

# METAL FIBER CARTRIDGE

【Sintered metal fiber nonwoven fabric】

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It is an all stainless steel filter using sintered metal fiber nonwoven fabric.

## ● Filtration efficiency, Filtration resistance

Sintered metal fiber nonwoven fabric has a high filtering porosity of 65 to 80%, so it is a filter with low filtration resistance and high foreign matter collection ability.

## ● Differential pressure resistance

Because filter media is sintered, there is no sieve opening and filtration accuracy is maintained.

## ● Pressure resistance

Filter media is a three-layer structure and is suitable for liquid filtration with excellent pressure resistance and high viscosity.

## ● Chemical resistance

Alkaline and acid type chemicals are available.

## ● Heat-resistance

Heatproof temperature : (-190°C~) +400°C

## ● Reuse

It is economical because it can be washed and reused

## ● Compatibility

It is compatible with general products(OD  $\phi$  50 ~  $\phi$  70 mm, Height 250, 500, 750 mm), and you can upgrade the filtration equipment.



Pleated type cartridge



Cylindrical cartridge



Metal Fiber  
( Sintered metal fiber nonwoven fabric )

### Filter composition

media: SUS316L plate: SCS14  
Other: SUS316

### Filtration accuracy (Nominal)

1, 3, 5, 10, 15, 20, 25, 30, 40  $\mu$

### Filtration area (m<sup>2</sup>)

shape \ Length (in)	10	20	30
Pleated type	0.10	0.20	0.30
Cylindrical type	0.04	0.09	0.13

### Pressure resistance

cartridge outside  $\Rightarrow$  inside 0.86 MPa  
cartridge inside  $\Rightarrow$  outside 0.07 Mpa

### Model

Please select a model within the frame

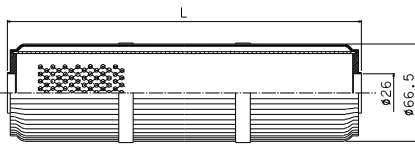
JF       -          -          -   

A      B                      C                      D                      E

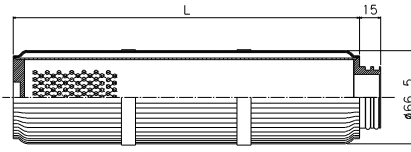
A	B	C	D	E
Filter material shape	Mounting structure	Length ( including gaskets )	Filtration accuracy (Nominal)	Gasket
P : Pleated type C : Cylindrical type	No mark : Flat gasket t W : 222O-ring type F : 226O-ring type	O1 : 247.5mm O2S : 495mm O3D : 739mm	0.8 : 0.8 $\mu$ 015 : 15 $\mu$ 001 : 1 $\mu$ 020 : 20 $\mu$ 003 : 3 $\mu$ 025 : 25 $\mu$ 005 : 5 $\mu$ 030 : 30 $\mu$ 010 : 10 $\mu$ 040 : 40 $\mu$	N : NBR T : PTFE D : Silicon V : Fluororubber E : EPDM

## Mounting structure

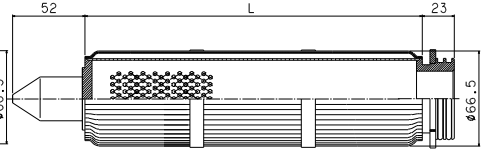
H type (Flat gasket type)



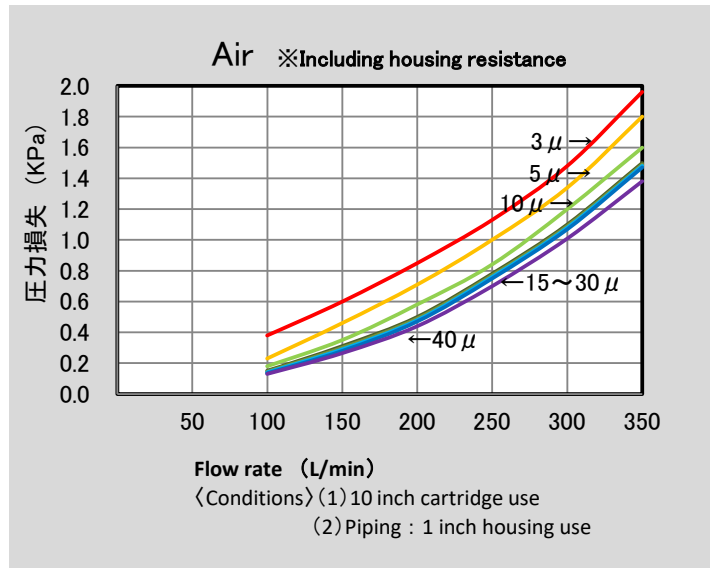
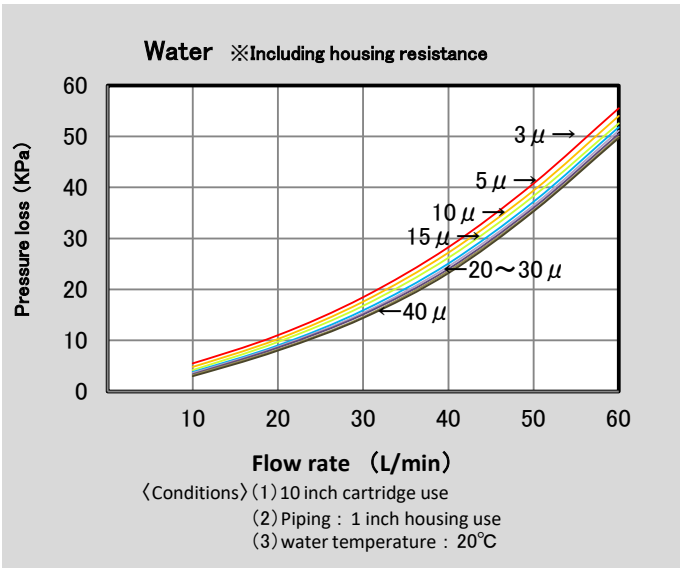
W type (222O-ring type)



F type (226O-ring type)



## Flow characteristic



## Method for cleaning and recycling cartridge

If clogging occurs and the pressure loss of the cartridge increases, please clean and regenerate in the following way.

### ● Backwashing

- Please first degrease  
(There are methods such as solvent degreasing, alkaline degreasing, surface activated degreasing.)
- With a soft brush, carefully brush the surface to remove dirt.
- Blow compressed air from the inside of the cartridge. (Repeat above several times)
- Degrease with a clean degreasing agent.
- Use compressed air to blow water, wash thoroughly, dry and finish it.

### ● Chemical cleaning

- If backwashing can not be completed, wash with mixed acid and treat with nitric acid.
- Wash thoroughly with water, blow compressed air to remove moisture and dry.

### ● Ultrasonic cleaning

- Perform ultrasonic cleaning in the cleaning solution.
- Wash thoroughly and dry.

Depending on the type of dirt, if you combine each of the above cleaning methods, more effective cleaning can be expected.

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