



FILTRATION TECHNOLOGY

2003

STAUFF



Spin On Filters

Quality and Service
Worldwide

Australia
 Stauff Corporation (Pty.) Ltd.
 P.O.Box 227 , 24-26 Doyle Avenue,
 Unanderra Wollongong , N.S.W
 2526 AUSTRALIA
 Tel: +61 2 42 71 18 77
 Fax: +61 2 42 71 84 32

Brazil
 Stauff Brasil Ltda.
 Av. Gupê 10767
 Galpão 2 – Bloco A
 Barueri – São Paulo – CEP 06422-120, BRAZIL
 Tel: +55 (0)11-4789-9020
 Fax: +55 (0)11-4789-9021

Canada
 Stauff Canada Ltd.
 866 Milner Avenue
 Scarborough , Ontário M1B 5N7 , CANADA
 Tel: +1 416 282 46 08
 Fax: +1 416 282 30 39

China
 Stauff International Trading (Shanghai) Co., Ltd.
 Shangdian Mansion, Pudong
 331 , Binzhou Road
 200126 Shanghai, CHINA
 Tel: +86 21 58 45 65 60
 Fax: +86 21 58 45 66 80

France
 Stauff S.A.
 Z.I. de Vineuil-Blois Sud
 230, Avenue du Grain d'Or
 41354 Vineuil-cedex, FRANCE
 Tel: +33 2 54 50 55 50
 Fax: +33 2 54 42 29 19

India
 Stauff India Pvt. Ltd.
 Gat. No. 2340,
 Pune-Nagar Road, Wagholi, INDIA
 IND-Pune - 412027
 Tel: +91 20 705 19 90
 Fax: +91 20 705 19 89

Italy
 Stauff Italia S.R.L.
 Via Pola 21/23, I-20034
 Birone di Giussano, ITALY
 Tel: +39 0362 31 21 13
 Fax: +39 0362 33 55 36

New Zealand
 Stauff Corporation (NZ) Ltd.
 Unit J. 150 Harris Road, P.O. Box 58517
 Greenmount Auckland-NEW ZEALAND
 Tel: +64 9 271 4812
 Fax: +64 9 271 4832

United Kingdom
 Stauff UK Ltd.
 332, Coleford Road Darnall
 Sheffield, S 9 5 P H, ENGLAND
 Tel: +44 1142 518 518
 Fax: +44 1142 518 519

USA
 Stauff Corporation
 7 Wm. Demarest Place
 Waldwick, NJ – 07463, USA
 Tel: +1 201 444 78 00
 Fax: +1 201 444 78 52

**Distributors and warehouses
 in all industrial countries.**

Walter Stauffenberg GmbH & Co. KG

P. O. Box 1745 · D-58777 Werdohl · Germany
 Im Ehrenfeld 4 · D-58791 Werdohl · Germany
 Tel.: +49 (0) 23 92 9 16-0
 Fax: +49 (0) 23 92 25 05
 E-mail: sales@stauff.com
 Internet: http://www.stauff.com

Stauff Filtration Technology

Stauff Filtration Technology offers a complete range of filtration products and services that will provide the system designer or user with the highest level of contamination control demanded by today's most sophisticated applications. Products include pressure filters, return line filters, elements, spin on filters suction strainers, and filler breathers for various hydraulic, lubrication and fuel oils.

Stauff has the technical expertise to provide superior filter element designs for the Stauff original filter housings and also for the interchange element market. Stauff manufactures more than 10,000 different elements. Many of these are designed to fit into filter housings produced by other companies while maintaining or surpassing the original performance.

The "Stauff Contamination Control Program" includes the diagnostic services including fluid sampling and laser particle counting products needed to monitor the system contamination level.

Stauff, through its global network of wholly owned companies and technically qualified distributors, is ideally placed to assist its customers in the total contamination process providing a well balanced filtration solution.

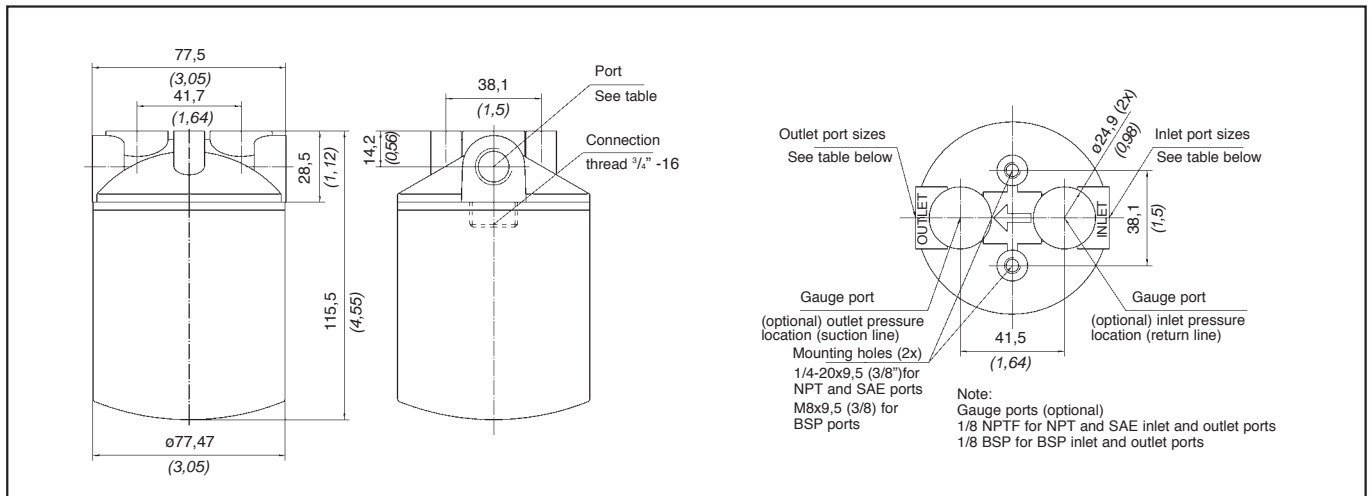
Spin-On Filters	Page
Spin On Heads	
SLF Series	3
SAF Series	4,5
SSF Series	6...9
SSFT Series	10,11
Spin On Elements	
SF 6300 Series	12
SF 6500 Series	13,14
SF 6700 Series	15...18
SFC 35/36 Series	19
SFCT 57/58 Series	20,21
Filter Indicators	
Clogging Indicators	22
Appendix	
Quick Reference Guide	23



Technical Specification

Construction	Die cast aluminium head
Seals	NBR (Buna-N®)
Port connections	BSP, NPT, or SAE "O"-Ring thread
Flow rate	26 l/min (7 US GPM) for return line, 7 l/min (2 US GPM) for suction line applications
Working pressure	14 bar (200 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
By-pass valve	Built into the element
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable see page 22
Elements	For use with SF6300 series elements For element types and flow characteristics see page 12
Media	Mineral oils, other fluids on request

Dimensions



Dimensions in mm (inch)

Ordering Code

SLF 02 0

Filter type	SLF	
Port options		
Code	Connection Style	
02B	BSP	G ¹ / ₄
02	NPT	1/4 NPT
03B	BSP	G ³ / ₈
03	NPT	3/8 NPT
04	SAE	9/16 -18 UN

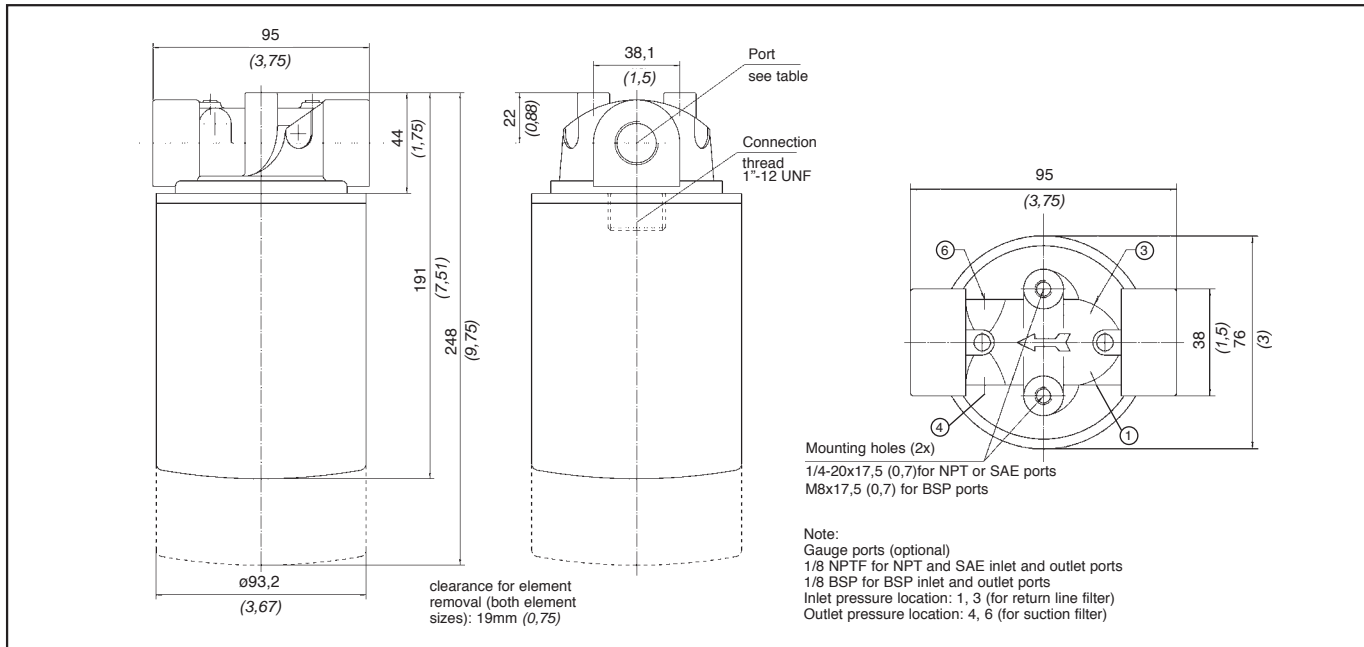
Indicator port options	
Code	Description
0	No indicator port
1	Gauge port drilled-return
2	Gauge port drilled-suction
4	All gauge ports drilled
9	Special
Note: Standard gauge port for BSP connection port is G 1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF	

