

TITANIUM MESH CARTRIDGE

TJMP
SERIES

All titanium filter using pure titanium (JIS 1) wire mesh

● **Corrosion resistance, Chemical resistance**

Titanium is excellent for corrosion resistance, it is suitable for filtration of sea water which can not be handled with stainless steel, for highly corrosive chemicals, liquid filtration such as solvents.

● **Large flow rate, low pressure loss**

Filter media can take a wide filtration area by pleating process and is ideal for high flow rate liquid filtration.

● **Pressure resistance**

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

● **Heat-resistance**

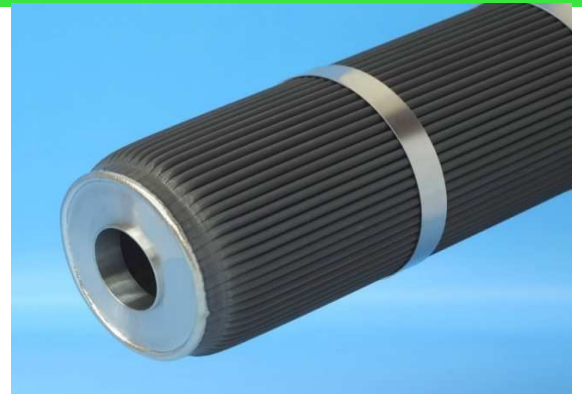
Heatproof temperature : +300°C

● **Reuse**

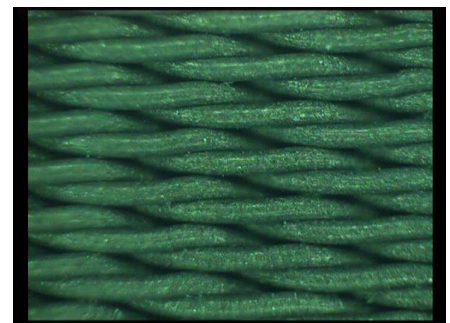
It is economical because it can be washed and reused

● **Configuration**

Compatible common products applicable
(OD ϕ 50 ~ ϕ 70 mm, Height 250, 500, 750 mm),
Can be upgraded to general filtration equipment.



Pleated type cartridge



Titanium 500 mesh
(Twiled Dutch Weave Wire Cloth)

Filter composition

Media & Support: titanium End Plate: Titanium Other: Titanium

Filtration accuracy (Nominal)

20, 30, 100, 150, 350 μ m

Filtration area

Nominal Length (in)	10	20	30
Filtration area (m ²)	0.15	0.30	0.45

Pressure resistance

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

Model

Please select a model within the frame

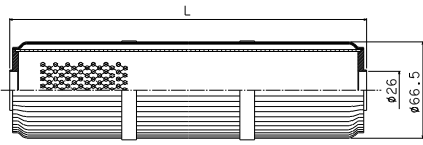
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A B C D

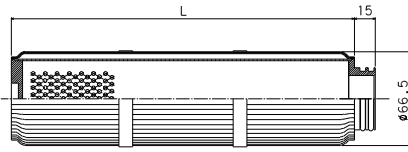
A	B	C	D
Mounting structure	Length (mm) (Excluding gaskets)	Grade (μ m, Nominal)	Gasket Materials
No mark: Flat gasket type W : 222O-ring type F : 226O-ring type	01 : 241.5 02 : 489 03 : 733 ※W・F type : 736.5	020 : 20 100 : 100 030 : 30 150 : 150 350 : 350	N : NBR T : PTFE D : Silicon V : Fluororubber E : EPDM

Mounting structure

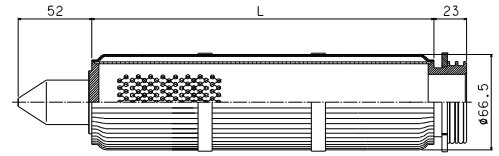
H type (Flat gasket type)



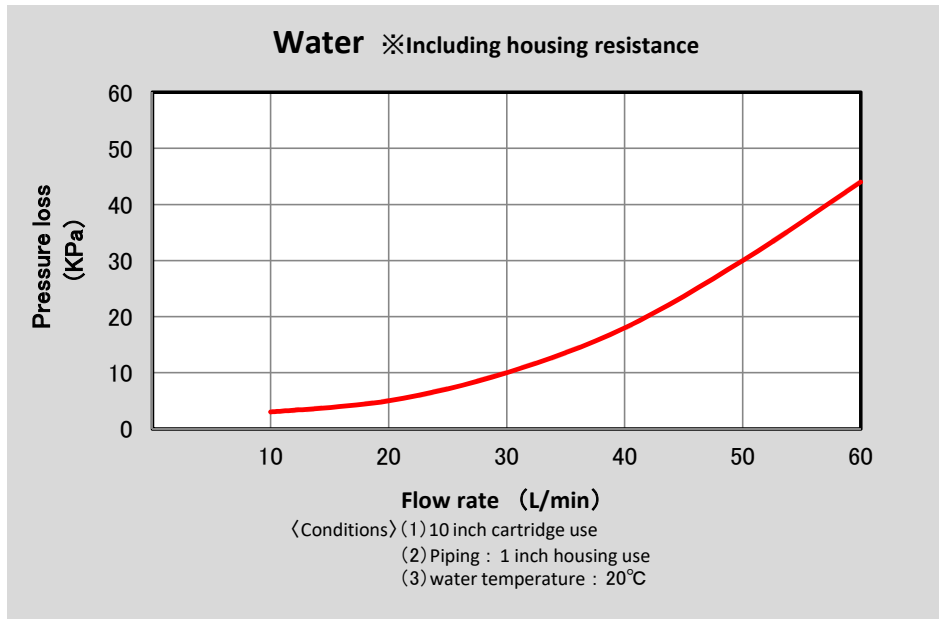
W type (222O-ring type)



F type (226O-ring type)



Flow characteristic



Method for cleaning and recycling cartridge

- Backwashing
 - Degrease the filter
(Refer to 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.

To achieve desirable cleaning result recommended combine all above cleaning method.

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