Sintered Stainless Steel Powder Filter Element

This filter element provides depth filtration and high mechanical strength. It also features good integrity and rigidity.

Product Overview

High-Performance Sintered Filter Elements

These sintered stainless steel powder filter elements are engineered for demanding industrial environments requiring superior filtration efficiency. Designed with a uniform pore structure, these components provide excellent mechanical strength, rigidity, and high-temperature resistance. They are specifically suited for catalyst purification and high-temperature gas filtration in the petroleum, chemical, and nuclear power sectors.

Technical Specifications

Filter Rating

0.22 μm	100 μm
Min Rating	Max Rating

Size Range

- Outside Diameter: 10-100 mm
- Lengths: 254 mm, 508 mm, 762 mm, 1016 mm

Raw Materials	SS 316L, Titanium
Max Operating Temperature	816
Gasket Materials	PTFE, Viton, Silicone, Buna-n, EPDM

Design & Configuration

Available Connectors

Connection Type
DOE
220 / 222 / 226
Thread (NPT, BSP, G, M, R)
Flange
Custom Special

Key Features

Performance Benefits

Depth filtration • High mechanical strength • Good integrity • High permeability • Heat resistant • Corrosion resistant

Applications

Primary Applications

- Catalyst filtration and purification
- Petroleum and chemical industry gas filtration
- Metallurgical flue gas purification
- Fluidized bed off-gas filtration
- Nuclear power plant dust filtration