Technical Specification



Construction	Die cast aluminium head
Seals	NBR (Buna-N®)
Port connections	BSP, NPT, or SAE "O"-Ring thread
Flow rate	90 l/min (25 US GPM) for return line, 23 l/min (6 US GPM) for suction line applications
Working pressure	14 bar (200 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
By-pass valve	Built into the head
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable see page 22
Elements	For use with SF6500 series elements For element types and flow characteristics see pages 13...14
Media	Mineral oils, other fluids on request

Dimensions



Ordering Code

SAF 07 25 0

Filter type	SAF
Port options	
Code	Connection Style
05B	BSP G ¹ / ₂
05	NPT 1/2 NPT
06	SAE 3/4-16 UN
07B	BSP G ³ / ₄
07	NPT 3/4 NPT
11	SAE 1 1/16-12 UN

By-pass options	
Code	Description
00	No by-pass
03	0,2 bar (3 PSI)
05	0,33 bar (5 PSI)
15	1 bar (15 PSI)
25	1,7 bar (25 PSI)

Indicator port options	
Code	Description
0	No indicator port
1	Gauge pot drilled-return
2	Gauge port drilled-suction
4	All gauge ports drilled
9	Special

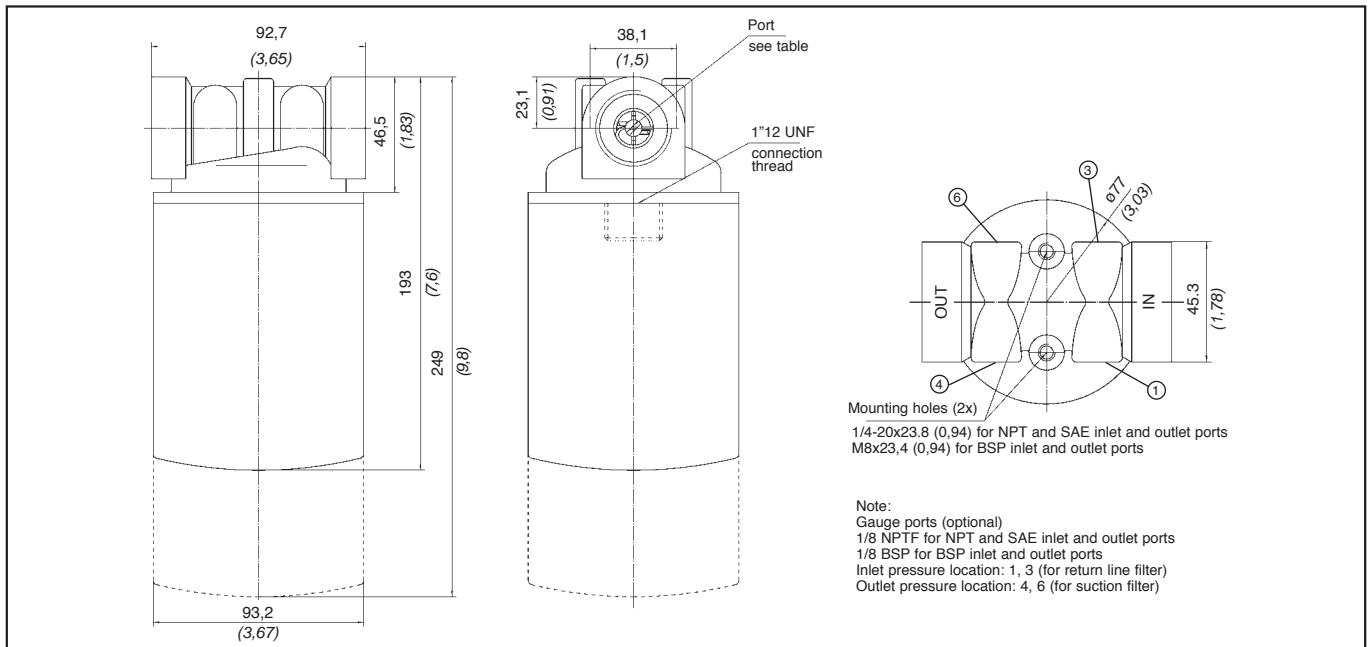
Note: Standard gauge port for BSP connection port is G1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF

Technical Specification



Construction	Die cast aluminium head
Seals	NBR (Buna-N®)
Port connections	BSP, NPT, or SAE "O"-Ring thread
Flow rate	128 l/min (34 US GPM) for return line, 30 l/min (8 US GPM) for suction line applications
Working pressure	14 bar (200 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
By-pass valve	Built into the head
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable see page 22
Elements	For use with SF6500 series elements For element types and flow characteristics see pages 13...14
Media	Mineral oils, other fluids on request

Dimensions



Ordering Code

SAF 10 25 0

Filter type	SAF
-------------	-----

Port options		
Code	Connection Style	
10B	BSP	G1
10	NPT	1 NPT
13	SAE	1 ⁵ / ₁₆ -12 UN

By-pass options	
Code	Description
00	No by-pass
03	0,2 bar (3 PSI)
05	0,33 bar (5 PSI)
15	1 bar (15 PSI)
25	1,7 bar (25 PSI)

Indicator port options	
Code	Description
0	No indicator port
1	Gauge port drilled-return
2	Gauge port drilled-suction
4	All gauge ports drilled
9	Special

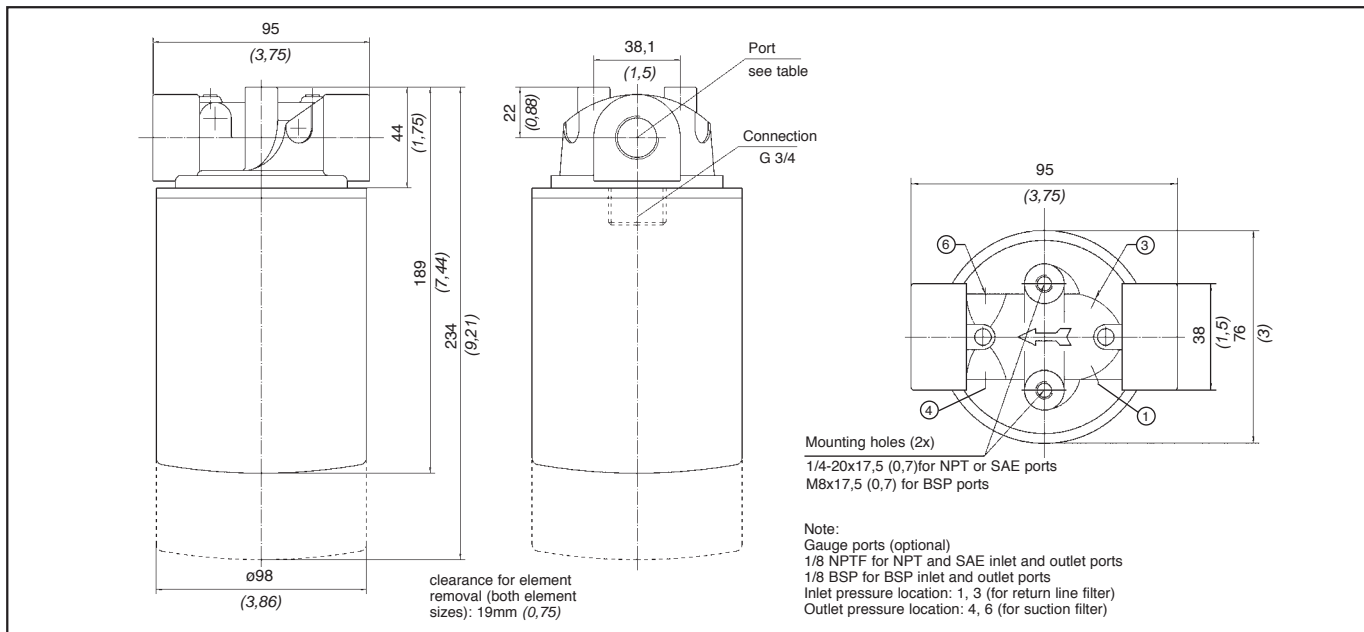
Note: Standard gauge port for BSP connection port is G1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF

Technical Specification



Construction	Die cast aluminium head
Seals	NBR (Buna-N®) seals
Port connections	BSP, NPT, or SAE "O"-Ring threaded
Flow rate	90 l/min (25 US GPM) for return line, 23 l/min (6 US GPM) for suction line applications
Working pressure	12 bar (174 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
By-pass valve	Built into the head
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable see page 22
Elements	For use with SFC35/36 series elements For element types and flow characteristics see pages 19...21
Media	Mineral oils, other fluids on request

Dimensions



Dimensions in mm (inch)

Ordering Code

SSF 12 25 0

Filter type	SSF	
Port options		
Code	Connection Style	
12	BSP	G ³ / ₄
12N	NPT	³ / ₄ NPT

By-pass options	
Code	Description
00	No by-pass
03	0,2 bar (3 PSI)
05	0,33 bar (5 PSI)
15	1 bar (15 PSI)
25	1,7 bar (25 PSI)

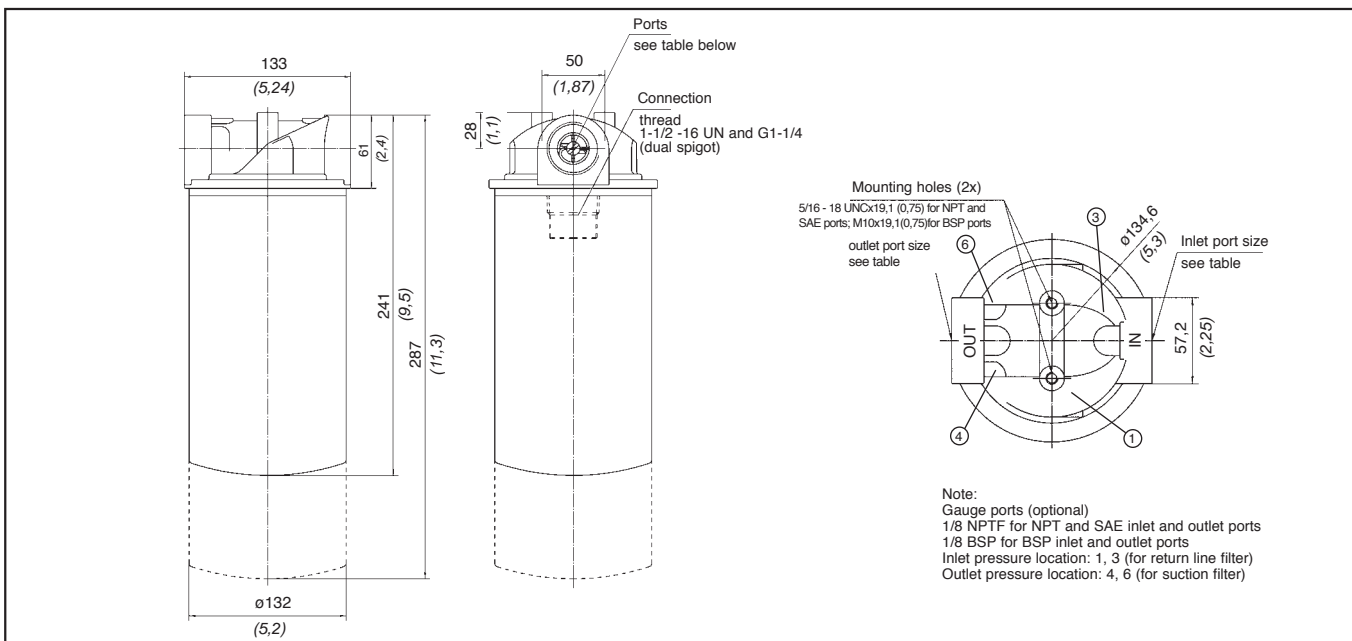
Indicator port options	
Code	Description
0	No indicator port
1	Gauge port drilled-return
2	Gauge port drilled-suction
4	All gauge ports drilled
9	Special
Note: Standard gauge port for BSP connection port is G1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF	

