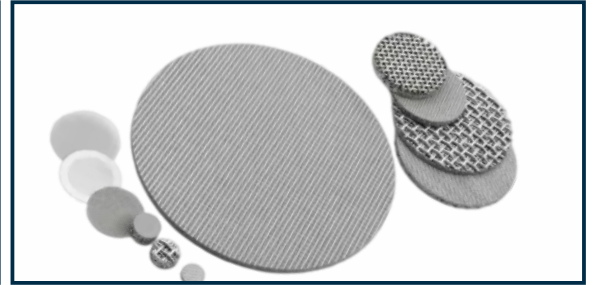


Sintered Mesh Filter Element



Material

AISI 304, AISI 304L, AISI 316, AISI 316L, alloy steel Hastelloy, Monel, Inconel, etc.

Specification

Filter rating: 1–200 μm .

Standard size (mm): 300 × 1000, 300 × 1500, 500 × 1000, 600 × 1200, 1000 × 1000, 1200 × 1200, 1000 × 1500, 1200 × 1500.

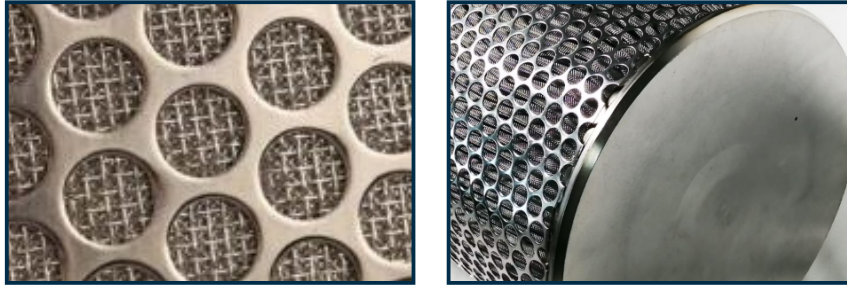
Thickness: 0.5–2 mm.

Application

Liquid/solid filtration, surface filtration for dust removal, sieve plates, deaerator filters, backwashing filters (also automated), cleaning baskets for small components.

Model	Structure	Filter rating (μm)	Thickness (mm)	Weight (kg/m^2)	Porosity (%)
PS2-0.5T	Filter layer + 60	2 – 100	0.5	1.6	60
PS3-0.7T	60 + Filter layer + 60	2 – 100	0.7	2.4	56
PS3-1.0T	50 + Filter layer + 20	20 – 200	1.0	3.3	58
PS3-2.0T	Filter layer + 20 + 8.5	20 – 250	2.0	6.5	58
PS4-1.0T	60 + Filter layer + 40 + 20	2 – 200	1.0	4.4	44
PS4-1.7T	40 + Filter layer + 20 + 16	2 – 200	1.7	6.2	54
PS5-1.9T	30 + Filter layer + 60 + 20 + 16	2 – 200	1.9	5.3	52
PS5-2.5T	80 + Filter layer + 30 + 10 + 8.5	2 – 200	2.5	8.8	55
PS7-2.0T	50 + Filter layer + 40 + 20 + 40 + Filter layer + 50	2 – 150	2.0	7.4	58

Perforated Metal Sintered Mesh



Material

AISI 304, AISI 304L, AISI 316, AISI 316L, alloy steel Hastelloy, Monel, Inconel, etc.

Specification

Filter rating: 1–200 μm .

Standard size (mm): 300 × 1000, 300 × 1500, 500 × 1000, 600 × 1200, 1000 × 1000, 1200 × 1200, 1000 × 1500, 1200 × 1500.

Perforated sintered mesh thickness: 2–5.3 mm.

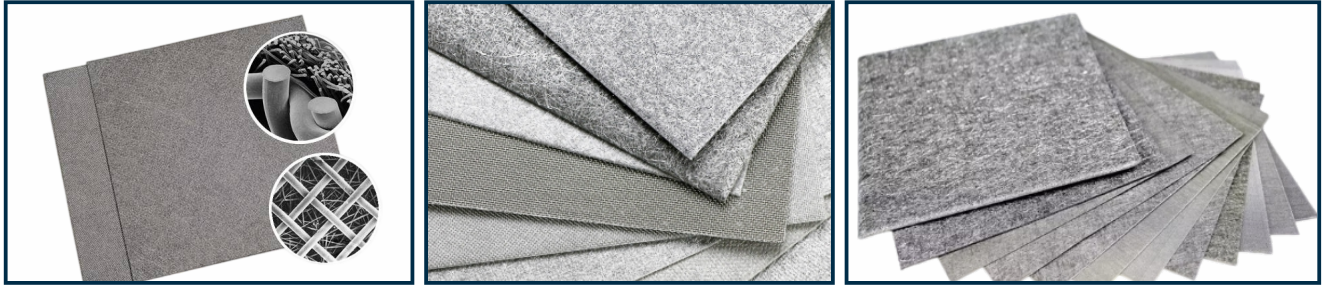
Perforated metal sheet thickness: 1–4 mm.

Application

Stable deaeration filters, Nutsche filter plates, spray dryers, drying plant, baskets for cleaning equipment and filter drums for cooling lubricant equipment.

