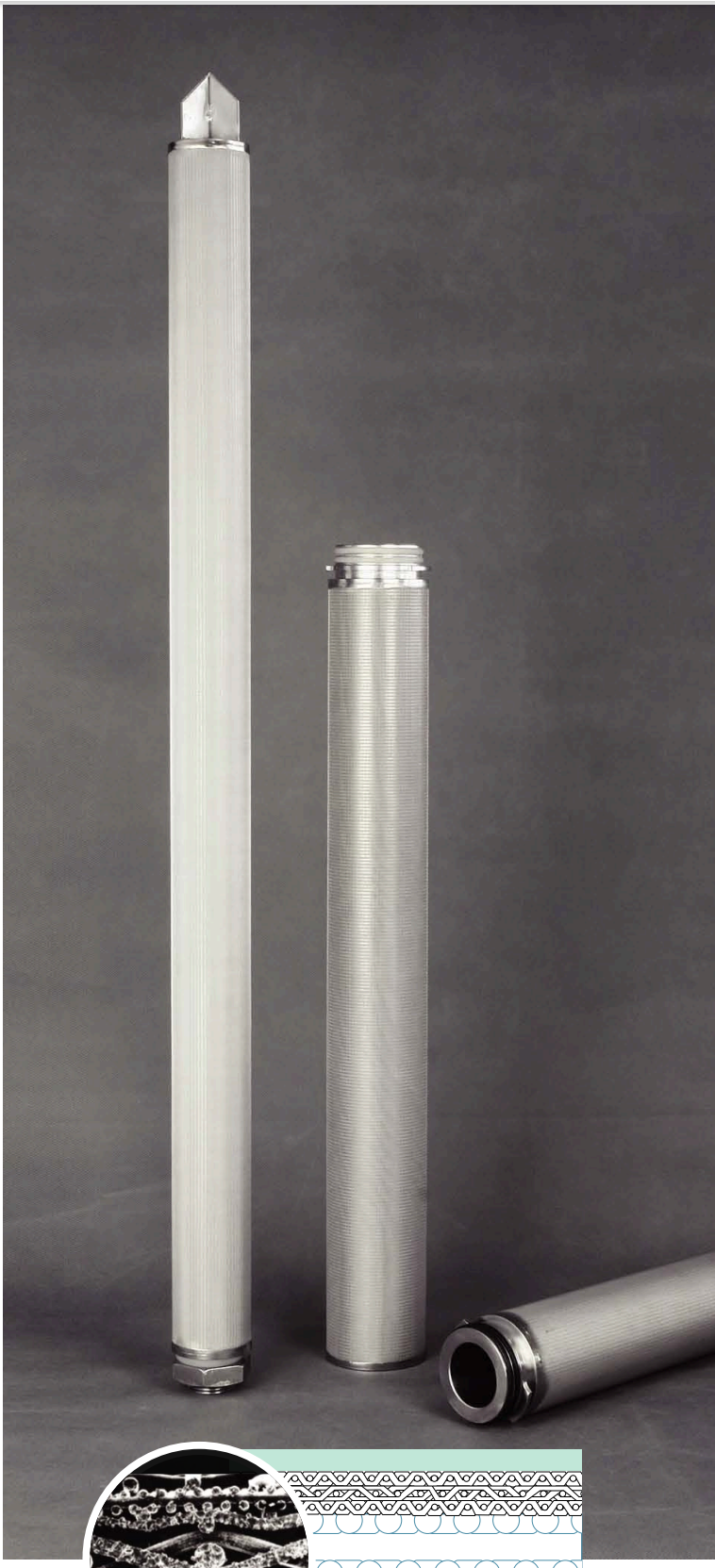
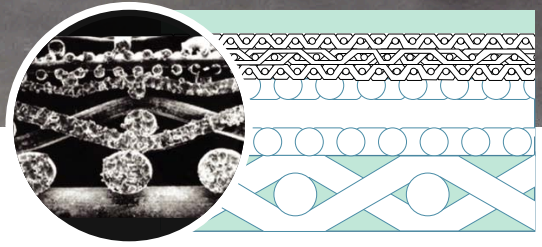
CSSC Cylidrical Stainless Steel Wire Cloth Sintered Filter Cartridge

Cobetter **CSSC**® Cylindrical Stainless Steel Wire Cloth Sintered Filters with multiple layers of 304 or 316 sintered stainless steel wire cloth that 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.

A long lifespan with excellent re-using properties.