Technical Specification



Construction	Die cast aluminium head
Seals	NBR (Buna-N®)
Port connections	BSP, NPT, or SAE "O"-Ring thread
Flow rate	225 l/min (60 US GPM) for return line, 46 l/min (12 US GPM) for suction line applications
Working pressure	14 bar (200 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
By-pass valve	Built into the head
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable see page 22
Elements	For use with SF6700 and SFC57/58 series elements For element types and flow characteristics see pages 15...18 for SF6700 see pages 20...21 for SFC57/58
Media	Mineral oils, other fluids on request

Dimensions



Dimensions in mm (inch)

Ordering Code

SSF 120 25 0

Filter type	SSF	
Port options		
Code	Connection Style	
100	NPT	1 NPT
100B	BSP	G 1
20L	BSP	G1 1/4
120L	NPT	1 1/4 NPT
120	NPT	1 1/4 NPT
130	SAE	1 5/16 -12 UN
160	SAE	1 5/8 -12 UN
Note: SSF-20L and SSF-120L filters use a wide cut or "L" shaped element seal. All others use a thin cut element seal		

By-pass options	
Code	Description
00	No by-pass
03	0,2 bar (3 PSI)
05	0,33 bar (5 PSI)
15	1 bar (15 PSI)
25	1,7 bar (25 PSI)

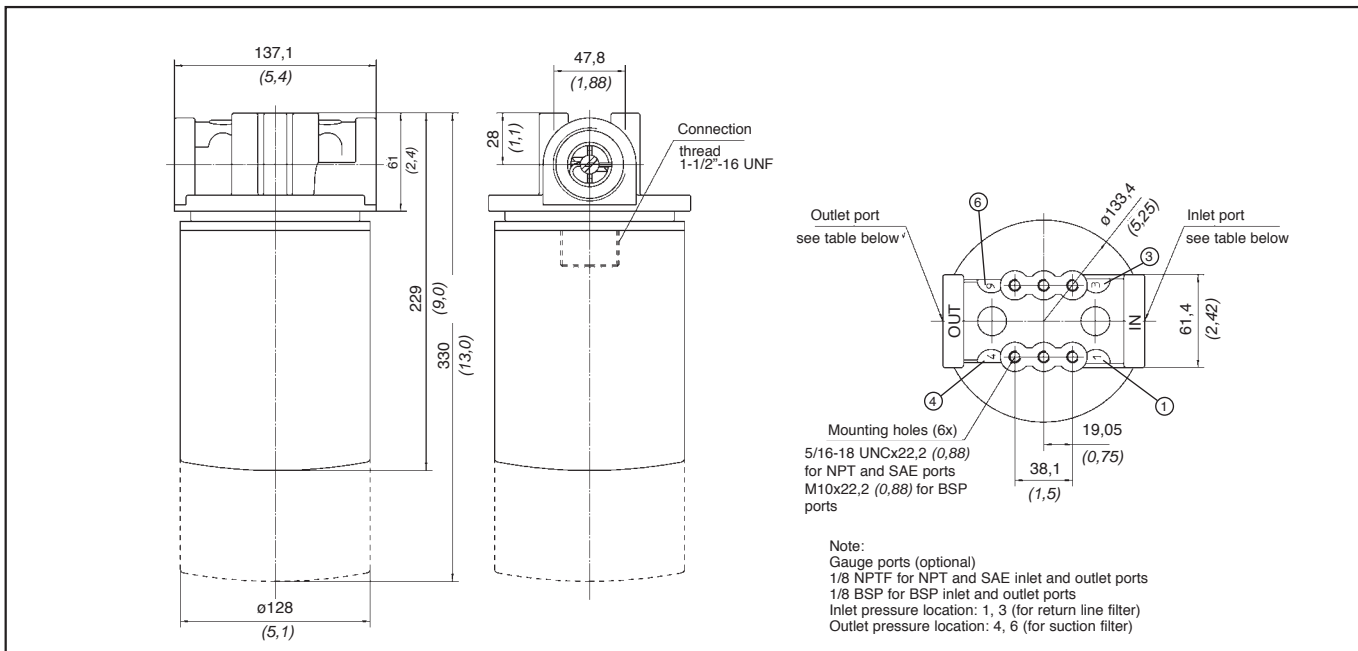
Indicator port options	
Code	Description
0	No indicator port
1	Gauge port drilled-return
2	Gauge port drilled-suction
4	All gauge ports drilled
9	Special
Note: Standard gauge port for BSP connection port is G1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF	

Technical Specification



Construction	Die cast aluminium head
Seals	NBR (Buna-N®)
Port connections	BSP, NPT, or SAE "O"-Ring thread
Flow rate	300 l/min (80 US GPM) for return line, 113 l/min (30 US GPM) for suction line applications
Working pressure	14 bar (200 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
By-pass valve	Built into the head
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable see page 22
Elements	For use with SF6700 series elements For element types and flow characteristics see pages 15...18
Media	Mineral oils, other fluids on request

Dimensions



Dimensions in mm (inch)

Ordering Code

SSF 150 25 0

Filter type	SSF
-------------	-----

Port options		
Code	Connection Style	
150	NPT	1 1/2 NPT
150B	BSP	G1 1/2
180	SAE	1 7/8-12 UN

Note: SSF 150, 150B and 180 filters use a wide cut or "L" shaped element seal.

By-pass options	
Code	Description
00	No by-pass
03	0,2 bar (3 PSI)
05	0,33 bar (5 PSI)
15	1 bar (15 PSI)
25	1,7 bar (25 PSI)

Indicator port options	
Code	Description
0	No indicator port
1	Gauge port drilled-return
2	Gauge port drilled-suction
4	All gauge ports drilled
9	Special

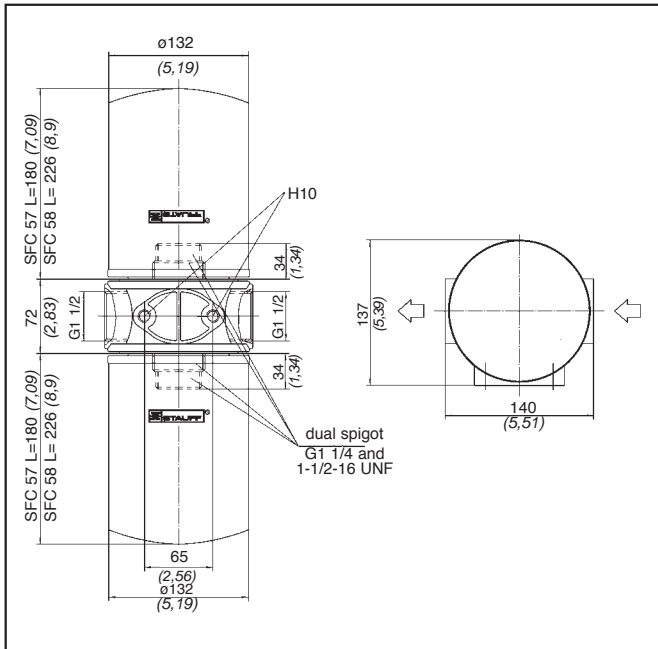
Note: Standard gauge port for BSP connection port is G1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF



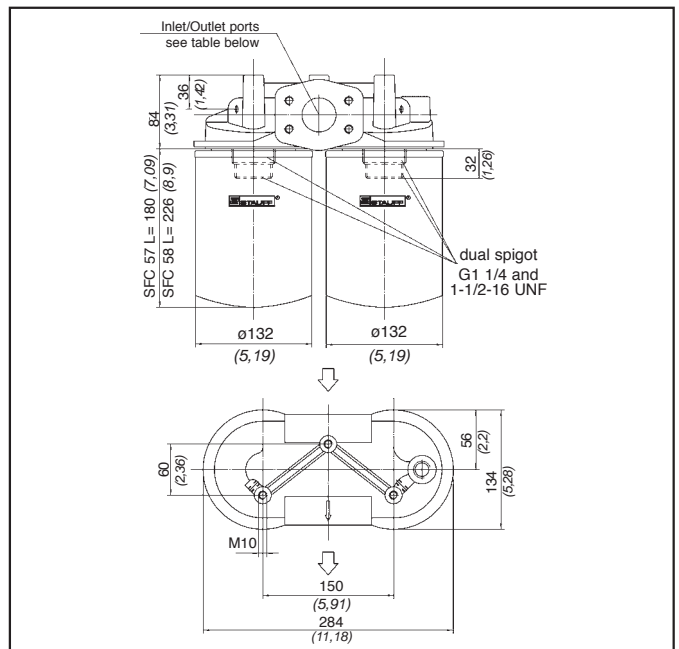
Technical Specification

Construction	Die cast aluminium head
Seals	NBR (Buna-N®)
Port connections	BSP, NPT, or SAE flange
Flow rate	454 l/min (120 US GPM) for return line, 132 l/min (35 US GPM) for suction line applications
Working pressure	12 bar (174 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-30°C to +100°C (-22°F to 212°F)
By-pass valve	Built into the head
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable See page 22
Elements	For use with SF6700 and SFC57/58 series elements For element types and flow characteristics see pages 15..18 for SF6700 see pages 20...21 for SFC57/58
Media	Mineral oils, other fluids on request

Dimensions SSF 24



Dimensions SSF 25



Dimensions in mm (inch)

Ordering Code

Filter type	SSF
-------------	-----

SSF 24N 25 0

Port options		
Code	Connection Style	
24B	BSP	G1 1/2
24N	NPT	1 1/2 NPT
24S	SAE	1 7/8-12 UN
25	NPT&SAE Flange	1 1/2 NPT & 2" SAE Code 61 Flange
25B	BSP&SAE Flange	G1 1/4 & 1 1/2" SAE Code 61 Flange

Note: SSF-24 and SSF-25 filters use a wide cut or "L" shaped element seal.

