

# Sintered Metal Powder Filter Element

This filter element provides depth filtration and high mechanical strength. Its good integrity and rigidity make it suitable for various filtration systems.



## Product Overview

### High-Performance Sintered Metal Filtration

This sintered metal powder filter element is engineered for demanding industrial environments requiring robust depth filtration. Constructed from high-quality SS 316L or titanium, it offers exceptional mechanical strength, heat resistance, and corrosion resistance. Its porous structure ensures reliable permeability, making it an ideal solution for high-temperature gas purification, catalyst recovery, and critical fluid processing applications.

## Technical Specifications

### Dimensions

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

### Gasket Materials

PTFE • Viton • Silicone • Buna-n • EPDM

### Connector Options

- DOE
- 220
- 222
- 226
- Thread (NPT, BSP, G, M, R)
- Flange
- Special customization

### Raw Materials

SS 316L, Titanium

### Filter Rating

0.22-100 Microns

### Max Operating Temperature

816 °C

## Key Features

### Key Performance Features

- Depth filtration
- High mechanical strength
- Good integrity and rigidity
- Good permeability
- Heat resistance
- Corrosion resistance

## Applications

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#### Industry/Process

Catalyst filtration and purification

High temperature gas filtration (Petroleum/Chemical)

High temperature flue gas filtration (Metallurgical)

Off-gas filtration (Fluidized bed)

Nuclear power plant off-gas and dust filtration