



Sintered SS 316L Powdered Filter Cartridges



Overview

- Sintered SS 316L Non woven fiber media is manufactured from Bundle drawn SS 316L Fibers.
- Fibers are Cut to specific Length & Compressed at High pressure followed by High Temperature sintering in Furnace bringing Excellent Porosity and Strength at Very high Operating & differential pressure
- The Sintered Non-Woven fiber Media has a maximum porosity of 80 % and thickness of 0.6 mm-to -1.0 mm and can be converted to cylindrical or pleated shape filter cartridges of required diameter & length with required filtration area.

Features & Benefits

- Low pressure drops, Excellent cleanability and dirt holding capacity offers long service life.
- End caps and connectors are weldable by Pulse tig –or - Micro plasma welding
- Manufacture in clean room areas.
- Cleaned with Ultrasonication before final Inspection & Packing
- Pleated filter is multi layered structure, Nominal rated filtration efficiency filter media
- Allowable Temperature : 250°C, Fe Cr Alloy can Handle 6000C
- Max Op. Pressure : 200 kg/cm²

Application

- Compressed Air, Hot Gas, Nitrogen filtration
- Process fluids, Chemicals, Solvents, Fine chemicals, Monomer, polymer filtration
- Fluidisation, Air Quenching, Air Sparging
- Vent Filter, Agro Chemical, Pharma Powder Recovery

Specification

- Filter media : SS 316L
- Upstream and downstream filter support : 40 mesh SS 316L wire-mesh
- Core : Perforation / With or Without Spring
- End cap : SS 304 / SS 316L
- Gasket/O-ring : Silicone/ PTFE / Viton / FEP Encapsulated Silicon
- Type of caps : DOUBLE OPEN END, CODE VII, CODE II, BSP / NPT threaded
- Filtration rating : 1, 3, 5, 10, 20um
- Outer diameter : Standard 64 mm & Other diameters are available on request
- Length : Standard 5", 10", 20", 30", 40" & Other lengths are available on request