By-pass options	
Code	Description
00	No by-pass
03	0,2 bar (3 PSI)
05	0,33 bar (5 PSI)
15	1 bar (15 PSI)
25	1,7 bar (25 PSI)

Indicator port options	
Code	Description
0	No indicator port
1	Gauge port drilled-return
2	Gauge port drilled-suction
4	All gauge ports drilled
9	Special

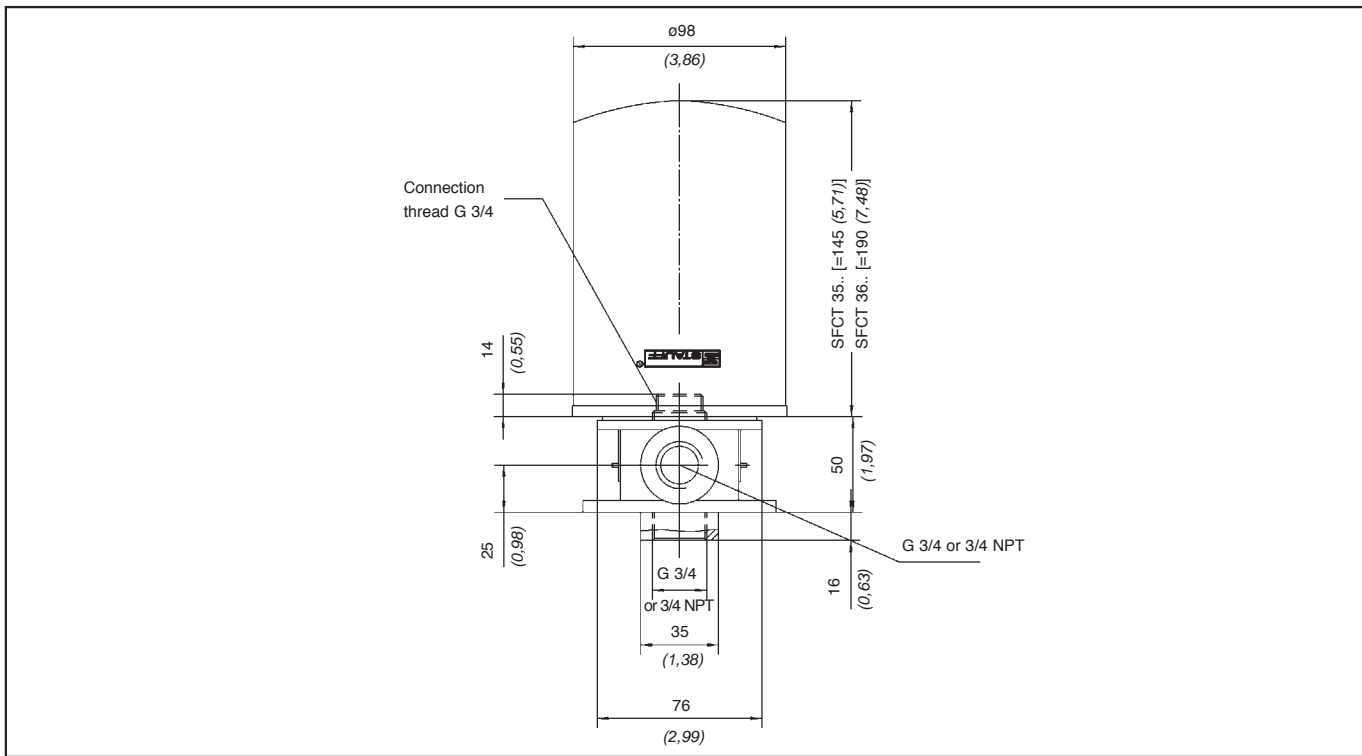
Note: Standard gauge port for BSP connection port is G1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF



Technical Specification

Construction	Die cast aluminium head
Seals	NBR (Buna-N®)
Port connections	BSP and NPT
Flow rate	75 l/min (20 US GPM)
Working pressure	7 bar (100 PSI) working pressure
Operating temperature	-30°C to +100°C (-22°F to 212°F)
By-pass valve	1 bar (15 PSI) by-pass in filter element
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable see page 22
Elements	For use with SFT35/36 series elements For element types and flow characteristics see pages 19...21
Media	Mineral oils, other fluids on request

Dimensions



Dimensions in mm (inch)

Ordering Code

SSFT 12 1

Filter type	SSFT	
Port options		
Code	Connection Style	
12B	BSP	G 3/4
12	NPT	3/4 NPT

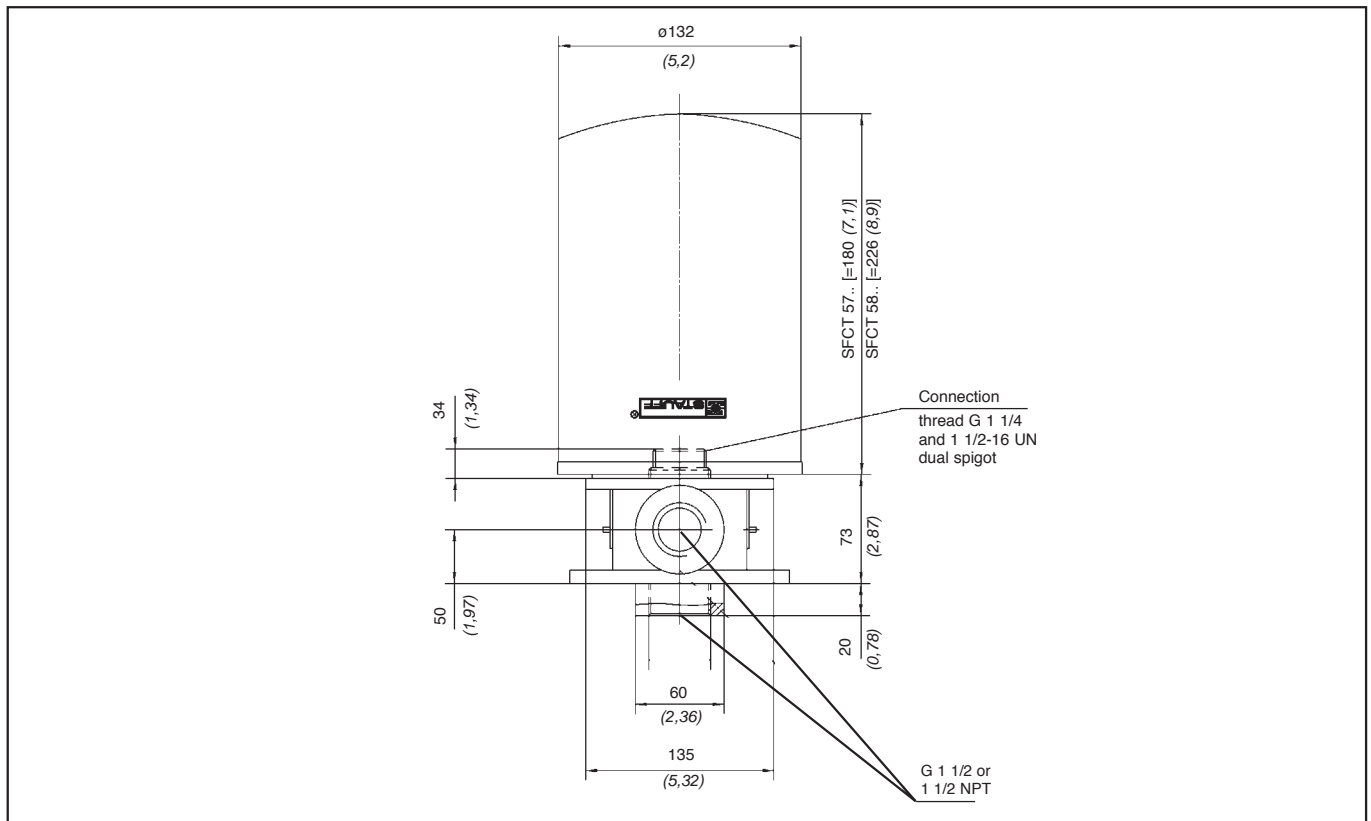
Indicator port options	
Code	Description
0	No indicator port
1	Gauge port drilled-return
9	Special
Note: Standard gauge port for BSP connection port is G1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF	

Technical Specification



Construction	Die cast aluminium head
Seals	NBR (Buna-N®)
Port connections	BSP and NPT
Flow rate	200 l/min (53 US GPM)
Working pressure	7 bar (100 PSI) working pressure
Operating temperature	-30°C to +100°C (-22°F to 212°F)
By-pass valve	1 bar (15 PSI) by-pass in filter element
Clogging indicators	Gauge indicator with colored segments Electrical 0.35...2.5 bar (5...35 PSI) adjustable see page 22
Elements	For use with SFT57/58 series elements For element types and flow characteristics see pages 20...21
Media	Mineral oils, other fluids on request

Dimensions



Dimensions in mm (inch)

Ordering Code

SSFT 20 1

Filter type	SSFT	
Port options		
Code	Connection Style	
20B	BSP	G 1 1/2
20	NPT	1 1/2 NPT

Indicator port options	
Code	Description
0	No indicator port
1	Gauge port drilled-return
9	Special
Note: Standard gauge port for BSP connection port is G1/8. Standard gauge port for NPT and SAE connection port is 1/8 NPTF	





Technical Specification

Stauff SF6300 series spin-on elements are used with the Stauff SLF spin on filters.

