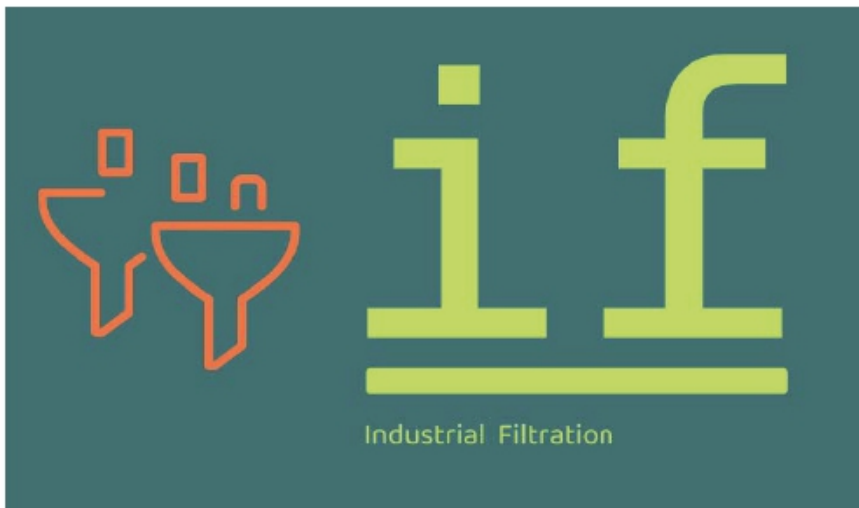


100,000 Models Available

Highly-difficult OEM Sintered Porous Metal Filters

"Accurate Filtration & Intimate Services"





ABOUT US

Our Technology Cprofessional manufacturer engaged in the research, development, production, sale, and service of highly complex sintered porous metal filters and accessories, ultra-high purity and pressure filtration system parts, porous metal sensor housings, food grade stainless steel gas spargers and diffusion stones.

We are committed to solving outstanding technical problems like micro nano high-temperature high-pressure high purity filtration, gas-liquid constant current & current-limiting to fill product function vacancies in this field and help customers improve product competitiveness continuously. We are dedicated to strict quality control and thoughtful customer service, and our experienced staff members are always available to discuss customers' requirements and ensure full customer satisfaction.

Our products are widely used in environmental detection, instrumentation, pharmaceutical equipment, environmental protection, filtration, oil, natural gas, chemical industry, valves, fluids, semiconductors, aviation, new energy, food, health, agriculture and many other fields.

provides customers with a full range of technical support from technical services to new product development and from solutions to process design in order to meet the growing needs of customers with excellent quality, value and service. We look forward to forming a stable and extensive strategic partnership with friends from all walks of life and creating a better future together.

IF Div of **MZCCS LTD UK** visit www.mzccs.co.uk
Industrial Filtration



Product Category

- * Sintered Porous Metal Filters
- * Sintered Powder Stainless Steel Filters
- * Porous Metal Instrument Filters
- * Gas Spargers
- * Stainless Steel Diffusion Stones
- * Porous humidity Sensor Housings
- * Porous Gas Sensor Housings
- * Flow Restrictors
- * Flame Arrestors
- * Ultra High Purity Filters
- * Gas-Liquid High Pressure Filters
- * Porosity Metal Wicking Elements
- * Sintered Bronze Filters
- * Stainless Steel Wire Mesh Filters
- * Pneumatic Air Mufflers

100,000 Design available

7 nano -- 120 microns

Professional Processing



Product Function

- * Filtration separation and purification of gas-solid liquids
- * Uniform dispersion of gas, smooth and constant flow
- * Sampling and protection of precision instruments
- * Powder handling, solid boiling, cooling heat transfer
- * Dust removal and prevention of dust, ventilation and moisture
- * Noise reduction and muffling, pressure regulation
- * Filtration and purification for extreme environments
- * Electrodes

Catalog

■	Stainless Steel/Inconel Filters ·····	1
■	Stainless Steel/Inconel Filter Tubes ·····	2
■	Stainless steel/Inconel Filter Cups ·····	3
■	Stainless steel/Inconel Filter Plates ·····	4
■	Stainless Steel/Inconel Filter Cylinders ·····	5
■	Customized Stainless Steel Filters ·····	6
■	Stainless Steel Filters with Internal/External Threads ·····	8
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Sintered Porous Metal Filters



Stainless steel sintered filter discs are made of stainless steel 316L powder sintered, with excellent strength, corrosion resistance and heat resistance, washable and reusable cartridges, long service life and excellent reusability. Widely used in petroleum, chemical, metallurgy, security and explosion-proof, food and beverage industries.

