ROKITECHNO

Large outer diameter Type

Q-Flow (ϕ83mm) Series

EPP・ECP・ECS・ DCP・DCS・SLP・MPX PED・CTZ・CFN Type

Major Applications

- Industrial water, pure water
- Chemicals
- Resin dissolving liquid
- Oils and fats

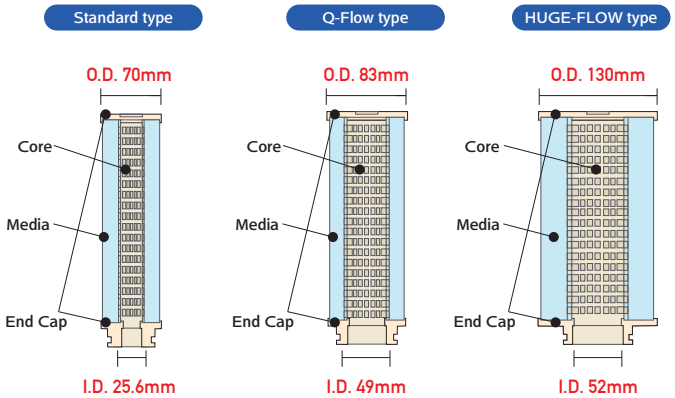
Features

- Large outer diameter of ϕ83 mm
- Choice of filter media available

Advantages

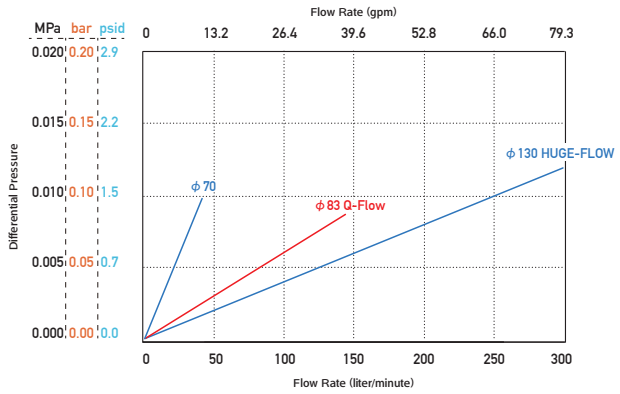
- Reduces the number of filter cartridges used and saves space
- Proper use according to the fluid

Internal structure -Comparison with other shapes-



Comparison of differential pressure vs. flow rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm / Depth Pleated 10μm



Material list

	Product Type	EPP	ECP	ECS	DCP	DCS	SLP	MPX	PED	CTZ	CFN
	Type	Depth (String wound)	Depth (String wound)	Depth (String wound)	Depth (String wound)	Depth (String wound)	Depth Pleated	Surface (non-woven fabric)	Adsorption	Surface (Membrane)	Surface (Membrane)
Materials	Media	PP	Bleached Cotton (Twisted yarn)	Bleached Cotton (Twisted yarn)	Bleached Cotton (Non-twisted yarn)	Bleached Cotton (Non-twisted yarn)	PP	PP	PP, Diatomaceous earth, GF	Hydrophobic PTFE Membrane	PSU membrane
	Core	PP	PP	SUS304	PP	SUS304	PP	PP	PP	PP	PP

*PP: Polypropylene, GF: Glass Fiber, PSU: Polysulfone

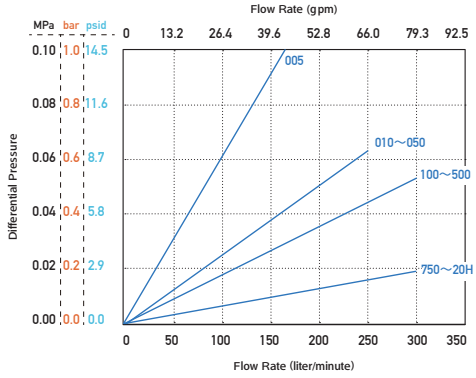
EPP Type

Specifications

		005	010	030	050	100	250	500	750	10H	15H	20H
Grades												
Micron Ratings (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150	200
Materials	Media	Polypropylene										
	Core	Polypropylene										
Maximum ΔP		0.35MPa at 20℃ (51psi at 68°F)										
Maximum Operating Temp		60℃ (140°F)										
Dimensions	Length	250／500／750／1000 mm										
	O.D.	83.0mm										
	I.D.	51.0mm										