Seals	NBR (Buna-N®)
Working pressure	14 bar (200 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
By-pass valve	Built into the element
Media	Mineral oils, other fluids on request

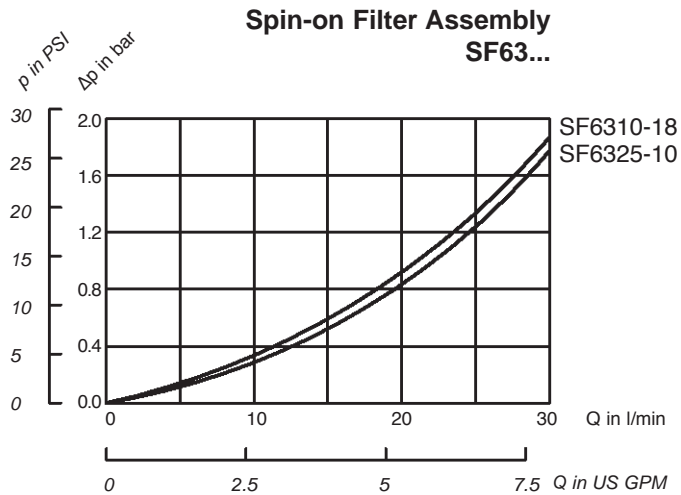
Dimensions and Ordering Code

	Paper	
	SF 6310-18	SF 6325-10
		
Diameter	77,47 (3,05)	77,47 (3,05)
Length	88,65 (3,49)	88,65 (3,49)
Element Thread	3/4-16 UNF	3/4-16 UNF
Beta Ratio	β10 ≥ 2	β25 ≥ 2
Dirt Holding ACFTD (g)	6	6
Filtration Area	825,2 cm ² (127,9 in ²)	825,2 cm ² (127,9 in ²)
By-pass setting	1,24 bar (18 PSI)	0,7 bar (10 PSI)
Maximum Working Pressure	14 bar (200 PSI)	14 bar (200 PSI)
Carton Quantity	12	12
Carton Weight	3,6 kg (8 lb)	3,6 kg (8 lb)

Flow Characteristics

The following characteristics are valid for mineral oils with a density of 0,85 kg/dm³ and the kinematic viscosity of 30 mm²/s. The characteristics have been determined in accordance to ISO 3968.

Average pressure drop through a clean filter assembly.




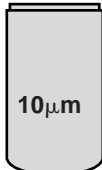

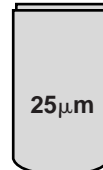


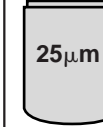



Stauff SF6500 series spin-on elements are used with the Stauff SAF series spin on filters.

Technical Specification

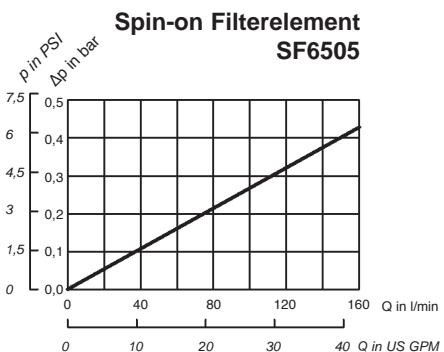
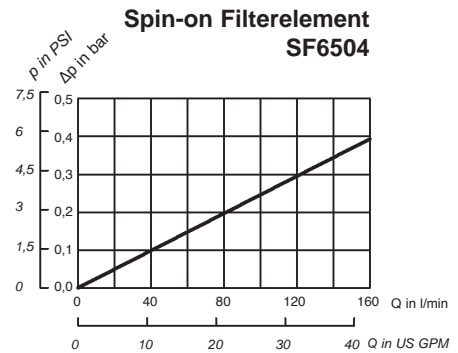
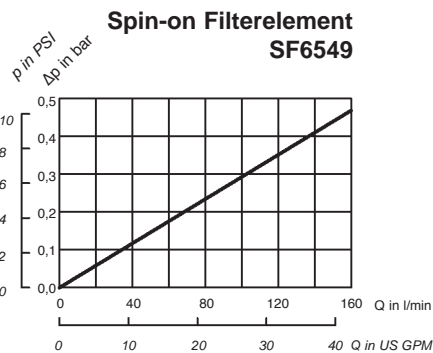
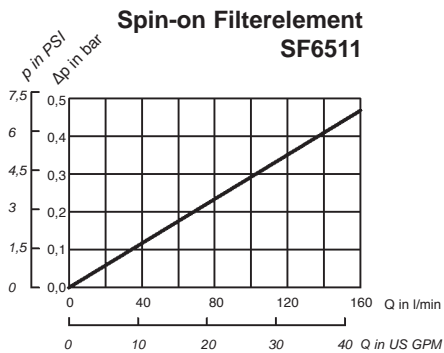
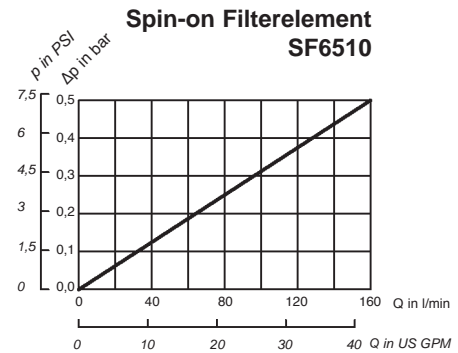
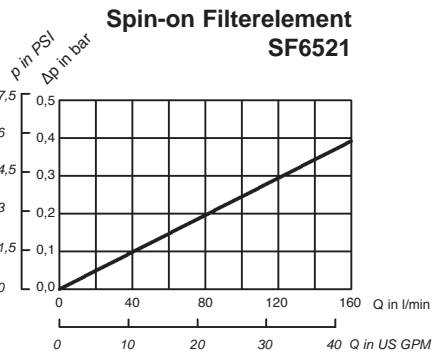
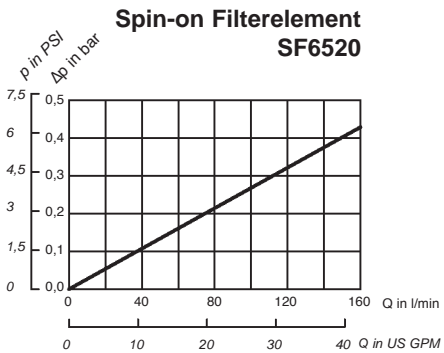
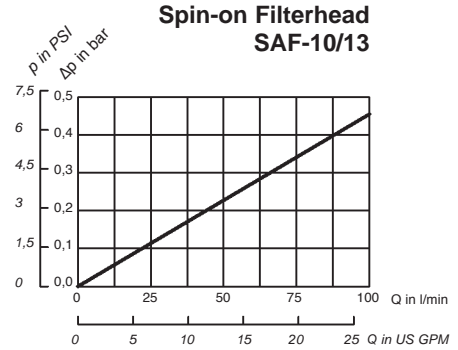
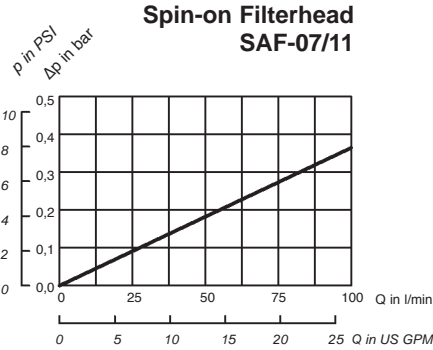
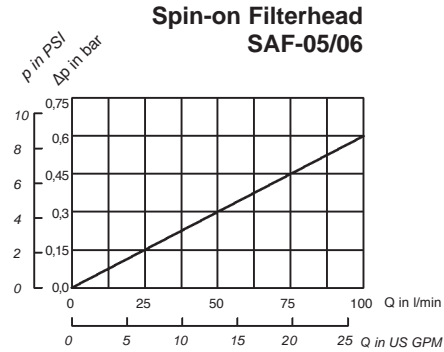
Seals	NBR (Buna-N®) seals
Working pressure	14 bar (200 PSI) working pressure, maximum pressure differential of 5.5 bar (80 PSI) for any application with no bypass valve
Operating temperature	-32°C to 100°C (-25°F to 212°F)
Media	Mineral oils, other fluids on request

Dimensions and Ordering Code

	Paper				Microglass			Water Absorbing
	SF 6520	SF 6521	SF 6510	SF 6511	SF 6549	SF 6505	SF 6504	SF 6520-W
								
Diameter	93.2 (3.67)	93.2 (3.67)	93.2 (3.67)	93.2 (3.67)	93.2 (3.67)	93.2 (3.67)	93.2 (3.67)	93.2 (36.7)
Length	146.3 (5.76)	203.2 (8.00)	146.3 (5.76)	203.2 (8.00)	146.3 (5.76)	146.3 (5.76)	146.3 (5.76)	133 (5.25)
Element Thread	1-12 UNF	1-12 UNF	1-12 UNF	1-12 UNF	1-12 UNF	1-12 UNF	1-12 UNF	1-12 UNF
Beta Ratio	β10 ≥ 2	β10 ≥ 2	β25 ≥ 2	β25 ≥ 2	β3 ≥ 75	β12 ≥ 75	β25 ≥ 75	β10 ≥ 2
Dirt Holding Capacity ACFTD (g)	14.4	22	20.4	31.2	19	11	26	Water holding capacity 162 ml (5.5 oz)
Filtration Area	2303 cm ² (357.5 in ²)	3881 cm ² (601.7 in ²)	2212 cm ² (342.9 in ²)	3388 cm ² (525.1 in ²)	2519 cm ² (390.4 in ²)	2405 cm ² (372.7 in ²)	2405 cm ² (372.7 in ²)	1225 cm ² (190 in ²)
Maximum Working Pressure	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	6.9 bar (100 PSI)
Carton Quantity	12	12	12	12	12	12	12	12
Carton Weight	6.3 kg (13.9 lb)	8.4 kg (18.5 lb)	6.4 kg (14.2 lb)	8.8 kg (19.4 lb)	8.6 kg (19 lb)	8.6 kg (19 lb)	8.6 kg (19 lb)	8.6 kg (19 lb)

Flow Characteristics

The following characteristics are valid for mineral oils with a density of 0,85 kg/dm³ and the kinematic viscosity of 30 mm²/s. The characteristics have been determined in accordance to ISO 3968.










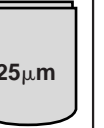



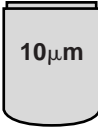

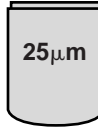

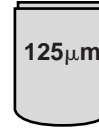


Technical Specification

Stauff SF6700 series spin-on elements are used with the Stauff SSF 20, 24, 25, 100, 120, 130, 160, 150, and 180, series spin on filters.

