

# Sintered Titanium Powder Filter Cartridge

This filter cartridge utilizes depth filtration for effective particle removal. Its sintered construction provides high mechanical strength, good integrity, and rigidity.



## Product Overview

### Industrial Grade Sintered Titanium Filter

The Sintered Titanium Powder Filter Cartridge is engineered for high-performance filtration in aggressive industrial environments. Its sintered construction provides exceptional mechanical strength, heat resistance, and corrosion stability, making it an ideal choice for high-temperature gas and liquid purification. With precise pore size control and excellent backwashing capabilities, this filter ensures long-term operational efficiency in chemical, petroleum, and nuclear industries.

## Technical Specifications

### Filter Rating

**0.22  $\mu$ m**

Minimum Rating

**100  $\mu$ m**

Maximum Rating

### Available Lengths

- 254 mm
- 508 mm
- 762 mm
- 1016 mm
- Custom lengths available

### Connector Options

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

### Operating Temperature

300

### Outside Diameter

10 - 100 mm

### Gasket Materials

PTFE, Viton, Silicone, Buna-n, EPDM

## Features & Benefits

### Key Features

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

## Applications

### Primary Applications

Industry	Function
Petroleum & Chemical	High temperature gas filtration
Metallurgical	Flue gas purification
Pharmaceutical	Catalyst filtration
Nuclear Power	Off-gas and dust filtration