

Sintered Stainless Steel Powder Filter Element

This filter element provides depth filtration with high mechanical strength. It has good integrity and rigidity.



Overview

Industrial Filtration Excellence

These sintered powder filter elements are engineered from high-quality 316L stainless steel and titanium to provide superior depth filtration for demanding environments. They offer exceptional mechanical strength, heat resistance up to 816°C, and excellent corrosion resistance, making them ideal for high-temperature gas and liquid purification. Designed for durability and precision, these filters ensure high integrity and permeability across a wide range of industrial applications.

Technical Specifications

Filter Rating	0.22 Microns
Max Operation Temperature	816 °C
Raw Materials	SS 316L, Titanium

Dimensions and Geometry

Dimensional Options

Dimension	Available Values
Outside Diameter	10 - 100 mm
Standard Lengths	254, 508, 762, 1016 mm

Compatibility

Connector Options

- DOE
- 220
- 222
- 226
- Threaded (NPT, BSP, G, M, R)
- Flange
- Custom configurations

Gasket Materials	PTFE, Viton, Silicone, Buna-n, EPDM
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Key Features

Performance Benefits

Depth Filtration • High Mechanical Strength • Corrosion Resistant • Heat Resistant • High Permeability

Applications

Primary Applications

- Catalyst filtration and purification
- High temperature gas filtration (Petroleum & Chemical)
- Flue gas filtration (Metallurgical)
- Fluidized bed off-gas purification
- Nuclear power plant dust filtration