



PSSF® PLEATED STAINLESS STEEL FELT CARTRIDGES

Ideal for use in steam filtration or liquid applications with high viscosities, e.g. sugars and syrups

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IDEAL FOR STEAM FILTRATION OR LIQUID APPLICATIONS WITH HIGH VISCOSITIES

PSSF Stainless Steel Pleated Felt Filter Cartridges are composed of stainless steel sintered felt. These filters have a large filtration area with high flow rates and low pressure drops.

The unique stainless steel sintered felt is made from stainless steel fibers which have been sintered to form a high-porous depth filtration material.

PSSF Filter Cartridges features include a graded pore size from course (upstream) to fine (downstream) fibers, which results in a higher contaminant holding capacity with excellent filtration efficiency and longer service life. These filters are widely used in steam filtration or liquids applications with high viscosities, e.g. sugars and syrups.

FEATURE	BENEFIT		
All stainless steel construction	Excellent chemical compatibility		
	High temperature resistance		
Sintered specialized alloy construction	High corrosion and oxidation resistance		
	Can be cleaned and reused		
Absolute graded pore size rated media	Precision particulate retention ratings		



APPLICATIONS

Food & Beverage

Bulk Filtration

• Steam

- High Temp Processes Water Treatment
 - Viscous Fluids
 - Clarification
 - High Pressure Processes

SPECIFICATIONS

Filter media	316L Stainless Steel Sintered Felt				
Cage/Support/Core/End Caps	316L Stainless Steel				
Seal material	Silicone, EPDM, FKM, E-FKM (FEP/PFA encapsulated FKM), PTFE				
Construction method	Welded (no adhesive)				
Recommended continuous operating temperate range	-75°C to +200°C Note: Temperature dependant on o-ring compound				
Max. differential pressure	Forward Flow: 0.5 MPa (5.0 bar, 73 psi) at 21°C Reverse Flow: 0.2 MPa (2.0 bar, 29 psi) at 21°C				
Hot water sterilization	85°C for 30 minutes @ max. differential pressure of 0.2 MPa (2.0 bar, 29 psi)				
Cleaning solution	Reverse rinse by pure water/compressed air @ ≤0.2 MPa (2.0 bar, 29 psi); Ultrasonic rinsing (Ultrasonic cleaning is recommended rather than back flush cleaning due to the filter's depth and porous filtration media construction)				
Effective filtration area	0.12 m² (12.9 ft²) /10 inch				

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PARAMETERS

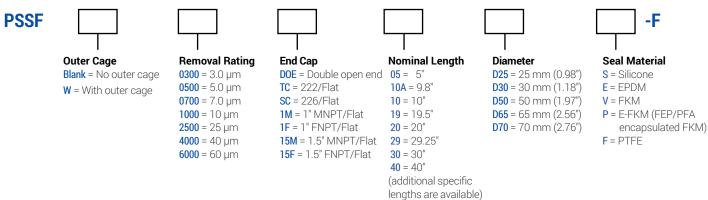
Filter Code	Removal Rating in Liquid (µm)	Removal Rating in Gas (µm)	Porosity	Dirt Holding Capacity (mg/cm²)	Average Air Permeability (L/dm²min)¹	Flow Rate ²
0300	3.0	0.5	70%	7.9	10	0.8 m³/h (3.5 gpm)
0500	5.0	1.0	75%	5.0	47	1.3 m ³ /h (5.7 gpm)
0700	7	1.5	76%	6.5	63	1.6 m³/h (7.0 gpm)
1000	10	2.0	75%	7.8	105	2.0 m³/h (8.8 gpm)
2500	25	16	80%	19.0	355	2.5 m ³ /h (11 gpm)
4000	40	25	-	-	-	-
6000	60	45	-	-	-	-

¹Testing performed according to GB/T5453; Testing DP is 200 Pa (0.03 psi). Testing medium is air.

²Testing liquid viscoity is 1 cP. Filter tested with 60 mm (2.4") diameter and 300 mm (11.8") length; Testing pressure is 1.5 bar (21.8 psi)

ORDERING INFORMATION

EXAMPLE: PSSF1000TC30D70E-F 10 µm, 222/Flat, 30", 70 mm dia., with EPDM seal



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