

Custom Sintered Filters – Engineered for Precision Performance

At ScreenTek Mfg, we specialize in the custom manufacturing of sintered metal filters designed to meet the highest standards of filtration performance and durability. Our filters are engineered for use in demanding environments where consistent flow, corrosion resistance, and precise particle retention are critical.

Whether you require a standard configuration or a fully customized solution, we provide sintered filters in all alloys, geometries, and micron ratings tailored to your specifications.

Applications

- Pharmaceutical & biotech processing
- Petrochemical and chemical industries
- Hydraulic and pneumatic systems
- Gas and liquid filtration
- Food & beverage processing
- High-temperature filtration systems
- Aerospace and defense filtration

Advantages

- Custom micron ratings from 0.5 μm to 250 μm
- High structural integrity under pressure
- Uniform porosity for consistent flow rates
- Corrosion, heat, and chemical resistance
- Cleanable and reusable for extended service life

Specifications Sheet

Property	Specification Range
Micron Ratings	0.5 µm to 250 µm
Operating Temperature	Up to 1000°C (depending on alloy)
Porosity	25% to 60%
Pressure Drop	Low, with high flow efficiency
Configurations	Discs, cones, tubes, plates, domes, baskets
Wall Thickness	0.020" to 0.250"
Particle Retention	Surface and depth filtration available
Cleaning Options	Backflush, ultrasonic, solvent-compatible

Available Alloys

Stainless Steel

- 316L (standard for corrosion resistance)
- 304 / 304L
- 310 / 321 (for high-temperature stability)

Special Alloys

- Hastelloy® C-22, C-276 (for aggressive chemical environments)
- Inconel® 600, 625, 718 (for thermal and corrosion resistance)
- Monel® 400, K-500 (for marine and alkaline conditions)
- Titanium Grade 2 and Grade 5 (lightweight and corrosion-resistant)
- Nickel 200, 201 (for high purity and caustic environments)
- Bronze / Brass (for non-sparking or specialty use)

Custom Solutions

- Prototype development
- Engineering consultation
- Performance testing
- Small to large-scale production
- OEM and private label manufacturing