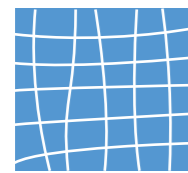


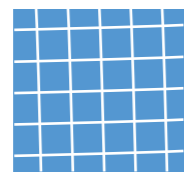
# PSSC Pleated Stainless Steel Wire Cloth Filter Cartridge

Cobetter 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 high flow rates.

PSSC Filter Cartridge has superior strength and thermal resistance, which makes it the ideal filter for high pressure and temperature applications.



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



The Sintered Wire Cloth has a solid internal structure ensuring that the components of the filter will not shift and affect the removal ratings.

## Features and Benefits

- ALL-Stainless Steel Construction
- Pleated Wire Cloth
- Inside Support Layer
- Outside Protection Net Available
- Homogenous Pore Sizes
- High Temperature; Corrosive and Oxidation Resistant
- High Pressure Back-Flushing Available
- Able to be Cleaned and Reused
- No Fiber Releasing

## Materials of Construction

Inside Support Layer	304/316 Stainless Steel
Filtration Medium	304/316 Stainless Steel
End Cap	304/316 Stainless Steel
Outside Protection Net(Optional)	Outside protection net recommended when the operating pressure is up to 0.2 MPa

Note: For filters with removal ratings of over 20µm only 316L stainless steel is available

## Configurations

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

## Operating Conditions

Maximum Differential Pressure	8.6 bar
Maximum Operating Temperature	480°C

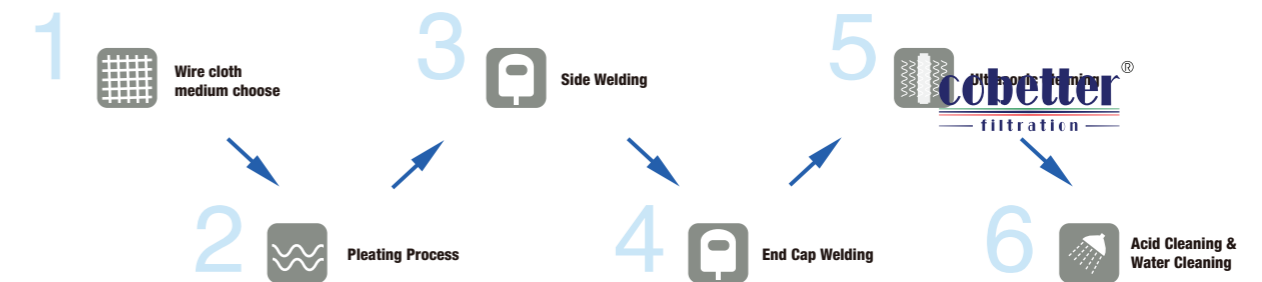


## Nominal Dimensions<sup>①</sup>

Diameters	65mm
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① Additional Diameter Specifications Available Upon Request

## Production Process of PSSC Pleated Stainless Steel Wire Cloth Filter Cartridge



## Parameters

Code	Removal Ratings(µm)	Removal Ratings(µm)	Pore Efficiency	Absolute Removal Rating (µm) ②	Average Air Permeability (L/dm <sup>2</sup> min) ③	Flow Rate (m <sup>3</sup> /h) ④
1	2.0	0.8	38%	8-9	2.35	1.8
2	5.0	1		12-14	2.42	2.0
3	10	3		16-18	3.00	2.1
4	20	15		28-32	4.50	2.5
5	40	25		58-63	7.10	3.5
6	100	85		125-130	16.20	5.0

② Testing Performed According to GB/T5453; Testing DP is 200Pa; Testing Medium is Air  
 ③ Testing Liquid Viscosity is 1CPS; Filter Tested with 60mm diameter and 300mm length; Testing Pressure is 1.5 bar  
 ④ Bekaert Filtration Media

## Length and Area<sup>⑤</sup>

Length	Filtration Area <sup>⑥</sup>
5 in. (127 mm)	0.096m <sup>2</sup>
10 in. (254 mm)	0.19m <sup>2</sup>
20 in. (508 mm)	0.38m <sup>2</sup>
30 in. (762 mm)	0.57m <sup>2</sup>
40 in. (1016 mm)	0.76m <sup>2</sup>

⑤ Length and Other Sizes Are Customizable  
 ⑥ Tested Filter Diameter is 65mm

## Ordering Information

	Removal Ratings	End Cap	Length	Diameter	Seal Material
<b>PSSC</b>	<b>0200</b>	<b>DOE</b>	<b>05</b>	<b>D25</b>	<b>S</b>
	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
te Colloids	Soaking in a solvent to dissolve colloid

## Distributed by



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