

Y Strainer Basket Filter

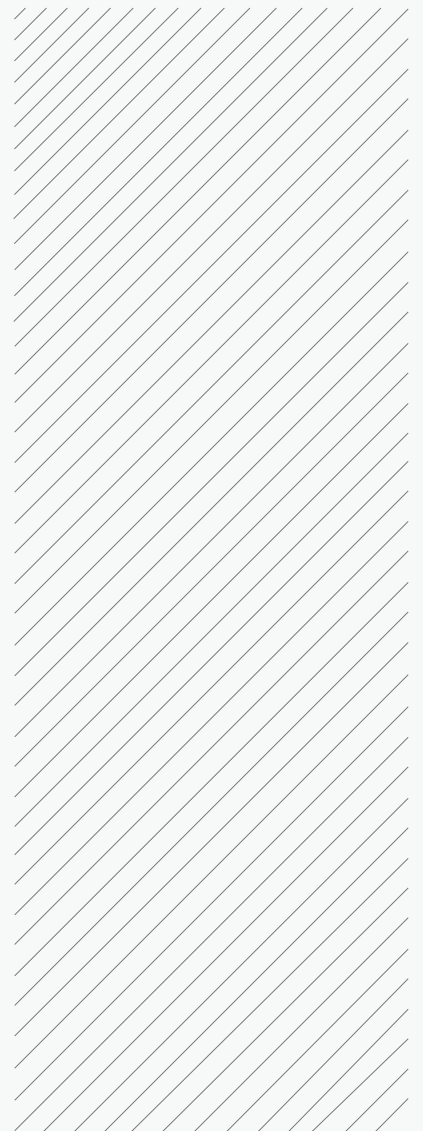
Weave Impossible to Possible



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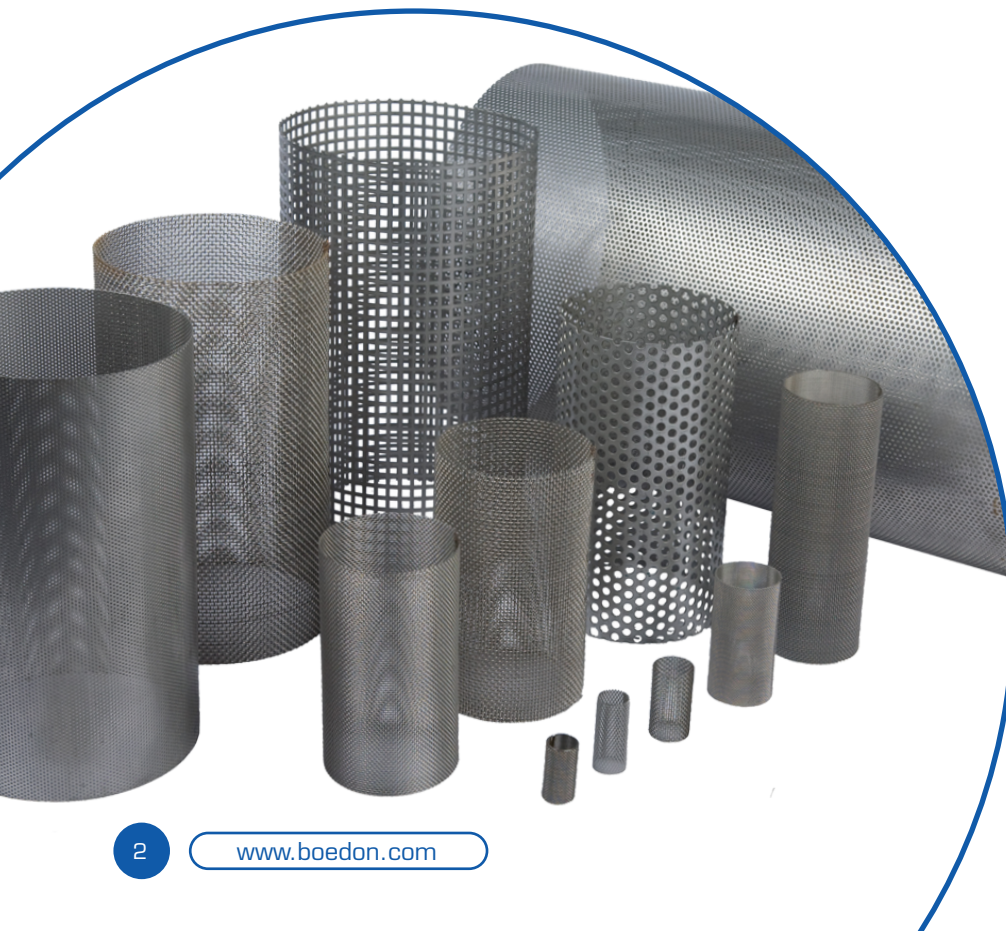
BOEDON Brochure



Y strainer filter is used to remove micro particles in steam, gas and liquid applications.

Y strainer filter is mainly constructed of stainless steel, carbon steel, titanium and other metal alloy perforated metal or woven mesh by welding process. It is an important filter unit for Y type strainers and helps to remove impurities in the medium (gas, steam or liquid) and ensure the normal operation of valves and equipment. It features large filter area, high filter rating, simple structure and long service life, and is widely used in petrochemical, petroleum, natural gas, food & beverage, sewage treatment, etc. Y strainer filters are generally designed to be cylinder shape, or customized upon request.

