

# Sintered Metal Powder Filter Disc

Sintered powder filter discs are manufactured by pressing and sintering metal powders to create a porous structure. The uniform pore size distribution ensures efficient particle retention and controlled flow rates.



## Overview

### High-Performance Sintered Metal Filtration

These sintered powder filter discs are engineered through precision powder metallurgy to create a robust, porous structure suitable for demanding industrial environments. Offering excellent mechanical integrity, depth filtration capabilities, and thermal resilience, they are essential components for critical flow control and purification processes. They provide reliable particle retention across a wide range of micron ratings, making them ideal for high-pressure and corrosive fluid systems.

## Technical Specifications

Material Options	SS 316L, Titanium
Filter Rating Range	0.22 - 100 Microns
Maximum Operating Temperature	816

## Dimensions

### Available Dimensions

Parameter	Constraint
Max Diameter	400 mm
Available Thicknesses	1, 1.5, 2, 3, 5 mm

## Performance Features

### Performance Benefits

- Depth filtration architecture
- High mechanical strength
- Excellent structural integrity and rigidity
- Superior permeability
- Heat resistance
- Corrosion resistance

## Applications

### Typical Applications

Sensors • Inductors • Detectors • Survey Meters • Pressure Release Devices • Polymer Extrusion • Electrodes