Filter Sheets Can QEM By 5-Kinds of Metal Materials:

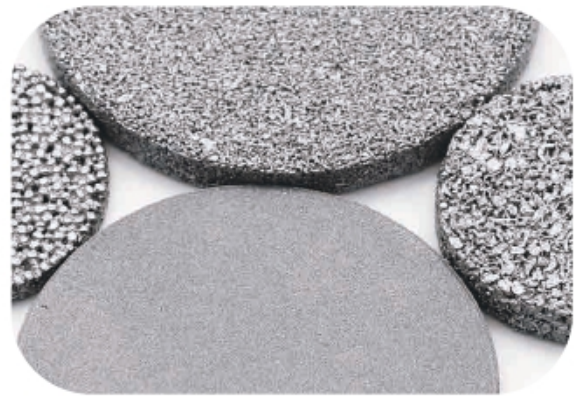
Stainless steel 316L powder microparticles

Monel alloy powder

Titanium powder

Inconel alloy powder

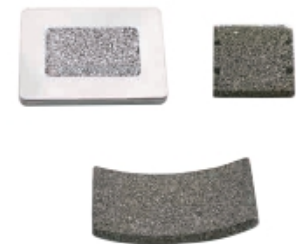
Hastelloy powder



Sintered Porous Metal Filters



Composite Sintered Metal Filter



Special-shaped sintered metal filter

Size Range



diameter range
(2.0—500mm)



height range
(1.0—100mm)



pore size
(0.1—120 μ m)

Sintered Porous Metal Filters Tubes

Filter Tubes are available in 5 material categories:

stainless steel 316L, 904 powder micro-particles

monel alloy powder

titanium powder

Inco nickel alloy powder

hastelloy alloy



Stainless steel filter tube is made of sintered stainless steel powder, due to the superiority of material and process, has high mechanical strength and pressure resistance, excellent corrosion resistance and high temperature resistance; Uniform pore size and high permeability; Easy to clean, long service life. Widely used in food, environmental protection, chemical, aerospace and many other industries.

Size Range

Outside diameter range
(4.0—220mm)

∅OD

∅ID

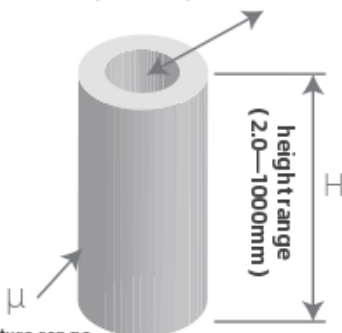
Inside diameter range
(2.0—210mm)

∅OD

height range
(2.0—1000mm)

H

Aperture range
(0.1—90μm)



Sintered metal filter tube



Customized porous metal parts



Highly-complex sintered metal filters and assembly



OEM products

Sintered Steel/Inconel Filters Cups

Filter Cup are available in 4 material categories:

stainless steel 316L powder microparticles

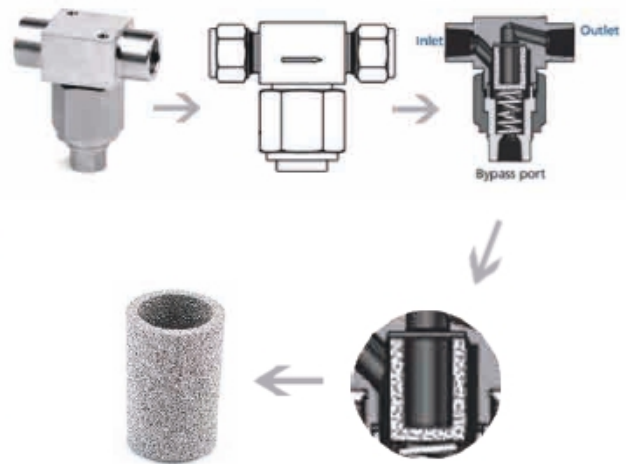
monel alloy powder

pure nickel powder

inconel alloy powder

Commonly used in gas liquid divergence, dust, noise reduction, chemical, pharmaceutical, pure water and gas filtration, but also for flow control and distribution. Good pressure resistance, good permeability, accurate and stable filtration accuracy, solid material, good corrosion resistance, wide range of application, easy to clean, long life.