Seals	NBR (Buna-N®)
Working pressure	14 bar (200 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
Media	Mineral oils, other fluids on request

Dimensions and Ordering Code

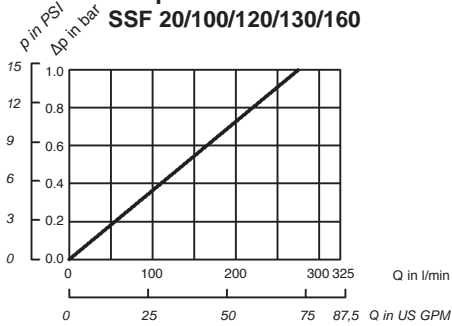
	Microglass								
	SF 6702-MG	SF 6703-MG	SF 6704-MG	SF 6706-MG	SF 66707-MG	SF 6730-MG	SF 6731-MG	SF 6728-MG	SF 6726-MG
									
Diameter	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)
Length	270 (10,63)	168 (6,63)	270 (10,63)	168 (6,63)	270 (10,63)	168 (6,63)	270 (10,63)	168 (6,63)	270 (10,63)
Element Thread	1½-16 UNF	1½-16 UNF	1½-16 UNF	1½-16 UNF	1½-16 UNF	1½-16 UNF	1½-16 UNF	1½-16 UNF	1½-16 UNF
Beta Ratio	β1 ≥ 200	β3 ≥ 200	β3 ≥ 200	β6 ≥ 200	β6 ≥ 200	β12 ≥ 200	β12 ≥ 200	β25 ≥ 200	β25 ≥ 200
Dirt Holding Capacity ACFTD (g)	30	31	47	35	54	38	59	50	76
Filtration Area	8167 cm² (1266 in²)	4051 cm² (628 in²)	8167 cm² (1266 in²)	4051 cm² (628 in²)	7200 cm² (1116 in²)	4051 cm² (628 in²)	7522 cm² (1166 in²)	4051 cm² (628 in²)	8167 cm² (1266 in²)
Maximum Working Pressure	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)
Carton Quantity	6	6	6	6	6	6	6	6	6
Carton Weight	11,8 kg (26,1 lb)	8,2 kg (18 lb)	11,8 kg (26,1 lb)	8,2 kg (18 lb)	11,8 kg (26,1 lb)	8,2 kg (18 lb)	11,8 kg (26,1 lb)	8,2 kg (18 lb)	11,8 kg (26,1 lb)

	Paper				Stainless Wire Mesh		Water Absorbing
	SF 6720	SF 6721	SF 6710	SF 6711	SF 6790	SF 6791	SF 6721-W
							
Diameter	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)	128 (5,06)
Length	168 (6,63)	270 (10,63)	168 (6,63)	270 (10,63)	168 (6,63)	270 (10,63)	270 (10,63)
Element Thread	1½ -16 UNF	1½ -16 UNF	1½ -16 UNF	1½ -16 UNF	1½ -16 UNF	1½ -16 UNF	1½ -16 UNF
Beta Ratio	β10 ≥ 2	β10 ≥ 2	β25 ≥ 2	β25 ≥ 2	n/a	n/a	β10 ≥ 2
Dirt Holding Capacity ACFTD (g)	34	62	34	62	n/a	n/a	Water holding capacity 444 ml (15 oz)
Filtration Area	3677 cm ² (570 in ²)	6813 cm ² (1056 in ²)	3677 cm ² (570 in ²)	6813 cm ² (1056 in ²)	1290 cm ² (200 in ²)	2032 cm ² (315 in ²)	4440 cm ² (688 in ²)
Maximum Working Pressure	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)	14 bar (200 PSI)
Carton Quantity	6	6	6	6	6	6	6
Carton Weight	6,6 kg (14,6 lb)	7,9 kg (17,5 lb)	6,7 kg (14,9 lb)	9,3 kg (20,6 lb)	8,2 kg (18 lb)	11,8 kg (26,1 lb)	11,8 kg (26,1 lb)

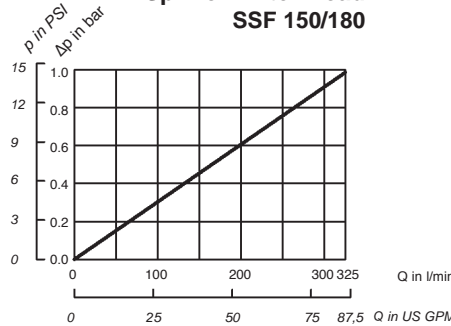
Flow Characteristics

The following characteristics are valid for mineral oils with a density of 0,85 kg/dm³ and the kinematic viscosity of 30 mm²/s. The characteristics have been determined in accordance to ISO 3968.

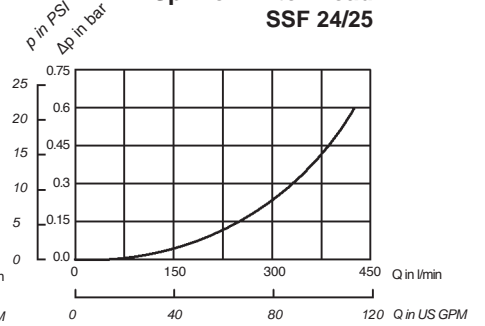
**Spin-on Filter Head
SSF 20/100/120/130/160**



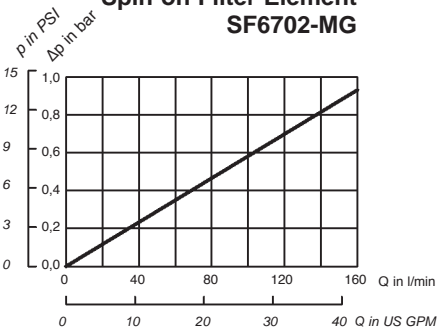
**Spin-on Filter Head
SSF 150/180**



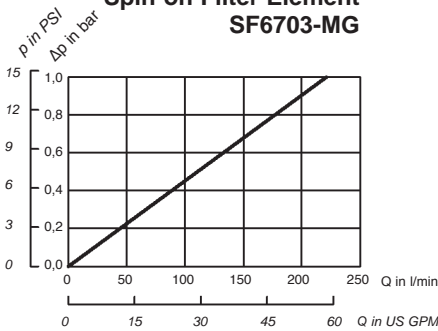
**Spin-on Filter Head
SSF 24/25**



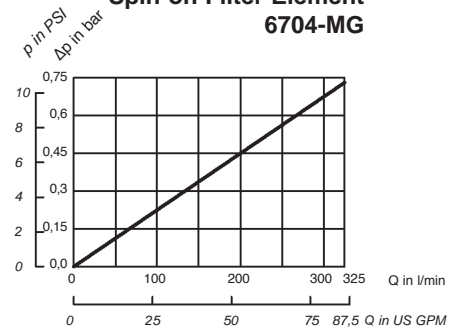
**Spin-on Filter Element
SF6702-MG**



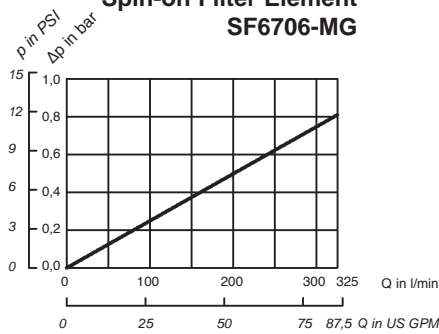
**Spin-on Filter Element
SF6703-MG**



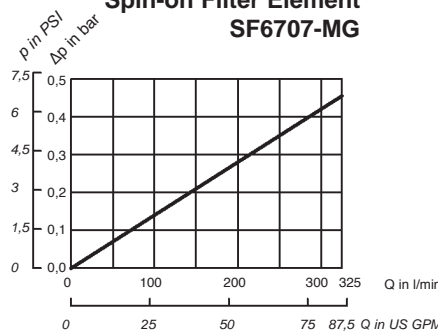
**Spin-on Filter Element
6704-MG**



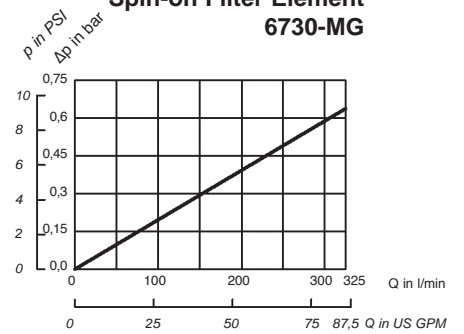
**Spin-on Filter Element
SF6706-MG**



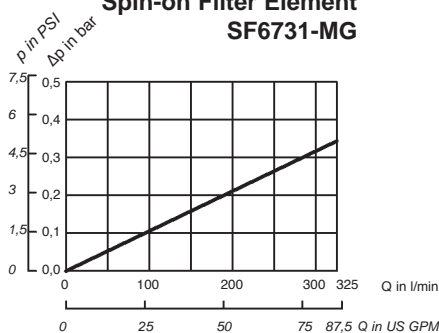
**Spin-on Filter Element
SF6707-MG**



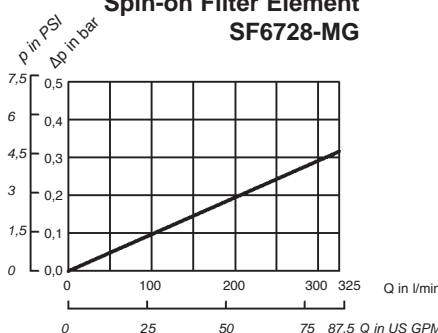
**Spin-on Filter Element
6730-MG**



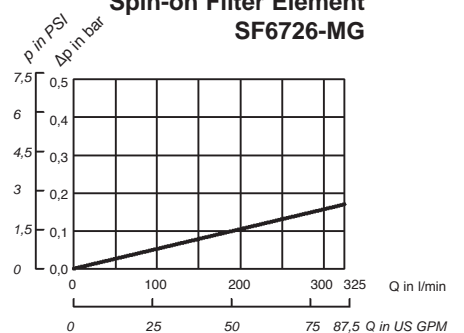
**Spin-on Filter Element
SF6731-MG**



**Spin-on Filter Element
SF6728-MG**



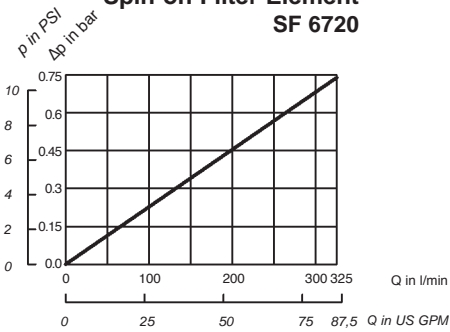
**Spin-on Filter Element
SF6726-MG**



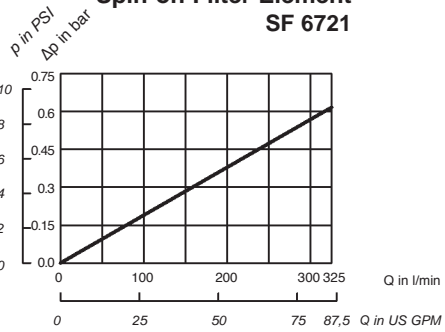
Flow Characteristics

The following characteristics are valid for mineral oils with a density of 0,85 kg/dm³ and the kinematic viscosity of 30 mm²/s. The characteristics have been determined in accordance to ISO 3968.

