

Masterfilter SDFP series pleated stainless steel composed of stainless steel sintered felt shaped during the pleating process. The stainless steel sintered felt is made from stainless steel fiber, which is then sintered under high temperatures to form the porous depth filtration material. The SDFP filter cartridges features include a graded pore size from coarse (upstream) to fine (downstream), which results in a higher dirt holding capacity and filtration efficiency and longer service life. They are widely used in liquid and steam filtration with high viscosities.



Application

- Steam filtration
- Aggressive chemicals and gases
- Corrosive fluids
- Viscous fluids

Features and Benefits

- Available in 316 stainless steel compatible with aggressive chemicals
- Cartridge can be cleaned and re-used
- Welded construction
- Retrofits for many existing filter cartridges
- High flow rate
- High temperature resistant and pressure
- Corrosive and oxidation resistance

Food and Biological Safety

- Available in 316 stainless steel compatible with aggressive chemicals

Materials of Construction

- **Filter media:** Multilayer of st. steel wire felt, pleated
- **Structural Components:** 100% st. steel
- **Construction Method:** Welded adhesives
- **End caps:** AISI 316
- **O-Rings:** EPDM/Silicone

Operating Parameters

- **Max differential pressure:** 5 barg (outside to inside)
2 barg (reverse flow)

Removal rating liquids (μm)☐	Removal rating gas (μm)☐	Pore efficiency☐	Dirt Holding Capacity (mg/cm ²)☐	Average Air Permeability (L/dm ² min) (1)☐	Flow rate☐ (m ³ /h)☐ (2)☐
3.0 (3)☐	0.5☐	70%☐	7.9☐	10☐	0.8☐
5.0☐	1☐	75%☐	5.0☐	47☐	1.3☐
7☐	1.5☐	76%☐	6.5☐	63☐	1.6☐
10☐	2☐	75%☐	7.8☐	105☐	2.0☐
25☐	16☐	80%☐	19.0☐	355☐	2.5☐
40☐	25☐	-☐	-☐	-☐	-☐

(1) → Testing performed according to GB/T5453; testing DP is 200Pa; Testing medium is air☐

(2) → Testing liquid viscosity is 1 cP.S; filter tested with 60mm diameter and 300mm length; testing pressure is 1.5 bar☐

(3) → Bekaert filtration media☐

Part Numbers

SDF P

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Code	Removal rating micron
0300	3
0500	5
0700	7
1000	10
2500	25
4000	40

Code	Length	
	mm	inch
5	125	5
10 (H)	254	10
20	508	20
30	762	30
40	1016	40

Code	End caps
DOE	Double open ends
HTC	222 O-ring/flat (Code 3)
HSB	H-code dh/Ultrafilter
HSF	226 O-ring/fin (Code 7)

Code	O-Rings
S	Silicone
E	EPDM
V	Viton