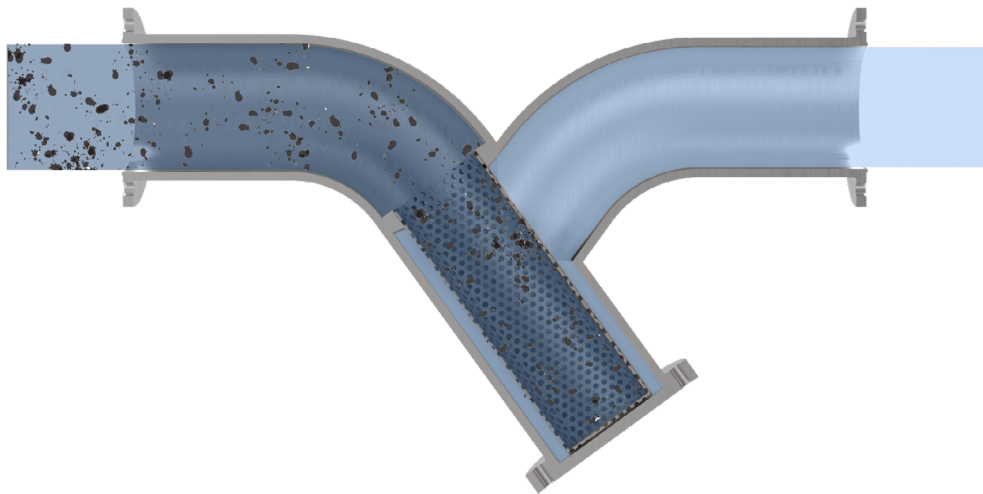
Y Strainer Basket Filter



Y STRAINER FILTER

Working Principle

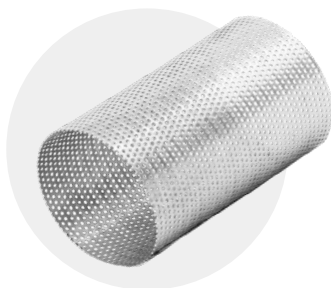
Y strainer filter is a small device installed in Y strainers that is used to remove solid particles in the liquid and get clean liquid. Meanwhile, it protects the normal operation of the equipment. When the Y strainer filter needs cleaning, just take out the detachable strainer filter, clean and reload it. So, it is easy to use and maintain.



Y STRAINER FILTER

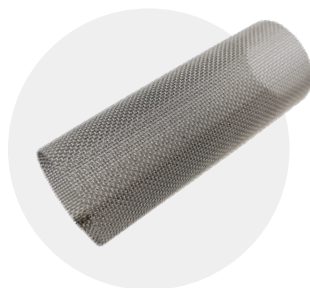
Category

Y strainer filter is mainly constructed of stainless steel, carbon steel, titanium and other metal alloy perforated metal or woven mesh. It can be designed with or without edges or customized upon request.



Single layer perforated metal

Suitable for pipeline system with certain pressure to remove large particulate impurities.



Single layer woven mesh

Suitable for pipeline systems with low pressure yet high filter rating requirements.



Woven mesh + perforated metal double layer

Suitable for pipeline systems with high pressure and fine filtration demands.

Y STRAINER FILTER

Specification

Material: stainless steel, carbon steel, titanium and other metal alloy

Filtration layer: perforated metal/woven mesh/perforated metal + woven mesh

Operating temperature: -10 °C to 400 °C

Operating pressure: 1.6–10 MPa

Filtration efficiency: 99.99%

Mesh count for different media: 18–30 mesh for water supply network; 10–100 mesh for ventilation network and 100–480 mesh for oil supply network.

Filtration layer structure: single-layer perforated metal or woven mesh; double layer perforated metal + woven mesh

Popular Specifications of Perforated Metal

| Hole Size | Open Area |
|-----------|-----------|
| 0.027" | 23% |
| 0.033" | 28% |
| 0.047" | 36% |
| 0.062" | 37% |
| 0.093" | 39% |
| 0.125" | 40% |
| 0.156" | 58% |
| 0.250" | 40% |

Notes:

- Other specifications are available upon request.
- Suitable for Y strainer filters.

Popular Specifications of Woven Mesh

| Mesh Count | Mesh Opening | Open Area |
|------------|--------------|-----------|
| 20 × 20 | 0.030" | 49% |
| 30 × 30 | 0.022" | 45% |
| 40 × 40 | 0.016" | 41% |
| 60 × 60 | 0.010" | 38% |
| 80 × 80 | 0.008" | 36% |
| 100 × 100 | 0.006" | 30% |
| 200 × 200 | 0.003" | 33% |
| 300 × 300 | 0.002" | 29% |
| 400 × 400 | 0.001" | 36% |
| 500 × 500 | 0.001" | 25% |

Notes:

- Other specifications are available upon request.
- Suitable for Y strainer filters.

Y STRAINER FILTER

Features & Application

Features

- Large filter area, high filtration efficiency
- Corrosion resistance, acid and alkali resistance
- High pressure and high temperature resistance
- Simple operation, easy cleaning and maintenance
- Reusable, lower investment cost
- Made of a variety of metal materials, long service life

Application



Water Treatment

Production wastewater purification and filtration



Chemical

Filtering particle impurities from corrosive liquids



Pharmaceutical

Filtration and separation of all catalysts



Food

- Filtering unnecessary impurities during the edible oil extraction.
- Filtering all impurities in food slurry



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