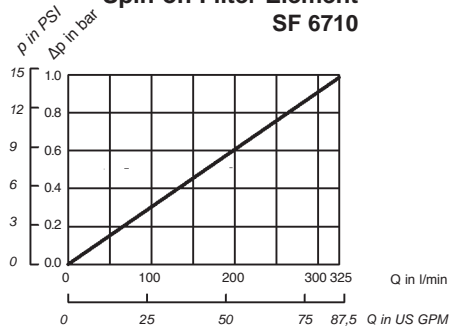
Spin-on Filter Element SF 6720



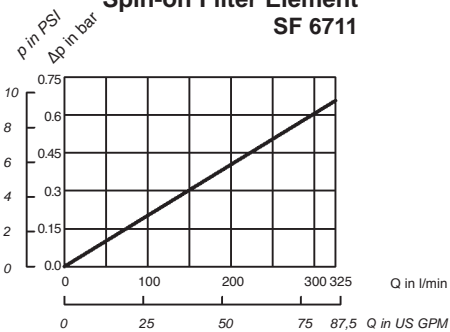
Spin-on Filter Element SF 6721



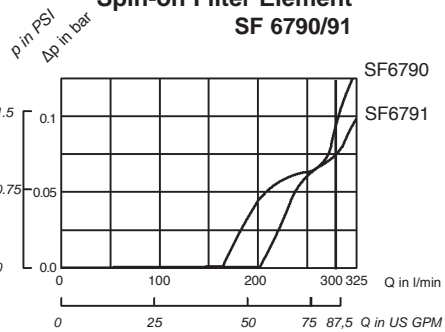
Spin-on Filter Element SF 6710



Spin-on Filter Element SF 6711



Spin-on Filter Element SF 6790/91






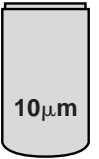


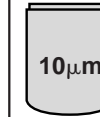
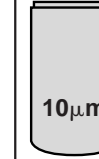



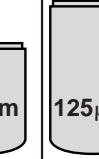
Stauff SF35 and SFC36 series spin-on elements are used with the Stauff SSF12 series spin on filters with G 3/4 threaded posts.

Stauff SFCT 35 and SFCT 36 series spin-on elements have an internal 1 bar (15 PSI) by-pass and anti-drain back diaphragm for use with Stauff SSFT 12 tank top spin-on filters.

Technical Specification

Seals	NBR (Buna-N®) seals
Working pressure	12 bar (174 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
Media	Mineral oils, other fluids on request

Dimensions and Ordering Code

	Paper				Microglass		Wire Mesh		Brass Mesh	
	SFC 3510E SFCT 3510E	SFC 3610E SFCT 3610E	SFC 3525E SFCT 3525E	SFC 3625E SFCT 3625E	SFC 3510AE SFCT 3510AE	SFC 3610AE SFCT 3610AE	SFC 3560E SFCT 3560E	SFC 3660E SFCT 3660E	SFC 35125E SFCT 3512E	SFC 36125E SFCT 3612E
										
Diameter	98 (3,86)	98 (3,86)	98 (3,86)	98 (3,86)	98 (3,86)	98 (3,86)	98 (3,86)	98 (3,86)	98 (3,86)	98 (3,86)
Length	145 (5,7)	190 (7,5)	145 (5,7)	190 (7,5)	145 (5,7)	190 (7,5)	145 (5,7)	190 (7,5)	145 (5,7)	190 (7,5)
Element Thread	G ³ / ₄	G ³ / ₄	G ³ / ₄	G ³ / ₄	G ³ / ₄	G ³ / ₄	G ³ / ₄	G ³ / ₄	G ³ / ₄	G ³ / ₄
Beta Ratio	β10 ≥ 2	β10 ≥ 2	β25 ≥ 2	β25 ≥ 2	β10 ≥ 75	β10 ≥ 75	n/a	n/a	n/a	n/a
By-pass Setting (SFCT Series only)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)
Maximum Working Pressure	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)
Carton Quantity	1	1	1	1	1	1	1	1	1	1
Carton Weight	0,9 kg (2 lb)	1,3 kg (2,6 lb)	0,9 kg (2 lb)	1,3 kg (2,6 lb)	0,9 kg (2 lb)	1,3 kg (2,6 lb)	0,9 kg (2 lb)	1,3 kg (2,6 lb)	0,9 kg (2 lb)	1,3 kg (2,6 lb)

Stauff SFC 57 and SFC 58 series spin-on elements are used with the Stauff SSF20, 24, 25, 100, 120, 130, 160, 150 and 180 series spin on filters with G 1 1/4 threaded posts.

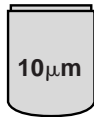
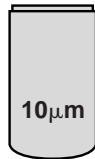



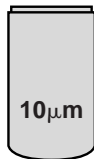



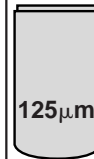
Stauff SFCT 57 and SFCT 58 series spin-on elements have an internal 1 bar (15 PSI) by-pass and anti-drain back diaphragm for use with Stauff SSFT 20 tank top spin-on filters.

Technical Specification

Seals	NBR (Buna-N®) seals
Working pressure	12 bar (174 PSI) working pressure, maximum pressure differential of 5,5 bar (80 PSI) for any application with no by-pass valve
Operating temperature	-32°C to +100°C (-25°F to 212°F)
Media	Mineral oils, other fluids on request

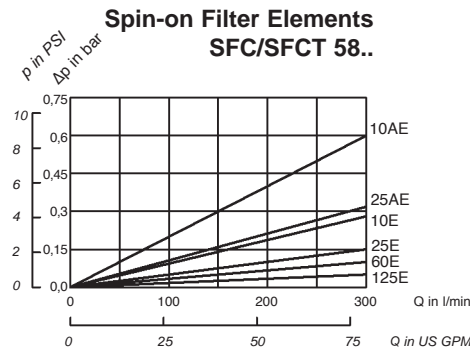
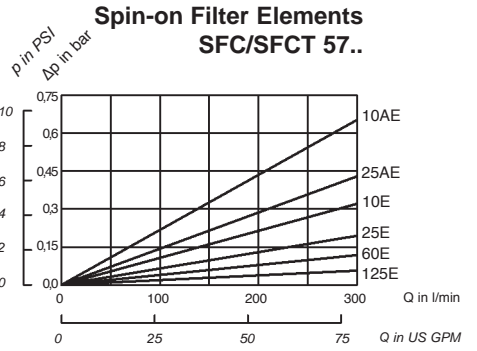
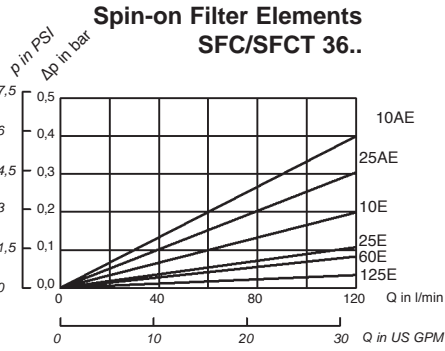
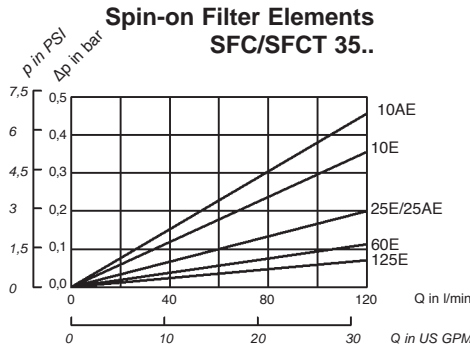
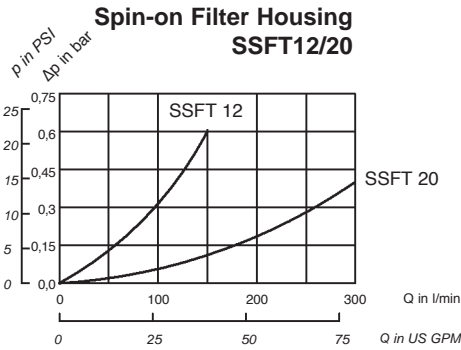
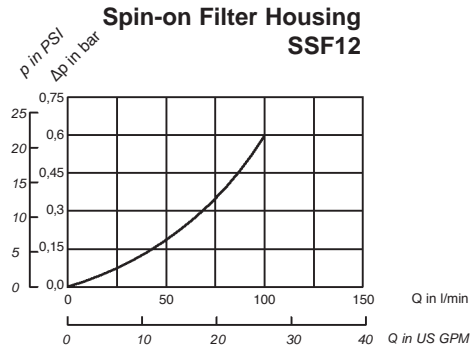


Dimensions and Ordering Code

	Paper				Microglass		Wire Mesh		Brass Mesh	
	SFC 5710E SFCT 5710E	SFC 5810E SFCT 5810E	SFC 5725E SFCT 5725E	SFC 5825E SFCT 5825E	SFC 5710AE SFCT 5710AE	SFC 5810AE SFCT 5810AE	SFC 5760E SFCT 5760E	SFC 5860E SFCT 5860E	SFC 57125E SFCT 57125E	SFC 58125E SFCT 58125E
										
Diameter	132 (5,2)	132 (5,2)	132 (5,2)	132 (5,2)	132 (5,2)	132 (5,2)	132 (5,2)	132 (5,2)	132 (5,2)	132 (5,2)
Length	180 (7,1)	226 (8,9)	180 (7,1)	226 (8,9)	180 (7,1)	226 (8,9)	180 (7,1)	226 (8,9)	180 (7,1)	226 (8,9)
Element Thread	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4	G 1 1/4
Beta Ratio	β10 ≥ 2	β10 ≥ 2	β25 ≥ 2	β25 ≥ 2	β10 ≥ 75	β10 ≥ 75	n/a	n/a	n/a	n/a
By-pass Setting (SFCT Series only)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)	1 bar (15 PSI)
Maximum Working Pressure	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)	12 bar (174 PSI)
Carton Quantity	1	1	1	1	1	1	1	1	1	1
Carton Weight	1,4 kg (3 lb)	1,85 kg (4 lb)	1,4 kg (3 lb)	1,85 kg (4 lb)	1,4 kg (3 lb)	1,85 kg (4 lb)	0,9 kg (2 lb)	1,3 kg (2,6 lb)	0,9 kg (2 lb)	1,3 kg (2,6 lb)

Flow Characteristics

The following characteristics are valid for mineral oils with a density of 0,85 kg/dm³ and the kinematic viscosity of 30 mm²/s. The characteristics have been determined in accordance to ISO 3968.