Model	Filter rating (μm)	Structure	Thickness (mm)	Weight (kg/m^2)	Porosity (%)
PES4-2.0T	2 – 200	30+Filter layer+30+ $\phi 4 \times 5\text{P} \times 1.0\text{T}$	2.0	6.7	57
PES4-2.5T	2 – 200	30+Filter layer+30+ $\phi 5 \times 7\text{P} \times 1.5\text{T}$	2.5	9.8	50
PES5-3.0T	2 – 200	60+Filter layer+60+20+ $\phi 6 \times 8\text{P} \times 2.0\text{T}$	3.0	11.8	50
PES5-3.5T	2 – 200	20+Filter layer+20+10+ $\phi 8 \times 10\text{P} \times 2.0\text{T}$	3.5	12.6	54
PES5-4.0T	2 – 200	20+Filter layer+20+10+ $\phi 8 \times 10\text{P} \times 2.5\text{T}$	4.0	14.2	55
PES5-4.3T	5 – 200	20+Filter layer+20+10+ $\phi 10 \times 13\text{P} \times 3.0\text{T}$	4.3	16.9	50
PES5-5.3T	5 – 200	20+Filter layer+20+10+ $\phi 10 \times 13\text{P} \times 4.0\text{T}$	5.3	20.6	51

Stainless Steel Sintered Fiber Felt



Specification

Categories: sintered fiber with protective mesh (one or two layers of protective meshes); sintered fiber without protective mesh.

Material: SS 316L for sintered metal fiber; SS304, SS304L, SS316, SS316L for protective mesh.

Sheet size (mm): 500 × 500, 500 × 1000, 600 × 1000, 1000 × 1000, 1200 × 1000, 1480 × 1000.

Processed appearance: plate, candle, wave, etc.

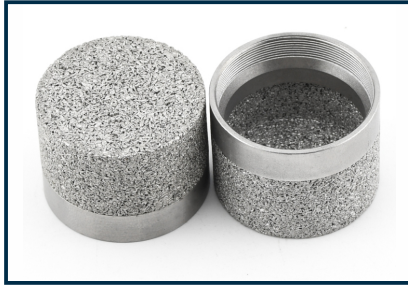
Feature

- ◎ Three-dimensional mesh.
- ◎ High porosity.
- ◎ Large surface area, uniform distribution.
- ◎ High pollutant carrying capacity.
- ◎ Working at 600 °C for a long time.
- ◎ Resistant to acid, alkali, organic solvent and drug corrosion.
- ◎ Easily remove trapped particulates by dusting or blowing air.

Application

- Polymer filtration, petrochemical industry, high temperature gas dedusting.
- Filtration of oil refining process, viscose filtration, prefilter for ultrafiltration device.
- Vacuum pump protection filter, membrane support.
- Catalyst carrier, airbag, fuel filter and hydraulic system filter in plane and warship.

Stainless Steel Powder Sintered Filter



Material

SS304, SS304L, SS316, SS316L, etc.

Specification

Porosity: 28% – 50%.

Filter rating: 1–250 μm.

Diameter: 2–250 mm.

Length: 2–1500 mm.

Thickness: more than 2 mm.

Feature

- ◎ Stable shape, excellent impact resistance ability.
- ◎ Good air permeability, good separation ability.
- ◎ Suitable for high temperature gas filter below 500 °C.
- ◎ It could connect various flanges via welding.
- ◎ Resistant to acid, alkali and extreme temperatures.
- ◎ Can be reused after washing.

Application

- Recovery catalyzer.
- Gas-liquid separation in chemical industry, medicine, drinks, food, metallurgy, petroleum, environmental fermentation.
- Remove dust, bacteria, oil mist in various gas, steam.
- Silencer, flame resistance, gas buffer.

Cleaning methods

- Pharmaceutical, food and beverage industries: hot water flush; steam clean; water backwash; brush clean; compress air blow.
- Chemical industries: chemical solvent clean; ultrasonic cleaning; high pressure water spray rinsing; acid dipping.

Titanium Powder Sintered Filter



Specification

Filter rating: 0.5–50 μm .

Porosity: 20% – 50%.

Compressive strength: 2–3 Mpa.

Diameter: 20–200 mm.

Length: 100–1200 mm.

Thickness: more than 1 mm.

Feature

- ⦿ Working temperature range reaches 500–600 °C.
- ⦿ Suitable for corrosive medium filter, such as hydrochloric acid, sulphuric acid, hydroxide, seawater, aqua, chloride.
- ⦿ Uniform pore size distribution, high pollutant carrying capacity, can be used repeatedly after washing.

Application

Pharmaceutical industry, water treatment industry, food industry, bio-engineering, chemical industry, petrochemical industry, metallurgical industry, gas purification field.

Copper Powder Sintered Filter



Specification

Filter rating: 5–50 μm .

Type: bushing, silencer, cover, cap, plate, tube, bar, etc.

Feature

- ⦿ Highly effective utilization rate of raw material, saving material in great degree.
- ⦿ Stable structure, small pressure loss, the aperture will not change with the change of pressure.
- ⦿ Remove suspended solids and particulates effectively.
- ⦿ Easy to blowback, can be reused, working under high temperature and heat shock.
- ⦿ Resistant to oxidation, corrosion.

Application

- Medium purification and flow limitation for pneumatic components, lubricating oil, fuel, hydraulic pressure system.
- Compressed air purification, crude oil sand filter, nitrogen (no sulfur) filtration.
- Pure oxygen filter, bubble generator, float bed gas distribution.