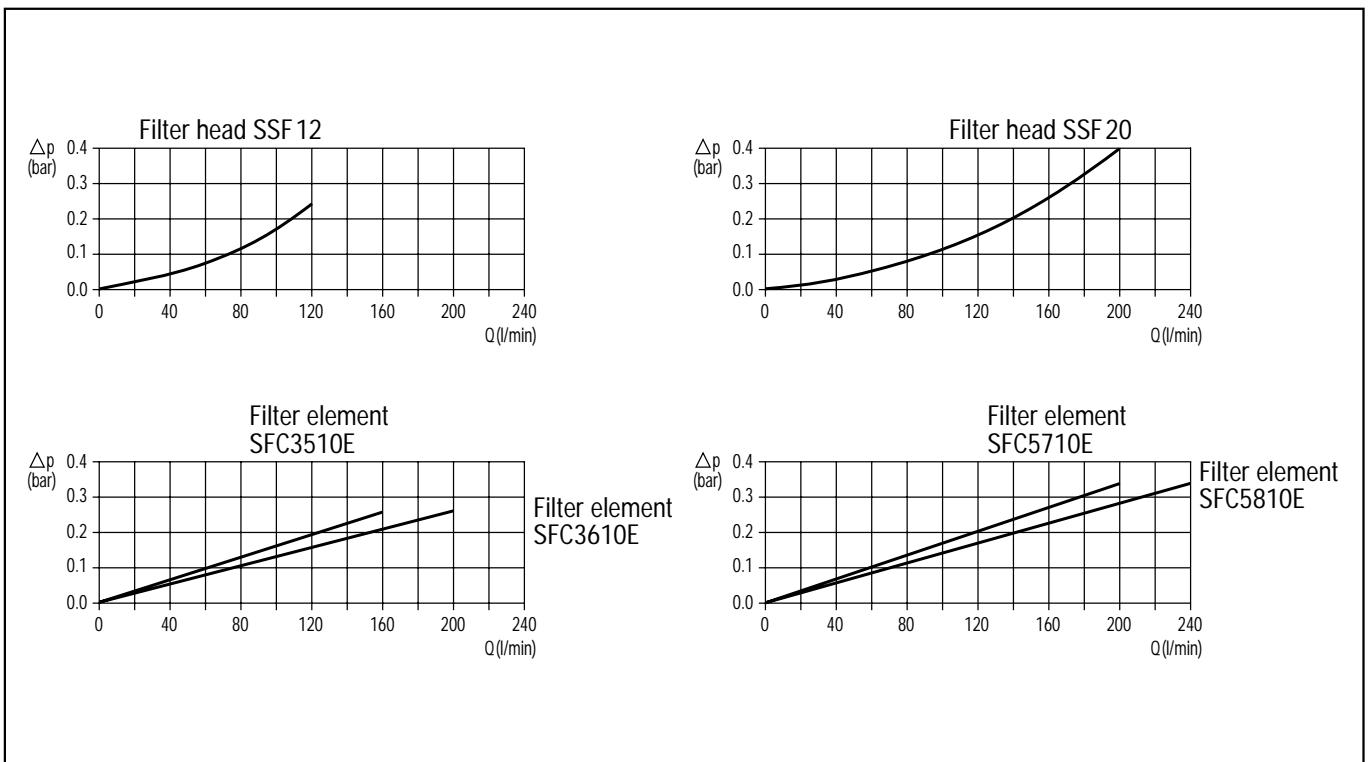
SFCT elements for series SSFT (tank top mounting)