Diagram of T-type Valve Filter Element



special-shaped filter cup



Customized Sintered Filters



Customized Filter Cup



sintered metal filter cups



OEM products

Stainless Steel/Inconel Filters Plates



Filter Sheets are available in 4 material categories:

Stainless steel 316L powder microparticles

Monel alloy powder

Pure Nickel powder

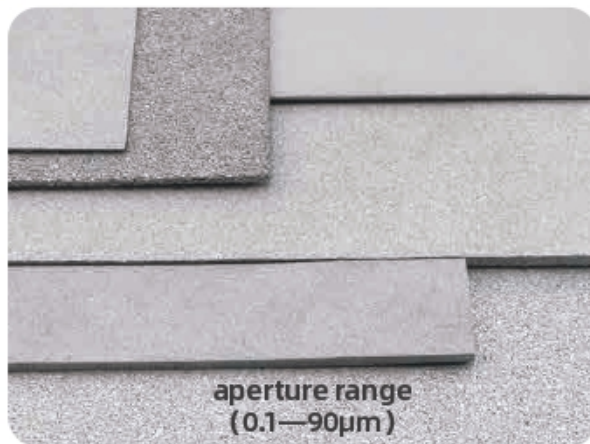
Inco nickel alloy powder

Stainless steel sintered Filter plate is made of 304, 316, 316L stainless steel powder sintered, working temperature can withstand up to 600°C temperature, high temperature and corrosion resistance; Uniform aperture, good air permeability, high filtration, accuracy; Excellent performance, high compressive strength, high mechanical strength; It has the advantages of durability, maintenance, reliability and ease of use.

Product Parameter



outside diameter range
(4.0—220mm)



aperture range
(0.1—90μm)



Irregular Shapes



height range
(2.0—1000mm)

Sintered Steel/Inconel Filters Cylinder

Filter Cylinder are available in 4 material categories:



stainless steel 316L powder microparticles

monel alloy powder

inconel alloy powder

pure nickel powder

The product has the characteristics of wear-resistant, anti-corrosion, easy to clean, environmental protection and long service life. It is mainly used for purification, filtration, penetration, isolation, industrial muffler, storage of volatilization and so on.



Customized Sintered SS Filters

Stainless steel 316L powder and metal fittings

stainless steel filter can be produced according to custom requirements of various shapes, structures, different precision and porosity of porous components, with unique technology and strict production process, with high mechanical strength, high temperature resistance, corrosion resistance, easy to clean, machinable and other advantages. Widely used in chemical, pharmaceutical, food, metallurgy, petroleum, environmental protection and other fields of gas-liquid solid filtration separation.



Product Display(Fig.1)



Product Display(Fig.2)



Product Display(Fig.3)



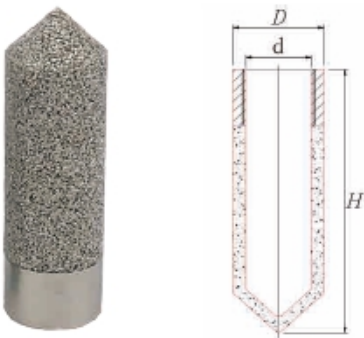
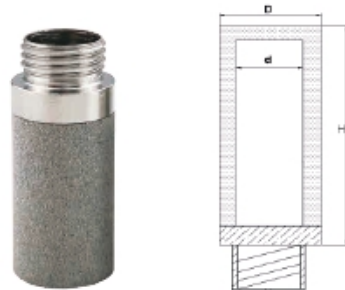
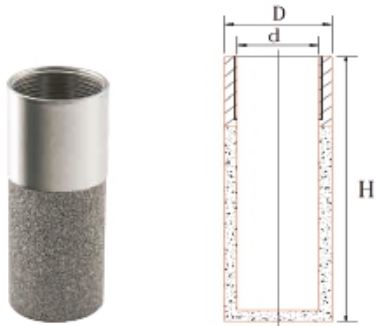
Product Display(Fig.4)



Product Display(Fig.5)