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



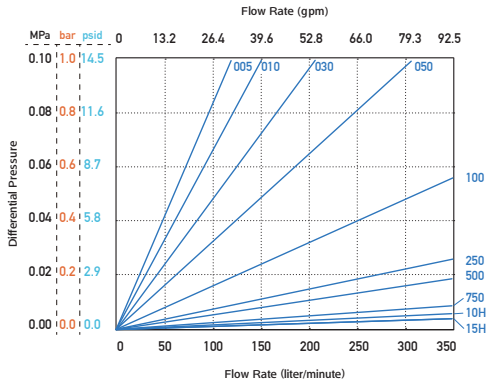
ECP • ECS Type

Specifications

		005	010	030	050	100	250	500	750	10H	15H
Grades											
Micron Ratings (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150
Materials	Media	Bleached Cotton									
	Core	Polypropylene (ECP)／SUS304 (ECS)									
Maximum ΔP		ECP: 0.35MPa at 20℃ (51psi at 68°F)／ECS: 0.49MPa at 20℃ (71psi at 68°F)									
Maximum Operating Temp		ECP: 80℃ (176°F)／ECS: 120℃ (248°F)									
Dimensions	Length	250／500／750／1000 mm									
	O.D.	83.0mm									
	I.D.	50.0mm									

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



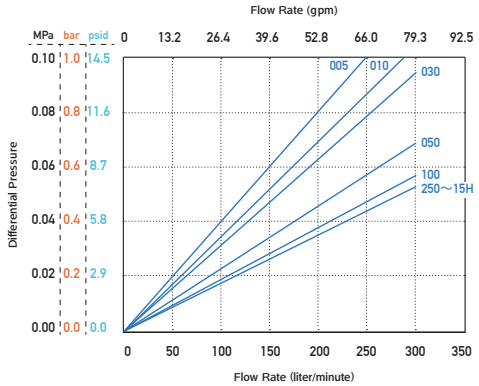
DCP • DCS Type

Specifications

		005	010	030	050	100	250	500	750	10H	15H
Grades											
Micron Ratings (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150
Materials	Media	Bleached Cotton									
	Core	Polypropylene (DCP)／SUS304 (DCS)									
Maximum ΔP		DCP: 0.35MPa at 20℃ (51psi at 68°F)／DCS: 0.49MPa at 20℃ (71psi at 68°F)									
Maximum Operating Temp		DCP: 80℃ (176°F)／DCS: 120℃ (248°F)									
Dimensions	Length	250／500／750 mm									
	O.D.	83.0mm									
	I.D.	51.0mm									

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



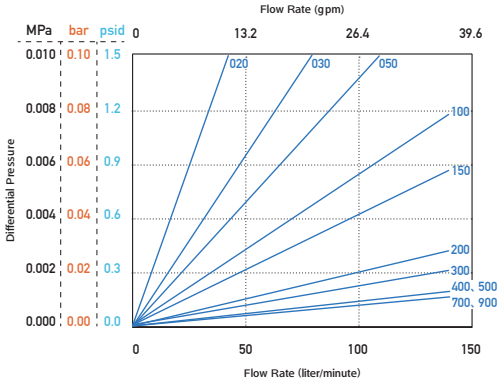
SLP Type

Specifications

Grades		020	030	050	100	150	200	300	400	500	700	900
Micron Ratings (μm)		2.0	3.0	5.0	10	15	20	30	40	50	70	90
E.F.A. (m²/250mm)		0.36	0.34	0.32	0.34	0.29	0.28	0.29	0.29	0.29	0.29	0.29
Materials	Media	Polypropylene										
	Core/Cage/Support	Polypropylene										
	End Cap	Polypropylene										
Maximum ΔP		0.35MPa at 20℃ (51psi at 68°F)										
Maximum Operating Temp		80℃ (176°F)										
Dimensions	Length	250／500／750／1000 mm										
	O.D.	83.0mm										
	I.D.	49.0 (for E, W)／33.5 (for 1) mm										

