

PSSC® PLEATED STAINLESS STEEL WIRE CLOTH CARTRIDGES

IDEAL FOR HIGH PRESSURE AND HIGH TEMPERATURE APPLICATIONS

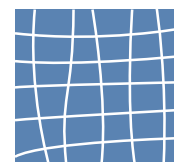
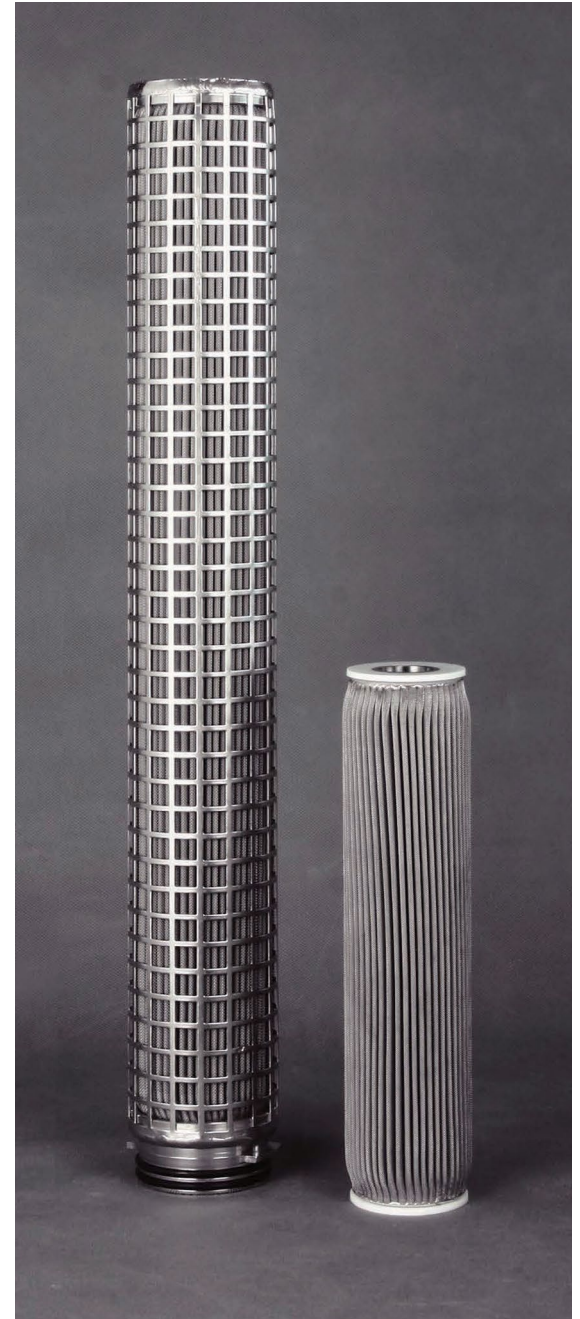
PSSC Pleated Stainless Steel Wire Cloth Filter Cartridges are composed of 316 stainless steel wire cloth. The pleated structure provides a large filtration area which results in longer service life and higher flow rates.

PSSC Filter Cartridges have superior strength and thermal resistance which make them ideal for high pressure and temperature applications.

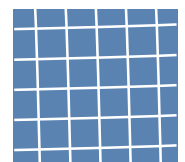
FEATURE	BENEFIT
All stainless steel construction with pleated wire cloth and inside support layer	Excellent chemical compatibility
	High temperature and pressure resistance
	High corrosion and oxidation resistance
	Non-fiber releasing
Absolute graded pore size rated media	Homogenous pore sizes
	Precision particulate retention ratings
Constructed for cleaning and reuse	Able to be cleaned and reused
	High pressure back-flushing available

SPECIFICATIONS

Filter media	316L Stainless Steel wire cloth
Inside support layer	316L Stainless Steel
End cap	316L Stainless Steel
Outside protection net (optional)	Outside protection net recommended when operating pressure is up to 0.2 MPa (29 psi)
Seal material	Silicone, EPDM, FKM, E-FKM (FEP/PFA encapsulated FKM), PTFE
Construction method	Welded (no adhesive)
Recommended continuous operating temperature range	-75°C to +200°C Note: Temperature dependant on o-ring compound
Max. differential pressure	Forward Flow: 0.86 MPa (8.6 bar, 125 psi) at 21°C Reverse Flow: 0.02 MPa (2.0 bar, 29 psi) at 21°C



Traditional filter mesh may deform under high pressure and temperature, thus affecting the removal ratings.



PSSC's sintered wire cloth has a solid internal structure ensuring that the components of the filter will not shift and affect the removal ratings.

LENGTH AND AREA

Length	Area
5 in. (127 mm)	0.095 m ² (1 ft ²)
10 in. (254 mm)	0.19 m ² (2 ft ²)
20 in. (508 mm)	0.38 m ² (4 ft ²)
30 in. (762 mm)	0.57 m ² (6.11 ft ²)
40 in. (1016 mm)	0.76 m ² (8.2 ft ²)

PARAMETERS







Filter Code	Removal Rating in Liquid (µm)	Removal Rating in Gas (µm)	Porosity	Absolute Removal Rating (µm)	Average Air Permeability (L/dm ² min) ¹	Flow Rate ²
0200	2.0	0.8	38%	8-9	2.35	1.8 m ³ /h (7.9 gpm)
0500	5.0	1		12-14	2.42	2.0 m ³ /h (8.8 gpm)
1000	10	3		16-18	3.00	2.1 m ³ /h (9.2 gpm)
2000	20	15		22-32	4.5	2.5 m ³ /h (11.0 gpm)
4000	40	25		58-63	7.1	3.5 m ³ /h (15.4 gpm)
100H	100	85		125-13-	16.2	5.0 m ³ /h (22.0 gpm)

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

²Testing liquid viscosity is 1 cP. Filter tested with 65 mm (2.6") diameter and 300 mm (11.8") length; Testing pressure is 1.0 bar (14.5 psi)

ORDERING INFORMATION

EXAMPLE: **PSSCW1000SC10D70S-F** with outer cage, 10µm, 226/Flat, 10", 70 mm dia, with Silicone seal

PSSC						 -F
Outer Cage	Removal Rating	End Cap	Nominal Length	Diameter	Seal Material	
Blank = no outer cage W = with outer cage	0200 = 2.0 µm 0500 = 5.0 µm 1000 = 10 µm 2000 = 20 µm 4000 = 40 µm 100H = 100 µm	DOE = Double open end TC = 222/Flat SC = 226/Flat 1M = 1" MNPT/Flat 1F = 1" FNPT/Flat 15M = 1.5" MNPT/Flat 15F = 1.5" FNPT/Flat	05 = 5" 10A = 9.8" 10 = 10" 19 = 19.5" 20 = 20" 29 = 29.25" 30 = 30" 40 = 40" (additional specific lengths are available)	D25 = 25 mm (0.98") D30 = 30 mm (1.18") D50 = 50 mm (1.97") D65 = 65 mm (2.56") D70 = 70 mm (2.76")	S = Silicone E = EPDM V = FKM P = E-FKM (FEP/PFA encapsulated FKM) F = PTFE	



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