Porous Metal Sensor Protection Housing



Gas Sensor Protection Housing with Sintered Filter



Gas Sensor Housing

stainless steel 316L powder

metal shell

integrated multilayer stainless steel wire mesh

integrated sintering

Product Features

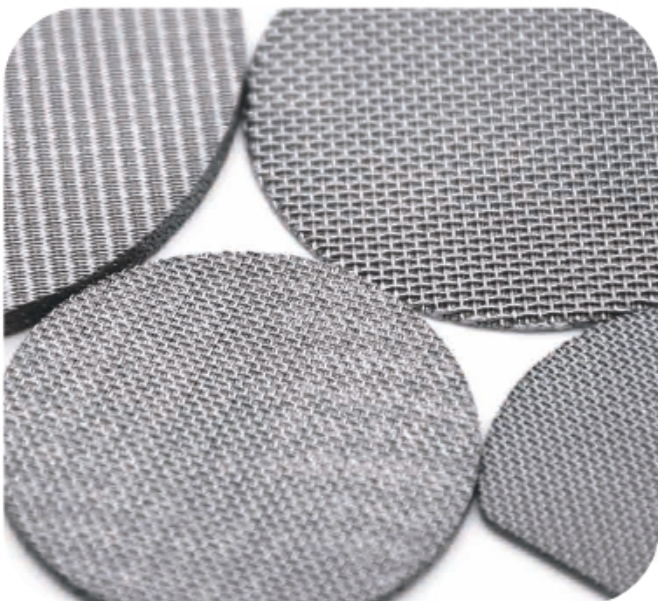
Durable, excellent dustproof and waterproof ability, precise aperture, uniform distribution, gas liquid flow and exchange speed is very fast, explosion-proof flame insulation performance is excellent; Seamless integration of breathable shell, firm without falling off; To solve the problem of dustproof and flameproof for customers.



Stainless steel mesh filter/filter plate



Product Aperture: 1~1000 μ m



Brief Introduction

Stainless Steel Filter Mesh is made of stainless steel wire mesh, sintered in vacuum, a new filter material with high strength and overall steel, and the holes between the layers of wire mesh are staggered, forming a uniform and ideal filtration structure. It is especially ideal for filtration that requires high compressive strength and uniform filtration precision, and is widely used in food and pharmaceutical industries, especially in pharmaceutical 2-in-1 and 3-in-1 equipment.

Product Features

1. High strength: It has very high mechanical strength and compressive strength.
2. High precision: the filtration accuracy of 1~1000 μ m can play a uniform surface filtration performance.
3. Heat resistance: It can be used for continuous filtration from -200°C to 600°C .
4. Cleaning: Due to the use of excellent countercurrent cleaning effect of the surface filter structure, cleaning is simple.
5. Can be customized according to customer needs.



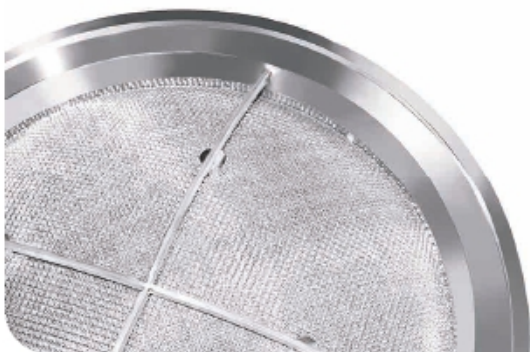
Stainless steel mesh filter tube/cartridge/filter

Brief Introduction

Main material of stainless steel filter tube/cartridge filter:

Multilayer wire mesh sintered stainless steel

Commonly, used in polyester, oil, chemical, pharmaceutical, pure water and gas filtration, but also for flow control, distribution and sampling. Good pressure resistance, good permeability, accurate and stable filtration accuracy, solid material, no stratification, no loose mesh, no displacement, good corrosion resistance, wide range of application, easy to clean, long life.



