



Sintered SS Filter Cartridges

Sintereflo metal powder media cylinders and candle filter elements are ideal for process filtration applications where high strength and excellent corrosion and temperature resistance are required.

Manufactured from isostatically compacted and sintered metal Powder ensures excellent powder uniformity and strength for Superior filtration performance and long life.

The Benefits:

Sintereflo Filter elements and cylinders have several key benefits:

- Stainless steel is ideal for long-term use in particularly aggressive high temperature environments.
- Cleanable and regenerable using back flushing, ultrasonic and other commonly used procedures over many cycles ensuring long service life.
- Can be fabricated into single or multiple filter lengths, to retrofit existing vessels and replace less efficient filter types.
- Isostatically pressed and vacuum sintered cylinders offer excellent uniformity of media and filtration performance.

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Typical Gas Applications:

- Synthetic gas catalyst recovery
- Saline gas filtration in silicon production
- Process steam for pharmaceutical and other Industries
- Air, Nitrogen, Carbon dioxide, Argon, Helium, Ammonia
- High pressure ethylene
- Uranium hex fluoride gas and other nuclear application
- High temperature filtration

Typical Liquid Application:

- Corrosive Liquids
- Solvents, Ketones, Esters, Amines, other Hydrocarbons

- Feed water / Make-up water
- Cryogenic fluids
- Ethylene glycol
- Caprolactam catalyst recovery
- Hydrogenation catalyst recovery
- Hydrogen Peroxide catalyst recovery

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Materials

- Medium: SS316L Grade, (other Grade & Alloys are available upon request)

Micron Removal Ratings

- Micron Rating for Gas: 0.5 Micron to 10 Micron
- Liquid: 1 Micron to 60 Micron

Dimensions

- Nominal lengths: 10" / 254 mm, 20" / 508 mm, 30" / 762 mm, 40" / 1016 mm and custom lengths also.
- Outside Diameter: 60mm (Other Diameter Available on Request)
- Inside Diameter: 56 mm

Operating Conditions

- Maximum Pressure: 70 Bar
- Maximum Differential Pressure: 1.2 Bar
- Maximum Temperature Range: 600°C

Effective Filtration Area

- 0.5 ft2 (0.05 m2)/10"

End Fittings:

- Double Open End
- SOE - One end closed, External 222 or 226 "O" Ring
- Threaded type with one end closed.

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| Item Code | Size | Length | Micron | End Cap Configuration |
|-----------|---------------|----------|-----------------|--|
| SSS | ST - Standard | L1 – 10" | M0 – 0.5 Micron | 0 – Double Open End |
| | | L2 – 20" | M1 – 1 Micron | 6 – Fin Closed End, External 222 "O" Ring type |
| | | L3 – 30" | M2 – 5 Micron | 7 - Fin Closed End, External 226 "O" Ring type |

| | | | | |
|--|--|----------|----------------|-------------------|
| | | L4 – 40" | M3 – 10 Micron | 1 - Threaded Type |
| | | | M4 – 20 Micron | |
| | | | M5 – 50 Micron | |