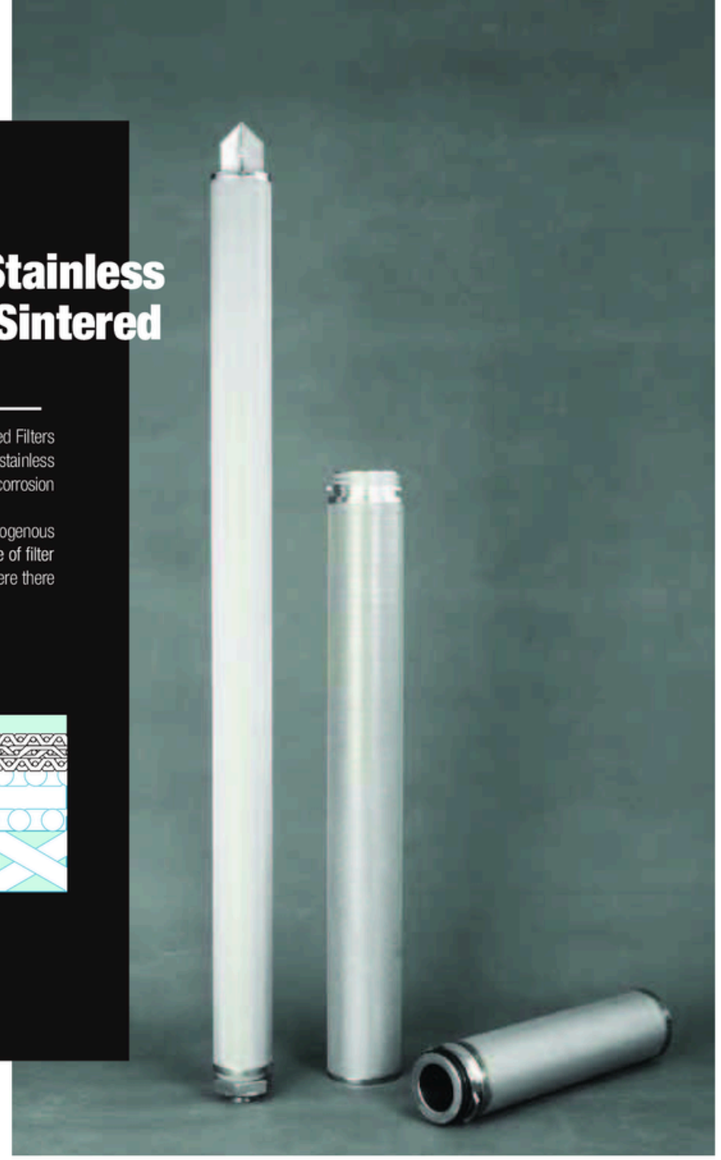
CSSC Cylidrical Stainless Steel Wire Cloth Sintered

Filter Cartridge

Cobetter Cylindrical Stainless Steel Wire Cloth Sintered Filters (CSSC) 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 homogenous 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

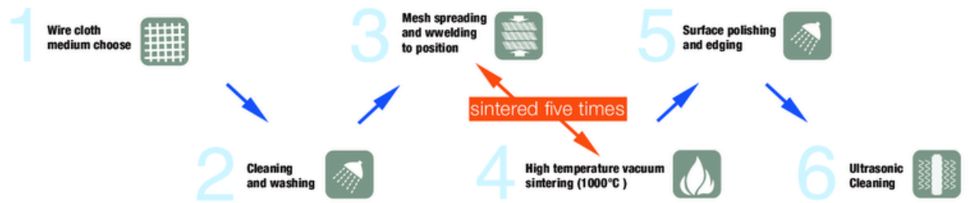
Double Open-End (DOE)
Single Open-End (SOE)

Operating Conditions

Max. Differential Pressure	3.0bar
Max. Operating Temperature	480°C

cobetter® filtration

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



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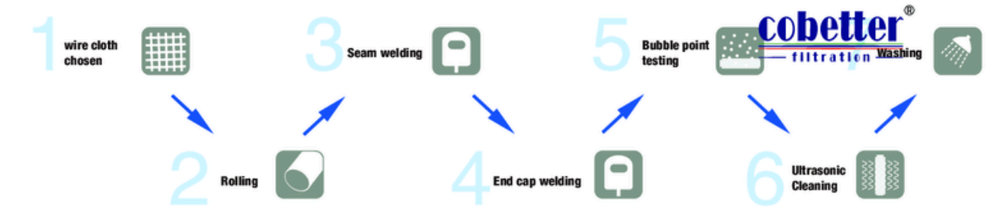

Parameters

Code	Removal Ratings(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 Area ❺

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

	Removal Ratings	End Cap	Length	Diameter	Seal Material
CSSC	0200	DOE	05	D25	S
	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

FILTRATION
P S A