SFH series

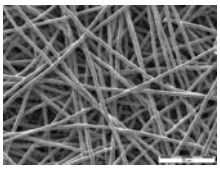
FILTERING CARTRIDGES
SINTERED FIBRES
HIGH FLOW-RATE

MAIN APPLICATIONS:

- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- PHARMACEUTICAL

CHARACTERISTICS:

- High flow-rate
- High mechanical strength
- High temperature resistance
- Excellent chemical compatibility
- Pleated construction
- Cleanable
- High dirt holding capacity
- Very low initial Delta-P
- No media migration
- Filtration direction from outside to inside
- Two different construction material available
- Fully welded construction
- Suitable for both liquid and gas filtration
- Absolute filtration rating from 3 to 75 µm



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Brochure no: 026-SFH-15-UK-1

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TECHNICAL DATA

DIFFERENTIAL PRESSURE

Cartridge replacement:
1.0 bar @ 25 °C
Max. allowable:
3.0 bar @ 25 °C

WORKING TEMPERATURE

360 °C

CONSTRUCTION MATERIAL

Filter media:
- **316L SS**

Hardware:
- **304 SS**
- **316L SS**

Gaskets:
- **Buna-n**
- **EPDM**
- **Viton**
- **Silicone**
- **PTFE**
- **Soft PTFE**
- **KlingerSil**

DIMENSIONS

OD / ID x H:

F1:	**105/65 x**	**490 mm**
F2:	**105/65 x**	**1000 mm**
D1:	**135/92 x**	**490 mm**
D2:	**135/92 x**	**1000 mm**
H1:	**143/106 x**	**490 mm**
H2:	**143/106 x**	**1000 mm**
B1:	**178/134 x**	**490 mm**
B2:	**178/134 x**	**1000 mm**
C1:	**240/194 x**	**550 mm**
C2:	**240/194 x**	**1000 mm**
A1:	**267/223 x**	**550 mm**
A2:	**267/223 x**	**1000 mm**

FILTERING AREA

F1: 0.59 m² - F2: 1.18 m²
D1: 0.59 m² - D2: 1.18 m²
H1: 0.59 m² - H2: 1.18 m²
B1: 0.59 m² - B2: 1.18 m²
C1: 0.88 m² - C2: 1.77 m²
A1: 1.77 m² - A2: 3.54 m²

Flow-rate / Delta-P data:

Grade	Liquids (cP 1.0)					
	F1	D1	H1	B1	C1	A1
03	10	16	18	20	25	35
05	15	25	30	40	70	120
10	18	30	40	50	90	140
20	20	30	40	70	120	160
30	20	40	50	70	120	160
40	23	50	60	80	150	180
≥ 60	23	50	60	80	150	180

Liquids flow-rate (m3/h) - Initial Delta-P 0.1 bar.
Flow-rate valid for clean water, reduce the flow-rate according to the application.

Grade	Air (cP 0.018)					
	F1	D1	H1	B1	C1	A1
03	100	280	430	600	800	1200
05	120	340	500	700	950	1450
10	140	390	590	750	1100	1700
20	140	390	590	750	1100	1700
30	140	390	590	750	1100	1700
40	140	390	590	750	1100	1700
≥ 60	150	400	600	760	1200	1900

Air flow-rate (Am3/h). Initial Delta-P 0.07 bar
For gas different than air: DP = 0.07 x gas viscosity (cP) / 0.018 cP (air).
Flow-rate valid for clean air, reduce the flow-rate according to the application.

Filtration efficiency:

		03	05	10	20	30	40	60	75
Liquids (µm)	90%	1	3	5	10	20	30	45	50
	99.99%	3	5	10	20	30	40	60	75
Gas (µm)	90%	0.3	0.8	1	3	5	10	15	20
	99.99%	1	2	3	5	10	15	20	30

Gaskets temperature limitation:

EPDM	120 °C	Viton	230 °C	PTFE	250 °C	FEP	250 °C
Buna-n	120 °C	Silicone	230 °C	KlingerSil	360 °C		

Working temperature is limited from installed gaskets.

Ordering information:

SF | H | P | 30 | - | C1 | W | S | K | ____

Construction
H - Welded

Construction
P - Pleated

Filtration rating
03 - 5 µm
05 - 10 µm
10 - 15 µm
20 - 25 µm
30 - 45 µm
40 - 75 µm
60 - 100 µm
75 - 150 µm

Size
F1 F2
D1 D2
H1 H2
B1 B2
C1 C2
A1 A2

Material: media/hardware
W - AISI 316L / AISI 304
S - AISI 316L / AISI 316L

End caps
0 - DOE
S - SOE
F - Flanged

Gaskets
N - Buna-n
E - EPDM
V - Viton
S - Silicone
T - PTFE
G - Soft PTFE
F - FEP
K - KlingerSil

Internal code

We reserve the right to change the data of this specification without notice.

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