Dimensional Table

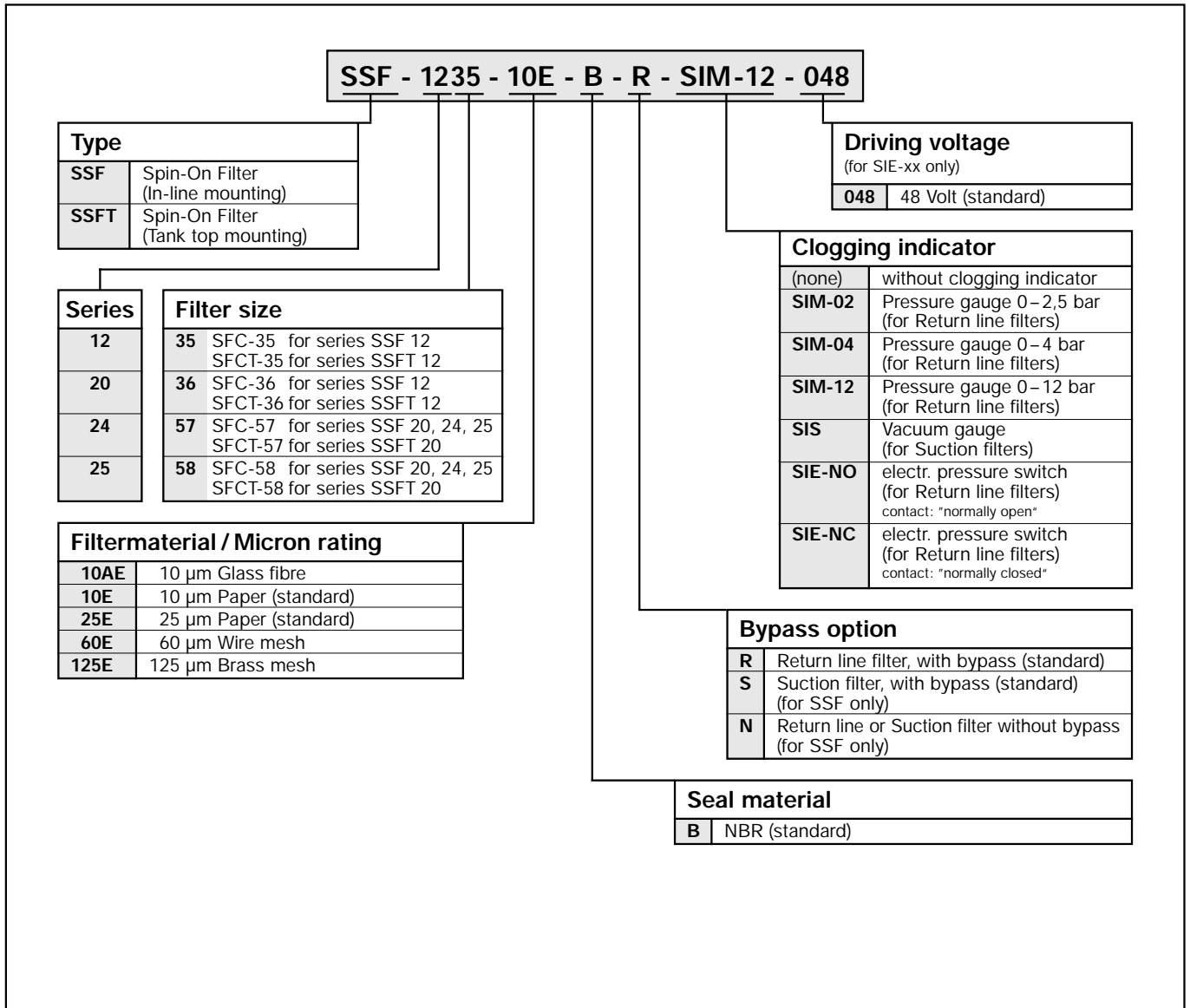
Type	SFCT-35	SFCT-36	SFCT-57	SFCT-58
G	G 3/4	G 3/4	G 1 1/4	G 1 1/4
D	98	98	132	132
L	145	190	180	226

Details on ordering codes (single parts and combinations) see page 28.

