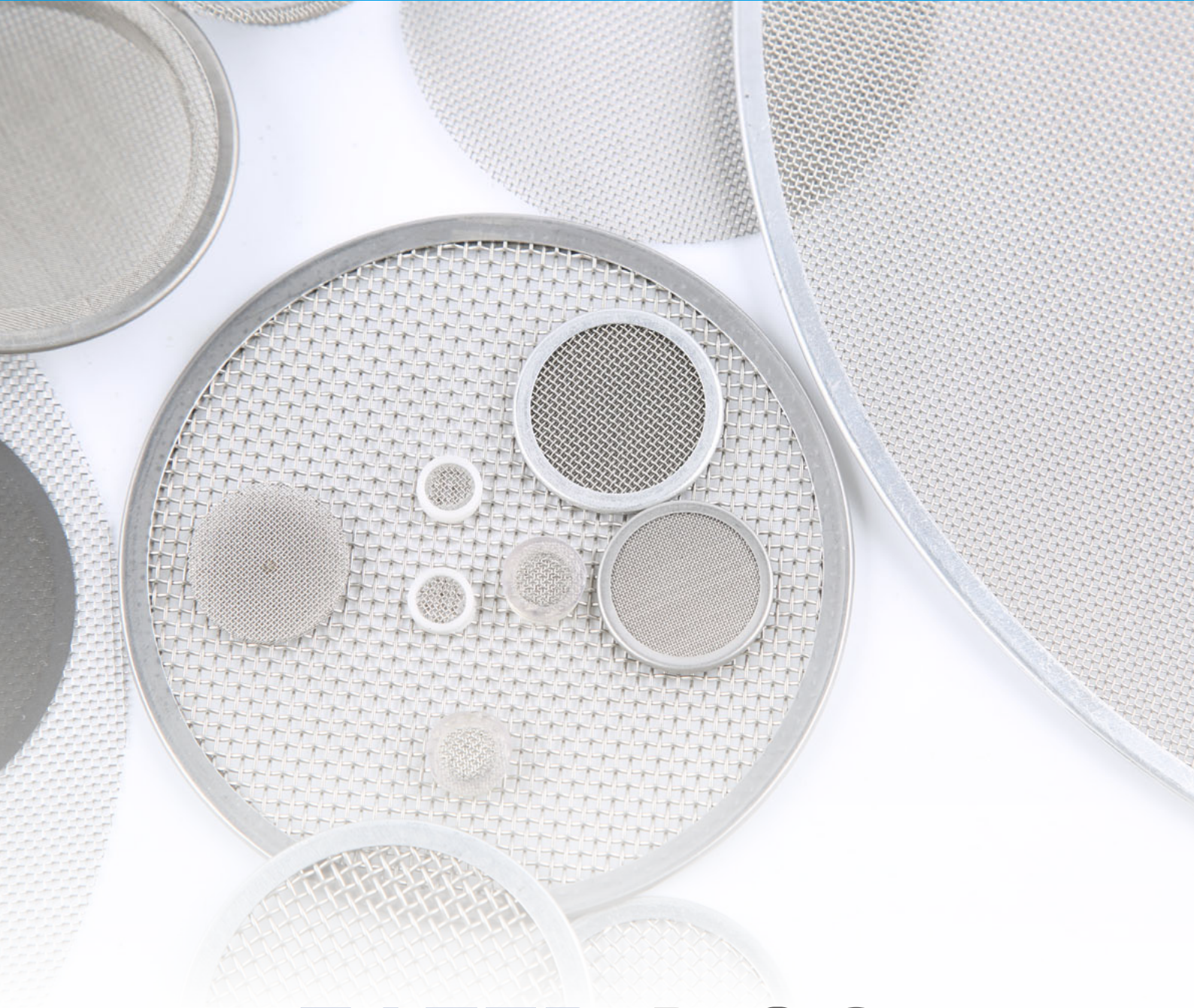




# WALCOOM

Walcoom Corporation

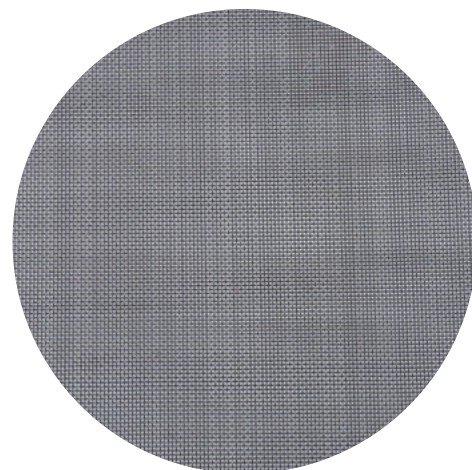


# FILTER DISC

[www.walcoom.com](http://www.walcoom.com)  
E-mail: [sales@walcoom.com](mailto:sales@walcoom.com)

## "Robust Construction, Custom Built, Filtration for a Whole Range of Applications..."

Walcoom Corporation offers multiple choices of metal filter discs in a virtually unlimited variety, in any shape or size. The outstanding manufacturers that we recommend can produce wire cloth, discs, cylinders and related filter elements for the industries which need filtration process. We committed ourselves to be the single source provider for commercial and industrial filtration with our unmatched service.



