



HUGE FLOW

(ϕ 130mm) Series

EPP · SFP · CTJ ·
CTK · CEB Type

Major Applications

Industrial water, pure water

Chemicals

Resin dissolving liquid

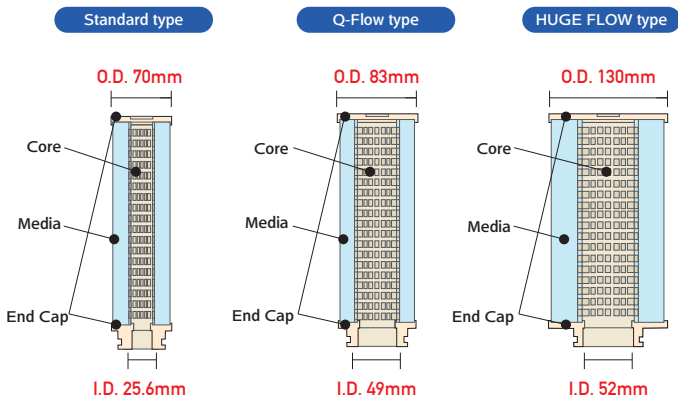
Features

- Large outer diameter of ϕ 130 mm
- Choice of filter media available

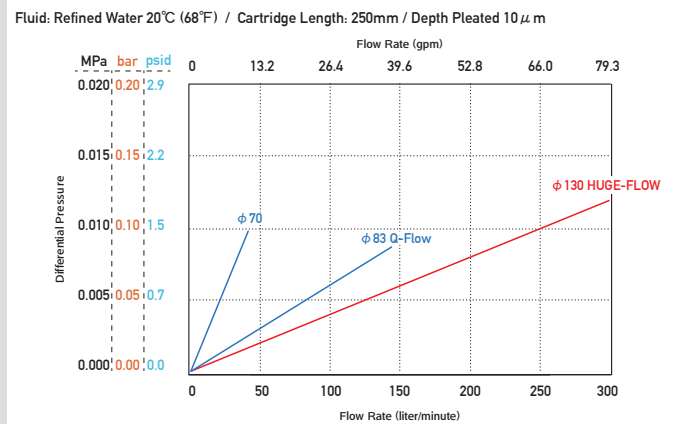
Advantages

- Capable of processing large flow rates of 200 L/min or more
- Reduces the number of filter cartridges used and saves space
- Can use for various type of fluids

Internal structure - Comparison with other shapes-



Comparison of differential pressure vs. flow rate



Material list

| Product Type | EPP | SFP | CTJ | CTK | CEB |
|--------------|----------------------|---------------|---------------------------|---------------------------|---------------------------|
| Type | Depth (String wound) | Depth Pleated | Surface (Membrane) | Surface (Membrane) | Surface (Membrane) |
| Media | Polypropylene | Polypropylene | Hydrophobic PTFE Membrane | Hydrophilic PTFE Membrane | Polyethersulfone Membrane |
| Core | Polypropylene | Polypropylene | Polypropylene | Polypropylene | Polypropylene |

EPP Type

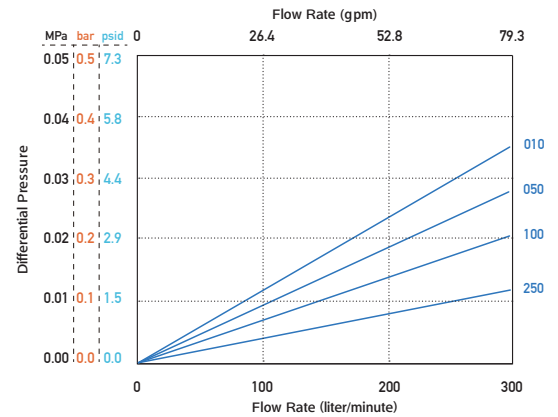
| Specifications | | | | |
|------------------------------------|---|-----|-----|-----|
| Grades | 010 | 050 | 100 | 250 |
| Micron Ratings (μm) | 1.0 | 5.0 | 10 | 25 |
| Materials | Polypropylene | | | |
| Media | Polypropylene | | | |
| Core | Polypropylene | | | |
| End Cap | Polypropylene | | | |
| Maximum ΔP | 0.49MPa at 20°C (71psi at 68°F) | | | |
| Maximum Operating Temp | 60°C (140°F) | | | |
| Dimensions | Length 250mm | | | |
| | O.D. 130mm | | | |
| | I.D. 52mm | | | |
| Adaptable Food Sanitation Standard | All raw materials meet the requirement of FDA 21 CFR *1 | | | |

*If you need further information on specifications (length, end cap type, etc.), please contact us.