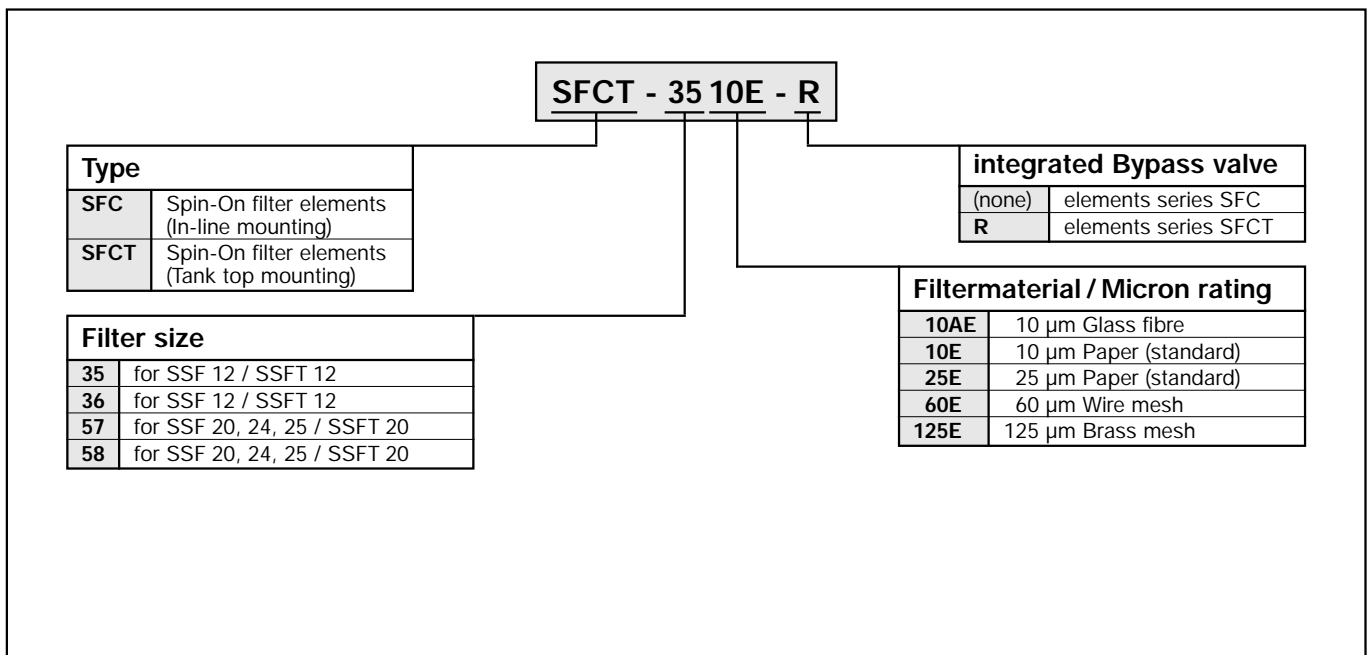
Flow curves (l/min) – assumed oil viscosity: 30 cSt.



Ordering Code for complete filters



Ordering Code for filter elements





Area of Application:

Foaming and noise reduction in tanks

Characteristics:

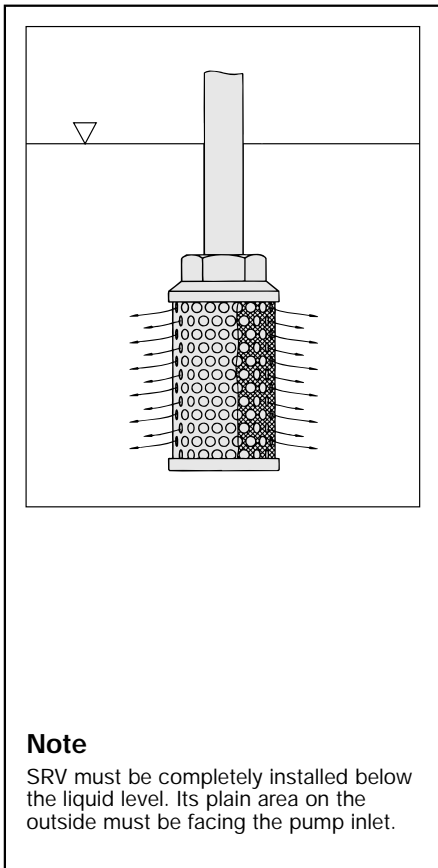
- suitable for mineral oil
- reduce fluid aeration
- silencing
- standard thread form: BSP
- consist of two concentric tubes with discharge holes

STAUFF-Diffusers SRV are available with NPT threads on request.