**Filter disc** is processed by stainless steel woven wire mesh, galvanized wire mesh, sintered mesh, brass wire cloth, etc. Due to its corrosion resistance and mechanical strength, it is mainly used to remove unwanted impurities from fluid, gas or solid. Filter discs are offered in different materials, sizes as well as custom designs which could meet your different filtration demands. The discs find their use in the absorption, evaporation and filtration process in the industries such as petroleum, chemical, metallurgy, food and beverage, medicine and automobiles.

### Features

- High mechanical strength.
- Low pressure drop.
- Good resistance to corrosion and abrasion.
- Chemical and thermal resistance.
- Accurate filtering.
- Multiple choices for materials and dimensions.
- Easy maintenance and replacement.
- All can be cleaned ultrasonically and reusable.
- Extensive applications and in great demand.
- Custom design available.

### Industries served

Pharmaceutical, chemical, metallurgy, medicine, machinery, food and beverage, recycling, plastic, petrochemistry, energy, automobile, mining, cosmetics, oil and gas, etc.

### Categories

For better fit to the working system, all types of metallic filter discs can be customized to your exact specifications.





## ◀ Framed Packs

Single or multiple layers of woven mesh cloths are encapsulated in an aluminum binding. The rigid form of framed packs helps control the flatness of the pack, improving sealing effect and consistency of itself. Most of them could be used in the plastic or rubber melt filtration process and are of the highest quality.

- **Material:** aluminum, brass, copper, stainless steel, and other alloys.
- **Shapes:** square, rectangular, round, oval, circular, etc.
- **Weaving types:** plain weave, twilled weave, dutch weave, plain dutch, twilled dutch, etc.
- **Layer:** single layer or multiple layers.
- **Diameter of packs:** 5–600 mm.
- **Mesh size:** 10–500 meshes.
- **Micron ratings:** 2–300  $\mu\text{m}$ .

## Perforated Disc ▶

Stable filtering performance—fabricated from perforated metal with precise mesh openings which is not easy for changing shapes. Perforated discs are great choice for base or support of sieve meshes, cylinders and other filter elements.

- **Material:** stainless steel 304/304L/316/316L, copper, and other alloys are available.
- **Hole size:** 0.6–10.0 mm.
- **Thickness:** 0.5–2.5 mm.
- **Micron ratings:** 2–100  $\mu\text{m}$ .

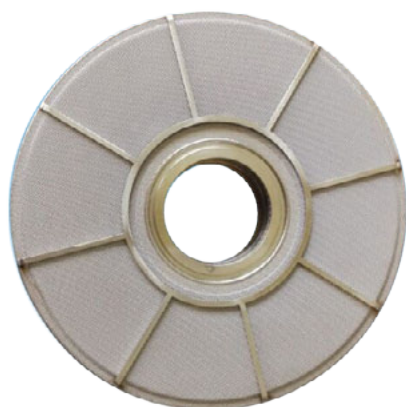


## ▶ Pleated Filter Disc

Manufactured with multiple layers of precision woven wire cloth and/or non-woven fiber metal felt, pleated filter disc is precisely stamped and processes the highest quality. Rimmed and unrimmed forms are available.

- **Material:** stainless steel, copper and other alloys.
- **Filter media:** stainless steel mesh.
- **Diameter:** 9.5–35.0 mm.
- **Overall thickness:** 2.5–4.5 mm.
- **Micron ratings:** 2–200  $\mu\text{m}$ .





## ◀ Leaf Disc Filter

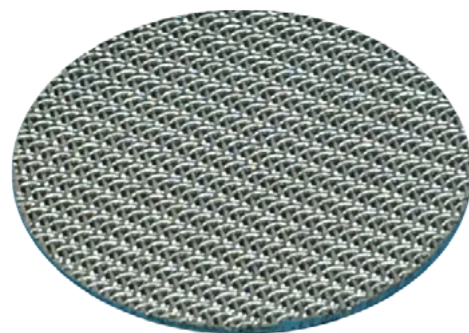
Leaf disc filter, integrated in filtering, washing, drying, is processed by sintered wire cloth laminates or sintered non-woven fiber metal felt media, which is good for high-molecular polymer filtration. The unique design of leaf disc assembly maximizes effective filtration area.

- **Material:** stainless steel 304, 304L, 316, 316L, 317L, 904L, Monel metal, Hastelloy alloy etc.
- **Micron ratings:** 0.5–200  $\mu\text{m}$ .
- **Outside diameter:** 177.8–304.8 mm.
- **Inner diameter:** 72.5 mm (max.).
- **Overall thickness:** 6.5–10.5 mm.
- **Porosity:** 70% – 85%.

## Sintered Metal Filter Disc ▶

Sintered metal filter disc is multi-layer composite of sintered wire mesh and/or sintered fiber felt. These media composites are diffusion-bonded for high-pressure polymer filtration applications. Most discs are custom designed to suit different filtration needs.

- **Material:** stainless steel 304, 316, 316L, FeCrAl, other alloys are customized.
- **Micron ratings:** 2–300  $\mu\text{m}$ .
- **Disc diameter:** 10–3000 mm, and we offer customized sizes.
- **Thickness:** made to order.



*For prompt quotes, please consider the following requirements before you send us an inquiry.*

- **Application:** The type of system it'll be used in.
- **Fluid:** The type of fluid to be purified.
- **Micron Rating:** The size of the smallest particle that needs to be filtered.
- **Dimensions:** Diameter, length, width, height, thickness, etc.
- **Initial Quantity Needed:** The quantity of filters needed.

# FILTER DISC

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