Features and Benefits

- Pure stainless steel structure
- 5 layers of 304 or 316 stainless steel wire cloth
- Reinforcing layer
- Homogenous pore sizes
- Superior strength and corrosion and thermal resistance
- Cartridge can be cleaned and re-used
- Excellent re-using properties
- No fiber releasing

Materials of Construction(Five Layers)

Protective Layer	304/316 stainless steel
Filter Layer	304/316 stainless steel
Dispersion Layer	304/316 stainless steel
First Reinforcing Layers	304/316 stainless steel
Second Reinforcing Layers	304/316 stainless steel

Nominal Dimensions ❶

Diameters	60mm

❶ Additional Diameter Specifications Available Upon Request

Configurations

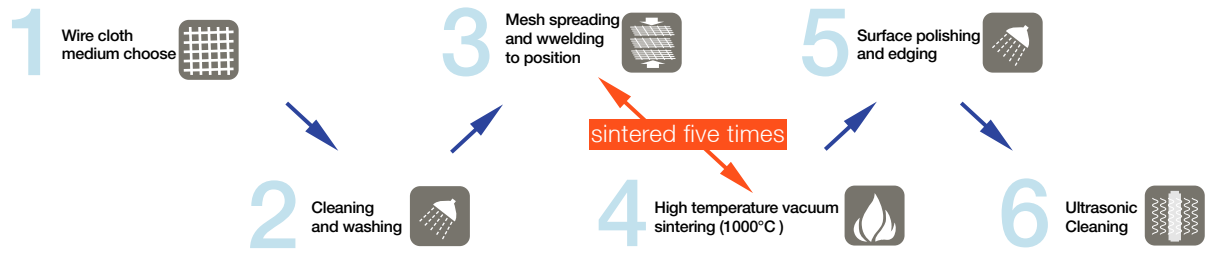
Double Open-End (DOE)

Single Open-End (SOE)

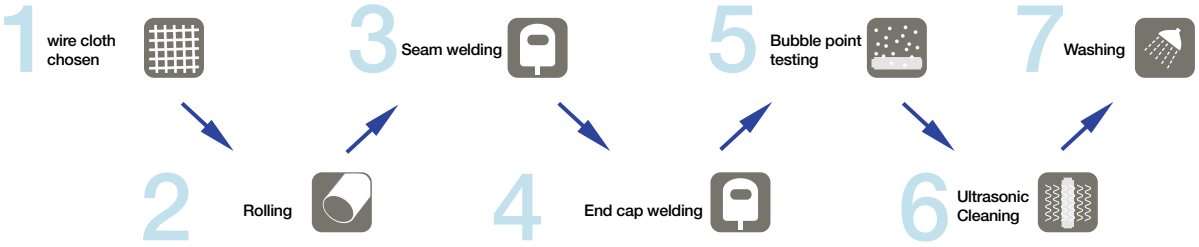
Operating Conditions

Max. Differential Pressure	3.0 bar / 21°C (forward flow)
Recommended Continuous Operating Temperature Range	-75°C to +200°C Note: Temperature dependant on o-ring compound

Manufacturing Process for 5-Layer Stainless Steel Wire Cloth Sintered Filter



Manufacturing Process for Cobetter CSSC 5-Layer Stainless Steel Wire Cloth Sintered Filter



Parameters

Code	Liquid Pore Size (μm)	Removal Ratings(μm)	Pore Efficiency	Absolute Removal Rating (μm) ❷	Average Air Permeability (L/dm²min)❸	Flow Rate (m³/h) ❹
1	2.0	0.8	38%	8-9	2.35	0.25
2	5.0	1		12-14	2.42	0.43
3	10	3		16-18	3.00	0.50
4	20	15		28-32	4.50	0.58
5	40	25		58-63	7.10	0.67
6	100	85		125-130	16.20	0.8

❷ Bubble Point Testing
❸ Tested according to GB/T8786; Differential Pressure of 200Pa (in air)
❹ Liquid Viscosity of 1 CP·S; diameter of 65mm; length of 10inches; pressure of 1.0bar

Length and Area❺

Length	Filtration Area ❻
5 in. (127 mm)	0.025m²
10 in. (254 mm)	0.05m²
20 in. (508 mm)	0.10m²
30 in. (762 mm)	0.15m²
40 in. (1016 mm)	0.20m²

❺ Length and Other Sizes Are Customizable
❻ Tested Filter Diameter is 65mm

Ordering Information

CSSC | Removal Ratings | End Cap | Nominal Length | Diameter | Seal Material | **-F**

Removal Ratings	End Cap	Nominal Length	Diameter	Seal Material
0200 =2.0 μm	**DOE** =Double open end	**05** = 5"	**D25** =25mm	**S** =Silicon
0500 =5.0 μm	**TC** =222/Flat	**10** =10"	**D30** =30mm	**E** =EPDM
1000 =10 μm	**SC** =226/Flat	**20** =20"	**D50** =50mm	**V** =Viton
2000 =20 μm	**L** =Screw	**30** =30"	**D65** =65mm	**P** =PFA/Viton
4000 =40 μm		**40** =40"	**D70** =70mm	**F** =PTFE
100H =100 μm				

Cleaning and Washing

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