Visual Indicators



Type	Thread Type G
GV-5B / GV-10B / G-12B / CI-20B	G 1/8
GV-5 / GV-10 / G-12 / CI-20	1/8 NPTF

Vacuum Gauges, Suction Line Applications

GV-5

For use with 3PSI filter by-pass valve
0,2 bar (3 PSI)

GV-10

For use with 5PSI filter by-pass valve
0,35 bar (5 PSI)

Pressure Gauges, Return Line Applications

CI-12

For use with 15PSI filter by-pass valve
1,0 bar (15 PSI)

CI-20

For use with 25PSI filter by-pass valve
1,7 bar (25 PSI)

Electrical Indicator

Type	Thread Type
EPS-1B / EVS 1B	G 1/8
EPS-1 / EVS 1	1/8 NPT

EPS-1

EVS-1

Can Be Field Installed

All dimensions in mm (inch)

	EPS-1 (Pressure)	EVS-1 (Vacuum)
Electrical	7Amp 125/250 VAC	7Amp 125/250 VAC
Protection	DIN 43650 IP65	DIN 43650 PIP65
Temperature Range	-40°C to +80°C (-40°F to 180°F) Ambient & Medium	-40°C to +80°C (-40°F to +180°F) Ambient & Medium
Diaphragm Material	Epichlorohydrin Standard	Epichlorohydrin Standard
Housing Material	Zinc Plated Steel Standard	Aluminum AL2024
MAXIMUM OVER Pressure	25 Bar (350 PSI) 6:1 Safety Factor	25 Bar (350 PSI)
ADJUSTMENT RANGES	0.35/2.5 Bar (5/35 PSI)	150/1000 mBar (5/30 in Hg)
Dead Band	20%	25%
Maximum Pressure	25 Bar (350 PSI)	25 Bar (350 PSI)
Wetted Area Material	Elastomer & Zinc Plated Steel Brass	Elastomer & Anodized Aluminum 316SS Optional
Weight	Steel Housing 0.11 Kg (0.23 lb)	0.25 Kg (0.50 lbs.)
Repeatability	±2% at 20°C (70°F) Ambient Temperature	±2% at 20°C (70°F) Ambient Temperature
Hirschmann Connector With Strain Relief		

Spin-On Filters Quick Reference Guide

Spin-On Filter Heads										Spin-On Filter Element							
Type	Size	Port	Post	Max. Flow Rate* l/min	US GPM	Catalog Page	Seal		SF 63XX	SF 65XX	SF 67XX	SFC 36XX	SFC 57XX	SFCT 35XX	SFC 58XX	SFCT 57XX	SFCT 58XX
							Thin	Wide									
SLF	02B	G1/4	3/4 -16 UNF	19	5	3			12								
SLF	02	1/4 NPT	3/4 -16 UNF	19	5	3			12								
SLF	03B	G 3/8	3/4 -16 UNF	19	7	3			12								
SLF	03	3/8 NPT	3/4 -16 UNF	26	7	3			12								
SLF	04	9/16-18UNF , #6 SAE	3/4 -16 UNF	26	7	3			12								
SAF	05B	G1/2	1 - 12 UNF		15	4											
SAF	05	1/2 NPT	1 - 12 UNF	60	15	4				13-14							
SAF	06	3/4 -16 UN , #8 SAE	1 - 12 UNF	60	15	4				13-14							
SAF	07B	G 3/4	1 - 12 UNF	90	25	4				13-14							
SAF	07	3/4 NPT	1 - 12 UNF	90	25	4				13-14							
SAF	11	1 1/16 -12 UN , #12 SAE	1 - 12 UNF	90	25	4				13-14							
SAF	10B	G1	1 - 12 UNF	128	34	5				13-14							
SAF	10	1 NPT	1 - 12 UNF	128	34	5				13-14							
SAF	13	1 5/16 -12 UN , #16 SAE	1 - 12 UNF	128	34	5				13-14							
SSF	12	G 3/4	G 3/4	90	25	6						19-21					
SSF	12N	3/4 NPT	G 3/4	90	25	6						19-21					
SSF	100B	G1	G 1 1/4 + 1 1/2 - 16 UNF	170	45	7		X					20-21				
SSF	100	1 NPT	G 1 1/4 + 1 1/2 - 16 UNF	170	45	7		X					20-21				
SSF	20L	G 1 1/4	G 1 1/4 + 1 1/2 - 16 UNF	225	60	7			X	15-18			20-21				
SSF	120	1 1/4 NPT	G 1 1/4 + 1 1/2 - 16 UNF	225	60	7		X		15-18			20-21				
SSF	120L	1 1/4 NPT	G 1 1/4 + 1 1/2 - 16 UNF	225	60	7			X	15-18			20-21				
SSF	130	1 5/16 -12 SAE , #16 SAE	G 1 1/4 + 1 1/2 - 16 UNF	225	60	7		X		15-18			20-21				
SSF	160	1 5/8 -12 SAE , #20 SAE	G 1 1/4 + 1 1/2 - 16 UNF	225	60	7		X		15-18			20-21				
SSF	150B	G1-1/2	1 1/2 - 16 UNF	300	80	8			X	15-18							
SSF	150	1 1/2 - NPT	1 1/2 - 16 UNF	300	80	8			X	15-18							
SSF	180	1 7/8 - 12 SAE , #24 SAE	1 1/2 - 16 UNF	300	80	8			X	15-18							
SSF	24B	G1-1/2	G 1 1/4 + 1 1/2 - 16 UNF	454	120	9			X	15-18			20-21				
SSF	24N	1 1/2 NPT	G 1 1/4 + 1 1/2 - 16 UNF	454	120	9			X	15-18			20-21				
SSF	24S	1 7/8 - 12 UN , SAE # 24	G 1 1/4 + 1 1/2 - 16 UNF	454	120	9			X	15-18			20-21				
SSF	25B	G1-1/4 and 1-1/2 SAE Flange	G 1 1/4 + 1 1/2 - 16 UNF	454	120	9			X	15-18			20-21				
SSF	25	1 1/2 - NPT and 2 SAE Flange	G 1 1/4 + 1 1/2 - 16 UNF	454	120	9			X	15-18			20-21				
SSFT	12B	G3/4	G3/4	75	20	10							19-21				
SSFT	12	3/4 NPT	G 3/4	75	20	10							19-21				
SSFT	20	G 1 1/2	G 1 1/4 + 1 1/2 - 16 UNF	200	53	11			X							20-21	
SSFT	20	1 1/2 NPT	G 1 1/4 + 1 1/2 - 16 UNF	200	53	11			X							20-21	

* Note : Reflects nominal flow rate for return line application. Actual flow rate will depend on element selected.

The numbers above reference the page in the catalog

THIS IS STAUFF

RESPONSE AND FLEXIBILITY • COMPETENT SERVICE • PROMPT DELIVERY •
ENSURED QUALITY • FRIENDLY SERVICE • PROVEN IN PRACTICE



Australia
Stauff Corporation (Pty.) Ltd.
P.O.Box 227 , 24-26 Doyle Avenue,
Unanderra Wollongong , N.S.W
2526 AUSTRALIA
Tel: +61 2 42 71 18 77
Fax: +61 2 42 71 84 32



Brazil
Stauff Brasil Ltda.
Av. Guapé 10767
Galpão 2 – Bloco A
Barueri – São Paulo – CEP 06422-120, BRAZIL
Tel: +55 (0)11-4789-9020
Fax: +55 (0)11-4789-9021



Canada
Stauff Canada Ltd.
866 Milner Avenue
Scarborough , Ontario M1B 5N7 , CANADA
Tel: +1 416 282 46 08
Fax: +1 416 282 30 39



China
Stauff International Trading (Shanghai) Co., Ltd.
Shangdian Mansion, Pudong
331 , Binzhou Road
200126 Shanghai, CHINA
Tel: +86 21 58 45 65 60
Fax: +86 21 58 45 66 80



France
Stauff S.A.
Z.I. de Vineuil-Blais Sud
230, Avenue du Grain d'Or
41354 Vineuil-cedex, FRANCE
Tel: +33 2 54 50 55 50
Fax: +33 2 54 42 29 19



Germany
Walter Stauffenberg GmbH & Co. KG
P.O. Box 1745,
D-58777 Werdohl, GERMANY
Tel: +49 (0) 23 92/916-0
Fax: +49 (0) 23 92 25 05



India
Stauff India Pvt. Ltd.
Gat. No. 2340
Pune-Nagar Road, Wagholi
IND-Pune - 412027
Tel: +91 20 705 19 90
Fax: +91 20 705 19 89



Italy
Stauff Italia S.R.L.
Via Pola 21/23
I-20034 Birone di Giussano
Tel: +39 0362 31 21 13
Fax: +39 0362 33 55 36



New Zealand
Stauff Corporation (NZ) Ltd.
Unit J. 150 Harris Road, P.O. Box 58517
Greenmount Auckland-NEW ZEALAND
Tel: +64 9 271 4812
Fax: +64 9 271 4832

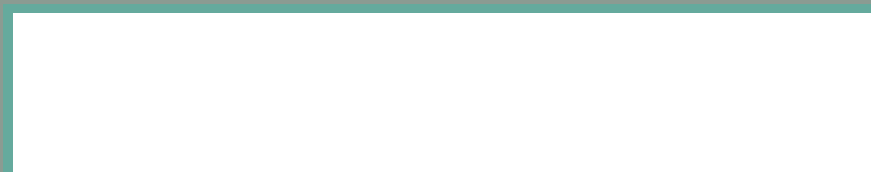


United Kingdom
Stauff UK Ltd.
332, Coleford Road Darnall
Sheffield, S 9 5 P H, ENGLAND
Tel: +44 1142 518 518
Fax: +44 1142 518 519



USA
Stauff Corporation
7 Wm. Demarest Place
Waldwick, NJ – 07463, USA
Tel: +1 201 444 78 00
Fax: +1 201 444 78 52

Globally available through distributors in all industrial countries



2003

STAUFF