*1 Applicable Gaskets and O-ring materials exclude EPDM.

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



SFP Type

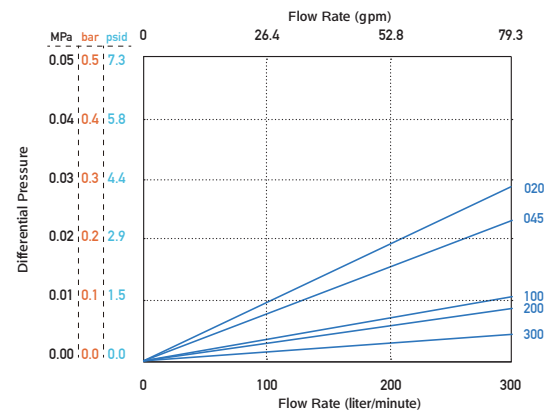
| Specifications | | | | | |
|--------------------------------------|---|------|------|------|------|
| Grades | 020 | 045 | 100 | 200 | 300 |
| Micron Ratings (μm) | 2.0 | 4.5 | 10 | 20 | 30 |
| E.F.A. ($\text{m}^2/250\text{mm}$) | 0.85 | 0.70 | 0.70 | 0.73 | 0.70 |
| Materials | Polypropylene | | | | |
| Media | Polypropylene | | | | |
| Core | Polypropylene | | | | |
| End Cap | Polypropylene | | | | |
| Maximum ΔP | 0.49MPa at 20°C (71psi at 68°F) | | | | |
| Maximum Operating Temp | 80°C (176°F) | | | | |
| Dimensions | Length 250mm | | | | |
| | O.D. 130mm | | | | |
| | I.D. 52mm | | | | |
| Adaptable Food Sanitation Standard | All raw materials meet the requirement of FDA 21 CFR *1 | | | | |

*If you need further information on specifications (length, end cap type, etc.), please contact us.

*1 Applicable Gaskets and O-ring materials exclude EPDM.

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



CTJ Type

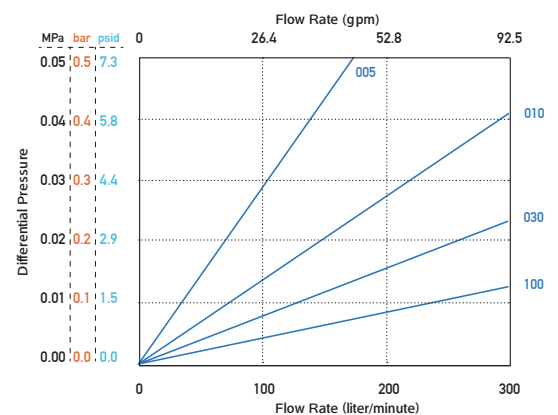
| Specifications | | | | |
|--------------------------------------|---|-----|-----|-----|
| Grades | 005 | 010 | 030 | 100 |
| Micron Ratings (μm) | 0.45 | 1.0 | 3.0 | 10 |
| E.F.A. ($\text{m}^2/250\text{mm}$) | 2.11 | | | |
| Materials | Hydrophobic PTFE Membrane | | | |
| Core | Polypropylene | | | |
| End Cap | Polypropylene | | | |
| Maximum ΔP | 0.49MPa at 20°C (71psi at 68°F) | | | |
| Maximum Operating Temp | 80°C (176°F) | | | |
| Dimensions | Length 250mm | | | |
| | O.D. 130mm | | | |
| | I.D. 52mm | | | |
| Adaptable Food Sanitation Standard | All raw materials meet the requirement of FDA 21 CFR *1 | | | |

*If you need further information on specifications (length, end cap type, etc.), please contact us.

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Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



CTK Type

Specifications

| | | |
|--------------------------------------|---------------------------------|-------|
| Grades | 010 | 030 |
| Micron Ratings (μm) | 1.0 | 3.0 |
| E.F.A. ($\text{m}^2/250\text{mm}$) | 2.11 | |
| Media | Hydrophilic PTFE Membrane | |
| Materials | Polypropylene | |
| End Cap | Polypropylene | |
| Maximum ΔP | 0.49MPa at 20°C (71psi at 68°F) | |
| Maximum Operating Temp | 80°C (176°F) | |
| Length | 250mm | |
| Dimensions | O.D. | 130mm |
| | I.D. | 52mm |

