

DIYA TRADERS

Filtration Made Simple

Stainless Steel Cartridges



Stainless steel cartridges are designed to overcome the temperature and chemical compatibility limitations of fabric or synthetic fiber media. This will offer very high temperature resistance & can withstand high differential pressure. Stainless steel cartridges are offered in SS 304, SS 316, & SS 316 L materials. These elements can be plain cylindrical or in pleated configuration to increase filtration area. Normally all stainless steel pleated & cylindrical filters are supported with coarser filter media to ensure no direct damages to main filtering media under process upsets. A bubble point test can be done to certify that no opening larger than the specified pore size exist in product joints or seams. No media migration occurs due to stainless steel material. These elements can be back washed & reused

Type Of Filters

- Stainless steel wire mesh type
- Stainless steel sintered metal powder type
- Stainless steel random fiber / sintered metal fiber type
- Stainless steel multi layered wiremesh

Type Of Filter Design

- Plain cylindrical design
- Pleated configuration design
- Welded design

Features & Benefits

- Stablepore Shapes
- High permeability
- Low pressure drop
- High dirt-holding capacity (longer lifetime)
- High temperature resistance
- High differential pressure withstand capacity
- Strong corrosion resistant
- Back flushing
- Excellent mechanical strength
- No media migration
- Customized Sizes available

Construction Of Sintered Material

The composite fiber material is sintered together with a wire mesh under vacuum conditions and rolled to form mats of a specific thickness. Stainless steel cartridges can be wrought into tubes, cartridges or disks, plain, pleated or according to customer requests.

Technical Specifications

• Sizes	10", 20", 30" 40" Long (Customized Sizes Are Available)
• Micron Rating	0.2, 0.5, 1, 3, 5, 10, 20, 25, 50 & More
• Standard Outside Diameter	64 mm
• Inner Diameter	28 mm

Configuration

- Double Open Type (DOE Type)
- Code 7S (226 'O' Ring Design / Bayonet)
- Code 7F (226 'O' Ring Design / Flat)
- Code 3S (222 'O' Ring Design / Bayonet)
- Code 3F (222 'O' Ring Design / Flat)
- 1" NPT / BSP Connection

Applications

- Catalyst Recovery In Petrochemical / Chemical Industries
- Polymer Filtration
- Cross Flow Filtration
- Gas Filtration
- Analytical Devices
- Medical devices
- Oil Filtration
- Aerosol Application
- Gas – Liquid Separation
- Hot Gas Filtration
- Fuel & Hydraulic Oil Filtration
- R.O. Pre Filtration

