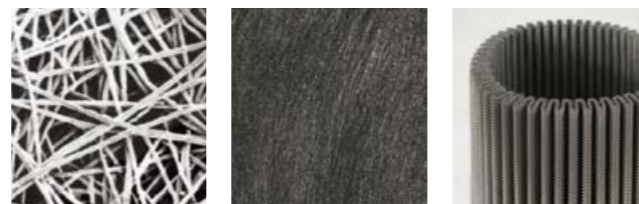


PSSF Pleated Stainless Steel Felt Cartridges

Cobetter Pleated Stainless Steel Felt Cartridges (PSSF) have the specialties of high strength, structural stability under high temperature. The high porosity enabled the fast flow rate. It is available in most solution for fluids and gases in high temperature and high flow rate applications. PSSF can provide absolute removal ratings.



Features and Benefits

- Absolute Particle removal rating
- Available in 316 stainless steel for compatibility choice with aggressive chemicals
- Cartridge can be cleaned and reuse
- Dimensional integrity of stainless steel media accommodates high flow rate and high temperature systems
- Welded construction eliminates the need for adhesives which can be a contaminant source
- Variety of seal configurations allows for the retrofit of different filter vessel designs

Materials of Construction

Filter Medium	316 stainless steel wire felt
Structural Components	100% 316 stainless steel
Seal Materials	Please refer to ordering information
Construction Method	Welded(no adhesives)

Operating Conditions

Operating Temperature	-75°C~ +480°C
Max. Pressure Difference	0.5MPa (from outside to inside) 0.2MPa (from inside to outside)

Removal Ratings (Liquid μm)	Removal Ratings (Air μm)	Porosity (%)	Dirt Holding Capacity (mg/cm ²)	Average Air Penetrability (L/cm ² min)	Liquid Flow Rate (m ³ /h)
3.0	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	-	-	-	-
60	45	-	-	-	-

Flow Capacity

Filter Code	Steam Flow (1 barg)	
	$\Delta P=100\text{mbar}$	$\Delta P=200\text{mbar}$
PSSF-0300-025	24kg/H	48kg/H
PSSF-0300-05	51kg/H	96kg/H
PSSF-0300-10A	120kg/H	240kg/H

Effective Filtration Area

1.7 ft²/10 in length (1580 cm²/254 mm)

Ordering Information

PSSF	Removal	End Cap	Nominal Length	Diameter	Seal Material	-F
	0200=3.0 μm	DOE=Double open end	05= 5"	D25=25mm	S=Silicone	
	0500=5.0 μm	TC=222 O-ring/flat cap	10=10"	D30=30mm	E=EPDM	
	0700=7.0 μm	SC=226 flat	20=20"	D50=50mm	V=Viton	
	1000=10 μm	L=NPT	30=30"	D65=65mm	P=PFA/Viton	
	2500=25 μm		40=40"	D70=70mm	F=PTFE	
	4000=40 μm					
	6000=60 μm					