Stainless steel mesh filter tube/cartridge/filter

Stainless steel mesh filter tube



Stainless steel mesh filter cartridge






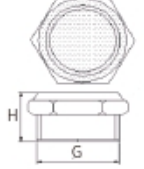
Stainless steel mesh filter


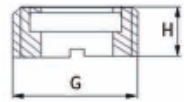



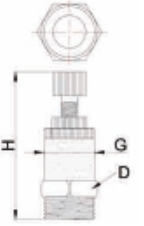
Air Muffler Filter


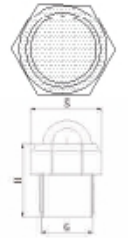
Tapered HBSL-SSA muffler		G: height H: thread d: hex size
	NPT	
	PT G	


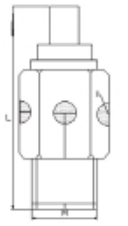
Flat head HBSL-SSMV muffler		G: thread d: hex size H: height
	NPT	
	PT G M	


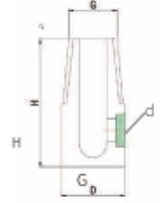
HBSL-SSDM net flat head muffler		G: thread H: height d: hex size
	NPT	
	PT G	

Type HSP muffler		G: thread H: height
	NPT	
	PT G	

Type B regulating valve		G: thread H: height D: hex size
	NPT	
	PT G	

BSL-SSDV muffler		G: thread H: height D: hex size
	NPT	
	PT G M	

PDK type muffled exhaust throttle valve		G: thread H: height d: hex size
	NPT	
	PT G	

Side exhaust muffler		G: thread H: height d: hex size
	NPT	
	PT G	

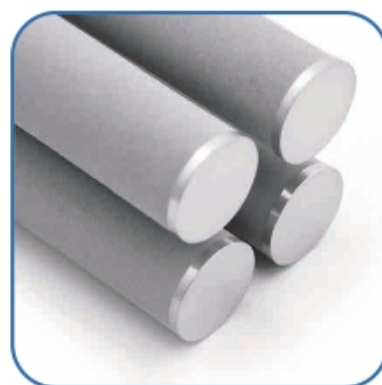
Display - OEM products



Biofilter



Gas filter



Multiple gas filters



Stainless steel sintered porous filter



Dust filter series



Special filter



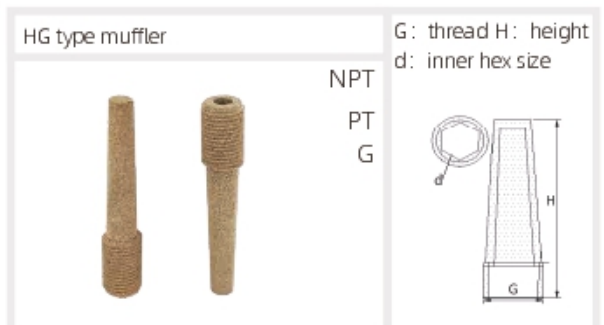
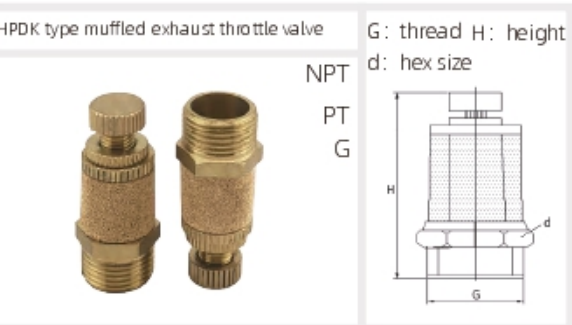
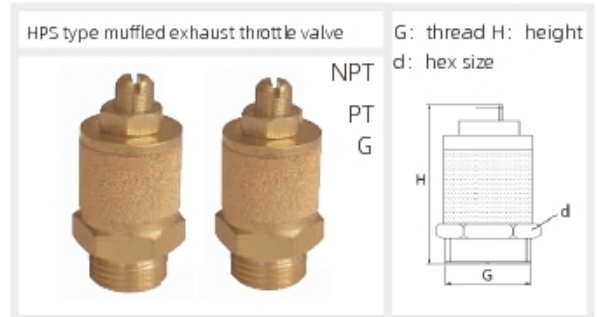
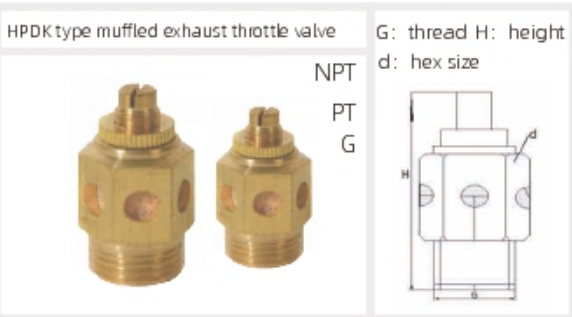
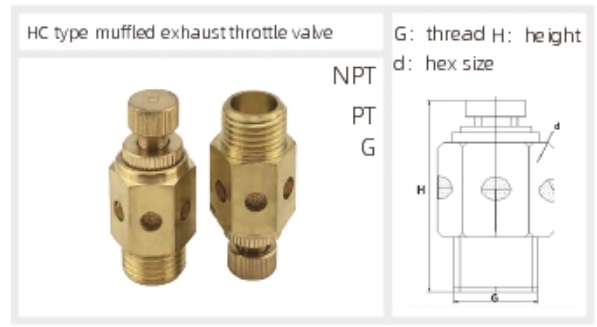
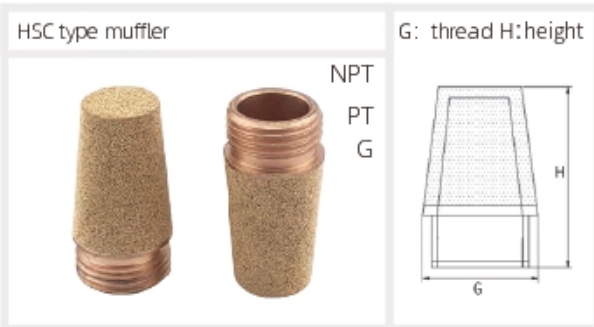
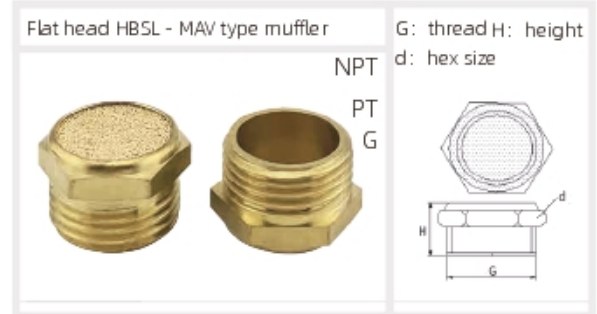
Copper sintered filter/filter cup/filter tube

