

**CSSC® CYLINDRICAL STAINLESS STEEL SINTERED WIRE CLOTH FILTER CARTRIDGES**

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**IDEAL FOR SOLID/LIQUID SOLUTION SEPARATION - SUPERIOR STRENGTH WITH HIGH TEMPERATURE AND CORROSION RESISTANCE**

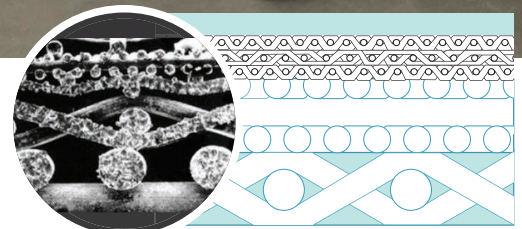
CSSC® Cylindrical Stainless Steel Sintered Wire Cloth Filters with multiple layers of 316 sintered stainless steel wire cloth result in superior strength and corrosion and thermal resistance.

Even under high pressure, the pores remain homogeneous while providing stability throughout the filter. This type of filter is ideally suited for solid/liquid solution separation where there are rigid particles. The CSSC filters provide long lifespan with excellent re-use properties.

FEATURE	BENEFIT
<b>100% stainless steel construction</b>	Excellent chemical compatibility
	High temperature resistance
<b>5 layers of 316 stainless steel wire cloth and reinforcing layer</b>	Superior strength and corrosion and thermal resistance
	Non-fiber releasing
<b>Homogenous pore sizes; Absolute graded pore size rated media</b>	Precision particulate retention ratings

### SPECIFICATIONS

<b>Protective Layer</b>	316L Stainless Steel
<b>Filter Layer</b>	316L Stainless Steel
<b>Dispersion Layer</b>	316L Stainless Steel
<b>First Reinforcing Layer</b>	316L Stainless Steel
<b>Second Reinforcing Layer</b>	316L Stainless Steel
<b>End Cap</b>	316L Stainless Steel
<b>Seal material</b>	Silicone, EPDM, FKM, E-FKM (FEP/PFA encapsulated FKM), PTFE
<b>Construction method</b>	Welded (no adhesive)
<b>Recommended continuous operating temperature range</b>	-75°C to +200°C Note: Temperature dependant on o-ring compound
<b>Max. fwd differential pressure</b>	0.3 MPa (3.0 bar, 43.5 psi) at 21°C



### APPLICATIONS

- Food & Beverage
- Water Treatment
- Bulk Filtration
- Steam
- High Temperature Processes
- High Pressure Processes

## CLEANING AND WASHING

Contaminants	Methods
Metal/rigid particles	Ultrasonic cleaning with frequent vibrations to remove particles High pressure spray prior to reusing
Flocculants (hair/strips/etc.)	High temperature baking, carbonizing, and vaporizing
Colloids	Soaking in a solvent to dissolve colloid

## LENGTH AND AREA

Length	Area
5 in. (127 mm)	0.025 m <sup>2</sup> (0.27 ft <sup>2</sup> )
10 in. (254 mm)	0.05 m <sup>2</sup> (0.54 ft <sup>2</sup> )
20 in. (508 mm)	0.10 m <sup>2</sup> (1.1 ft <sup>2</sup> )
30 in. (762 mm)	0.15 m <sup>2</sup> (1.6 ft <sup>2</sup> )
40 in. (1016 mm)	0.20 m <sup>2</sup> (2.2 ft <sup>2</sup> )

## PARAMETERS

Filter Code	Removal Rating in Liquid (µm)	Removal Rating in Gas (µm)	Porosity	Absolute Removal Rating (µm)	Average Air Permeability (L/dm <sup>2</sup> min) <sup>1</sup>	Flow Rate <sup>2</sup>
0200	2.0	0.8	38%	8-9	2.35	0.25 m <sup>3</sup> /h (1.1 gpm)
0500	5.0	1		12-14	2.42	0.43 m <sup>3</sup> /h (1.9 gpm)
1000	10	3		16-18	3.00	0.50 m <sup>3</sup> /h (2.2 gpm)
2000	20	15		22-32	4.50	0.58 m <sup>3</sup> /h (2.6 gpm)
4000	40	25		58-63	7.10	0.67 m <sup>3</sup> /h (2.9 gpm)
100H	100	85		125-130	16.20	0.8 m <sup>3</sup> /h (3.5 gpm)

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

<sup>2</sup>Testing 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: **CSSC0500SC10D70S-F** with outer cage, 10 µm, 226/Flat, 10", 70 mm dia, with Silicone seal, Food & Beverage industry

**CSSC**



### Removal Rating

0200 = 2.0 µm  
0500 = 5.0 µm  
1000 = 10 µm  
2000 = 20 µm  
4000 = 40 µm  
100H = 100 µm



### End Cap

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



### Nominal Length

05 = 5"  
10A = 9.8"  
10 = 10"  
19 = 19.5"  
20 = 20"  
29 = 29.25"  
30 = 30"  
40 = 40"  
(additional specific lengths are available)



### Diameter

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")



### Seal Material

S = Silicone  
E = EPDM  
V = FKM  
P = E-FKM (FEP/PFA encapsulated FKM)  
F = PTFE

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### Industry

F = Food & Bev  
M = Medical  
C = Chemical/Industrial  
P = Pharmaceutical  
E = Electronic



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