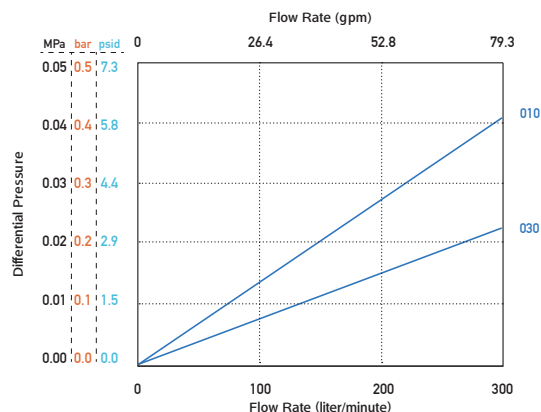
Adaptable Food Sanitation Standard All raw materials meet the requirement of FDA 21 CFR *1

*If you need further information on specifications (length, end cap type, etc.), please contact us.

*1 Applicable Gaskets and O-ring materials exclude EPDM.

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



CEB Type

Specifications

| | | | |
|--------------------------------------|---------------------------------|-------|-----|
| Grades | 002 | 005 | 012 |
| Micron Ratings (μm) | 0.2 | 0.45 | 1.2 |
| E.F.A. ($\text{m}^2/250\text{mm}$) | 2.10 | | |
| Media | Polyethersulfone Membrane | | |
| Materials | Polypropylene | | |
| End Cap | Polypropylene | | |
| Maximum ΔP | 0.49MPa at 20°C (71psi at 68°F) | | |
| Maximum Operating Temp | 80°C (176°F) | | |
| Length | 250mm | | |
| Dimensions | O.D. | 130mm | |
| | I.D. | 52mm | |

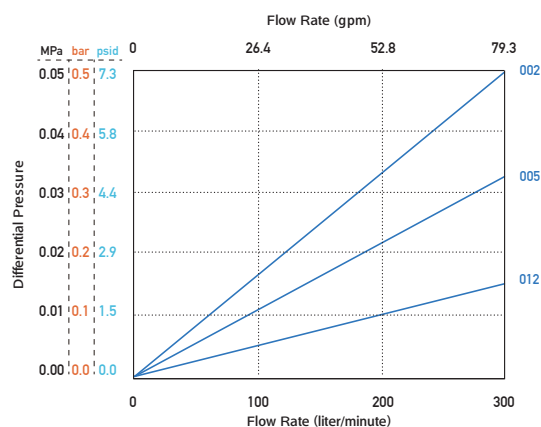
Adaptable Food Sanitation Standard All raw materials meet the requirement of FDA 21 CFR *1

*If you need further information on specifications (length, end cap type, etc.), please contact us.

*1 Applicable Gaskets and O-ring materials exclude EPDM.

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm

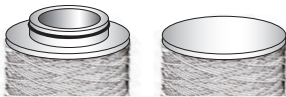


Ordering Information

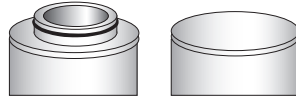
| Length | Product Type | Micron Rating | O-Ring | End Cap Code |
|--------------------------|---|--|--|--|
| 250L ▼ 250 = 250mm | - S F P - ▼ EPP SFP CTJ CTK CEB | 0 2 0 ▼ EPP SFP, CTJ, CTK, CEB | E ▼ S = Silicone E = EPDM T = FEP Encapsulated FKM N = NBR V = FKM | H ▼ H = Single Open End (Single O-Ring) |
| | | 010 = 1.0 μm 002 = 0.2 μm 030 = 3.0 μm 050 = 5.0 μm 005 = 0.45 μm 045 = 4.5 μm 100 = 10 μm 010 = 1.0 μm 100 = 10 μm 250 = 25 μm 012 = 1.2 μm 200 = 20 μm 020 = 2.0 μm 300 = 30 μm | | |

End Cap Code

EPP H Type



SFP, CTJ, CTK, CEB
H Type



Introduction of Dedicated Housing

HUGE-FLOW Filter Housing

HA Type

Major Applications

General Industry

Chemical/ Electronics

Main Specifications

Design pressure : 0.98MPa

Main materials : SUS304

Inner and Outer surfaces finishing : Electropolishing after buffing



Ordering Information

| Filter length | End Cap Code | Product Type | Number of installed filters | O-Ring |
|-------------------------|--|--------------|-----------------------------|--|
| 250 ▼ 250 = 250mm | H ▼ H = Single Open End (Single O-Ring) | -HA- | 001 ▼ 001 = 1pc | N ▼ S = Silicone N = NBR E = EPDM V = FKM |

*The contents of the catalog are subject to change without notice.

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.

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Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.

Scope
Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.



2nd Issue
HFlow220220E