Sintered Bronze Filters

Commonly used for noise reduction and gas filtration, but also for flow control and gas distribution, sampling protection, gas-liquid compartment transfer, extraction, diffusion, sound insulation, purification. Good permeability, accessories do not fall off, good thermal conductivity, shape and structure plasticity.




Sintered Bronze Pneumatic Muffler



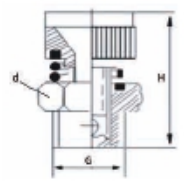
Sintered Bronze Pneumatic Muffler

HSD type speed regulating muffler

NPT
PT
G




G: thread H: height
d: hex size

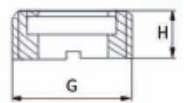


Type HSP muffler

NPT
PT
G




G: thread d: hex size
H: height

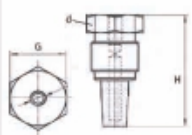


Oil valve filter

NPT
PT
G




G: thread H: height
d: hex size

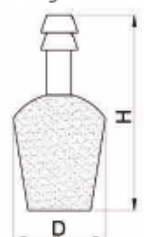


Insert oil return type

NPT
PT
G


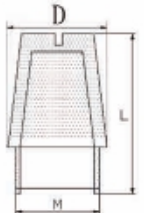


D: outer diameter
H: height




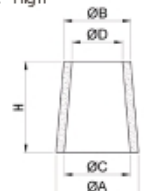
Type D muffler

D: length d: width
H: height


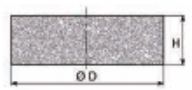
Conical cylinder type

A: large external diameter
B: small external diameter
C: large internal diameter
D: small internal diameter
H: High


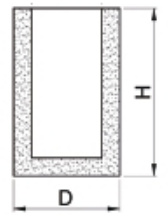
Cylindrical/ sheet type

D: outer diameter
H: height

cupping

d: inside diameter
D: outer diameter
H: height

Applications

Food and beverage, chemical, pharmaceutical, electronic components, aerospace, hydrogen energy vehicles, gas filtration, chemical industry, sewage treatment, etc.