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



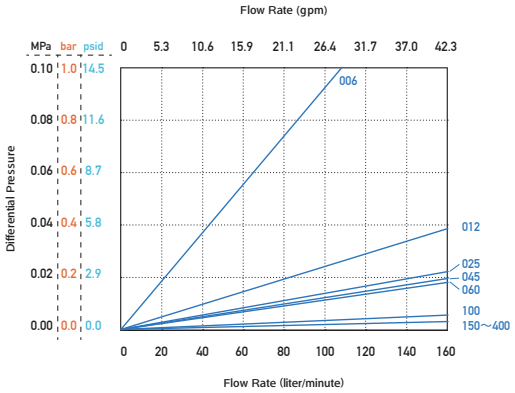
MPX Type

Specifications

Grades		006	012	025	045	060	100	150	200	300	400
Micron Ratings (μm)		0.6	1.2	2.5	4.5	6.0	10	15	20	30	40
E.F.A. (m²/250mm)		0.81	1.10	1.10	1.10	0.53	0.71	0.79	0.71	0.71	0.55
Materials	Media/Core/Cage	Polypropylene									
	Support	Polyolefin									
	End Cap	Polypropylene									
Maximum ΔP		0.35MPa at 20℃ (51psi at 68°F)									
Maximum Operating Temp		80℃ (176°F)									
Dimensions	Length	250／500／750／1000 mm									
	O.D.	83.0mm									
	I.D.	49.0 (for E, W)／33.5 (for 1) mm									

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



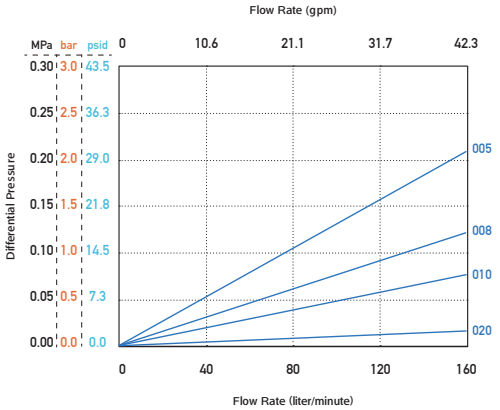
PED Type

Specifications

Grades		005	008	010	020
Micron Ratings (μm)		0.5	0.8	1.0	2.0
E.F.A. (m²/250mm)		0.29	0.33	0.44	0.71
Materials	Media	Polypropylene, Diatomaceous Earth, Glass Fiber			
	Core/Cage/Support	Polypropylene			
	End Cap	Polypropylene			
Maximum ΔP		0.35MPa at 20℃ (51psi at 68°F)			
Maximum Operating Temp		80℃ (176°F)			
Dimensions	Length	250／500／750 mm			
	O.D.	83.0mm			
	I.D.	49.0 (for E, W)／33.5 (for 1) mm			

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



CTZ Type

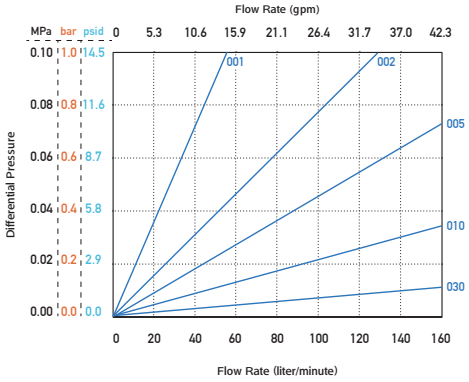
Specifications

Grades		001	002	005	010	030
Micron Ratings (μm)		0.1	0.2	0.45	1.0	3.0
Integrity tested		Diffusion Flow Test			*1	
E.F.A.		1.24m²/250mm				
Materials	Media	Hydrophobic PTFE Membrane				
	Core/Cage/Support	Polypropylene				
	End Cap	Polypropylene				
Maximum ΔP		0.35MPa at 20℃ (51psi at 68°F)				
Maximum Operating Temp		80℃ (176°F)				
Dimensions	Length	250／500／750／1000 mm				
	O.D.	83.0mm				
	I. D.	49.0 (for E, W)／33.5 (for 1) mm				

*1: 100% simplified integrity test

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



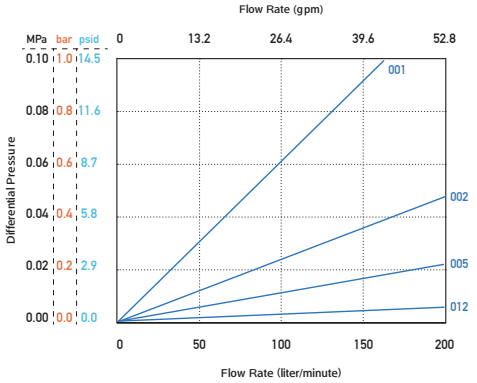
CFN Type

Specifications

Grades		001	002	005	012
Micron Ratings (μm)		0.1	0.2	0.45	1.2
E.F.A.		1.39m²/250mm			
Materials	Media	Polysulfone (PSU) Membrane			
	Core/Cage/Support	Polypropylene			
	End Cap	Polypropylene			
Maximum ΔP		0.35MPa at 20℃ (51psi at 68°F)			
Maximum Operating Temp		80℃ (176°F)			
Dimensions	Length	250／500／750／1000 mm			
	O.D.	83.0mm			
	I. D.	49.0 (for E, W)／33.5 (for 1) mm			