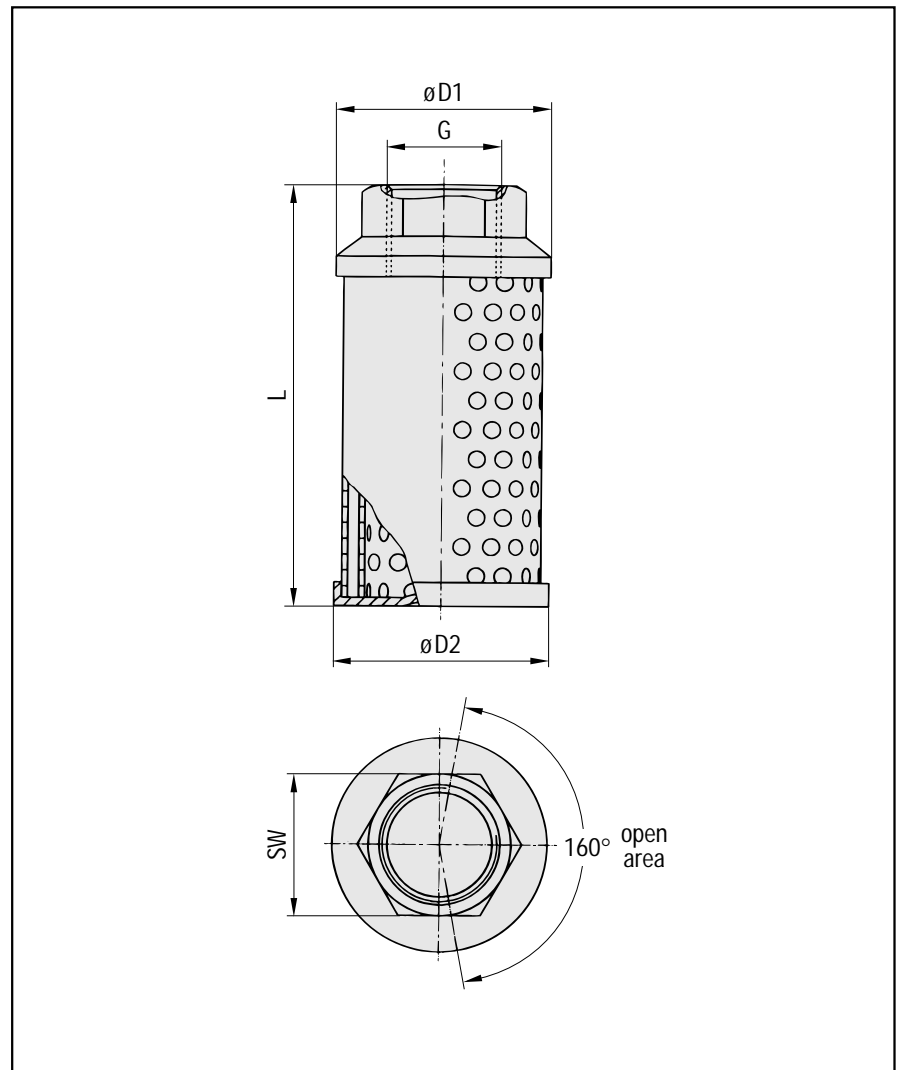
Technical Data

Temperature range: -20°C ... +100°C
 Flow range: 950 l/min max
 Connection thread sizes: G^{3/4} – G3
 End cap material: Aluminium
 Body material: Steel, zinc plated

Example of Application SRV



Dimensions



Ordering Code and Dimensional Table

Type	Q max	G	L	D1	D2	SW
SRV-050-B12	50 l/min	G ^{3/4}	109	64	60	36
SRV-114-B16	114 l/min	G1	139	64	60	46
SRV-200-B20	200 l/min	G1 ^{1/4}	139	86	82	60
SRV-227-B24	227 l/min	G1 ^{1/2}	200	86	82	60
SRV-454-B32	454 l/min	G2	260	86	82	70
SRV-650-B40	650 l/min	G2 ^{1/2}	211	150	145	90
SRV-950-B48	950 l/min	G3	272	150	145	100