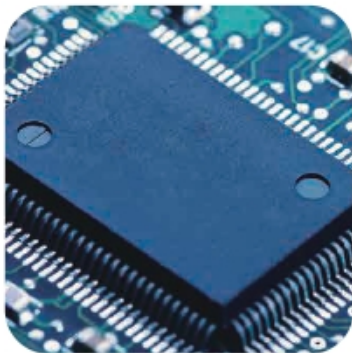
beverages



chemistry



medicine



electronic components



aerospace



hydrogen vehicle



gas filtration



chemical industry



sewage treatment

Pore Size



Pore Size: 0.2 μ m



Pore Size: 0.5 μ m



Pore Size: 2 μ m



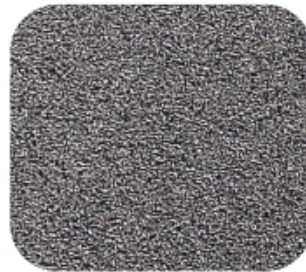
Pore Size: 3-5 μ m



Pore Size: 5-7 μ m



Pore Size: 7-10 μ m



Pore Size: 10-15 μ m



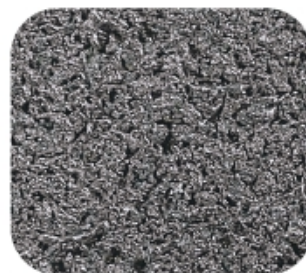
Pore Size: 15-20 μ m



Pore Size: 20-30 μ m



Pore Size: 30-40 μ m



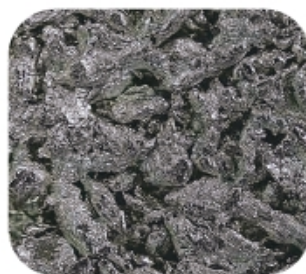
Pore Size: 40-60 μ m



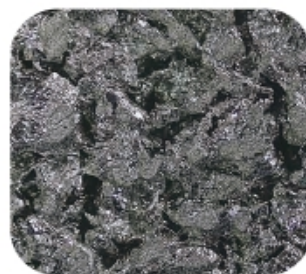
Pore Size: 60-70 μ m



Pore Size: 60-90 μ m



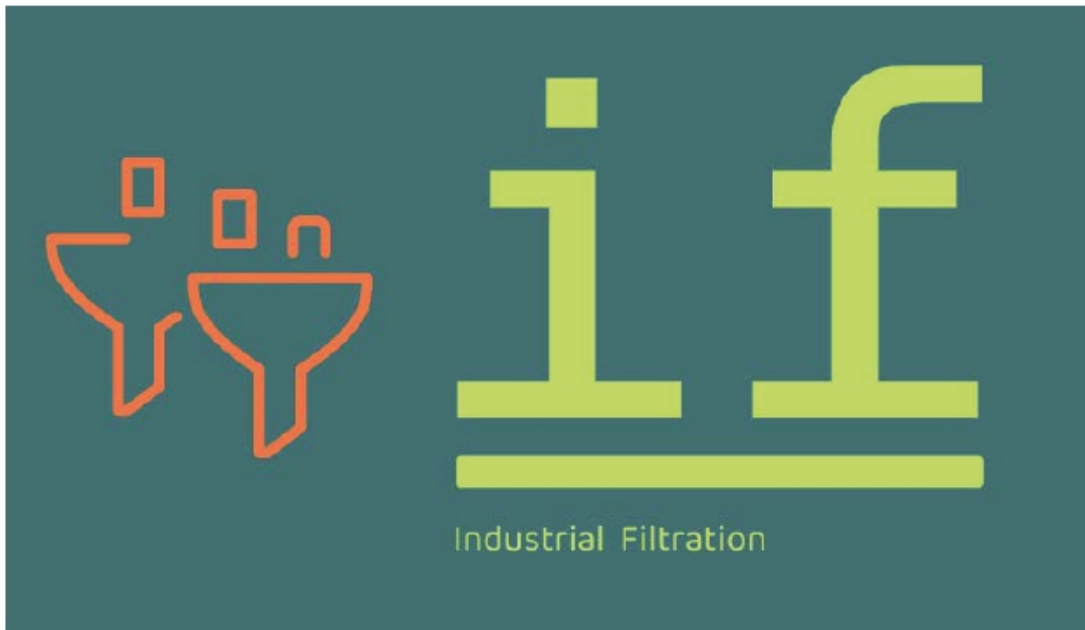
Pore Size: 70-90 μ m



Pore Size: 90-100 μ m



Pore Size: 100-120 μ m



Make Filtration and Separation Easier



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Industrial Filtration