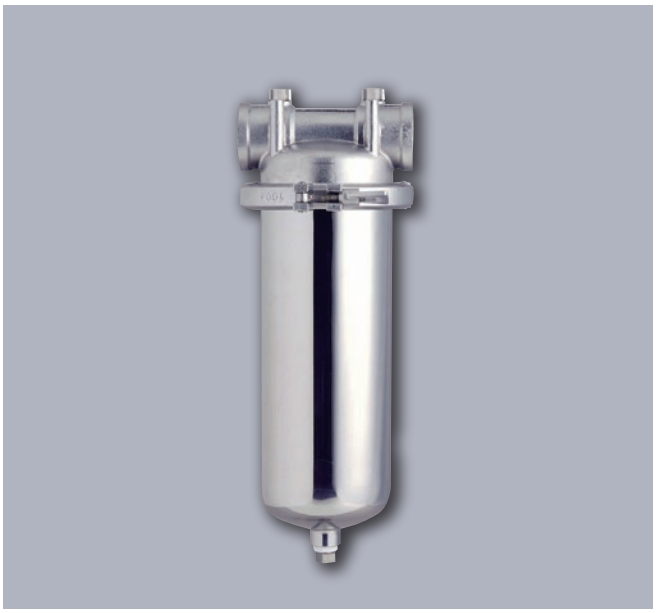
Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm



*For other specifications (lengths, end cap, etc.), please contact us.
*Q-flow dedicated housings are available. Please contact our sales representative for details.

Q-Flow
Single Filter Housing
MA Type



Major Applications

- General Industry
- Chemical/ Electronics

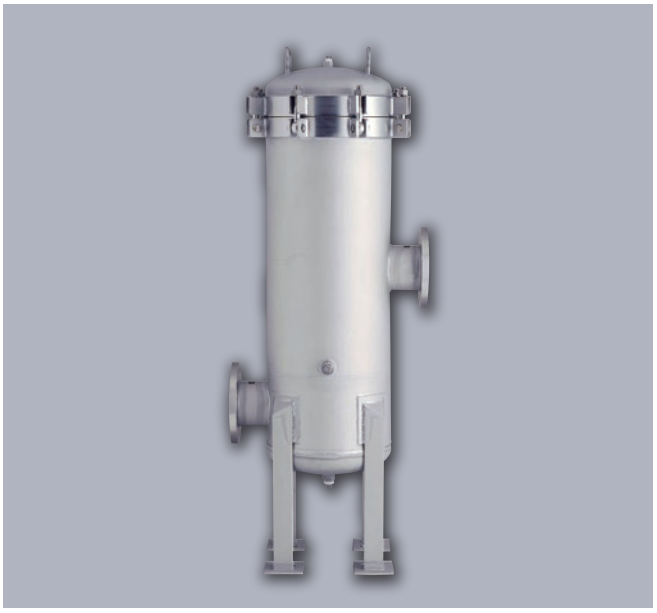
Main Specifications

Design pressure	: 0.98MPa
Main materials	: SUS316
Outer sufeces finishing	: Electropolishing after buffing
Inner surface finishing	: Acid pickling

Ordering Information

Filter length	End Cap Code	Product Type	Number of installed filters	O-Ring
2 5 0	E	-MA-	001	N
250 = 250mm 500 = 500mm 750 = 750mm	E = Code E, MN W = Code W		001 = 1pc	S = Silicone E = EPDM N = NBR V = FKM

Q-Flow
Multi Filter Housing
MZ Type



Major Applications

- General Industry
- Chemical/ Electronics

Main Specifications

Design pressure	: 0.98MPa
Main materials	: SUS304
Inner and Outer surfaces finishing	: Acid pickling

Ordering Information

Filter length	End Cap Code	Product Type	Number of installed filters	O-Ring
2 5 0	E	-MZ-	0 0 6	N
250 = 250mm 500 = 500mm 750 = 750mm	E = Code E, MN W = Code W		003 = 3pcs 015 = 15pcs 006 = 6pcs 020 = 20pcs 009 = 9pcs 028 = 28pcs 013 = 13pcs 033 = 33pcs	S = Silicone E = EPDM N = NBR V = FKM

*Refer to each catalog for details.

EPP・ECP・ECS・DCP・DCS Ordering Information

Length	Product Type	Micron Rating	End Cap Code	Packaging Code
250L	-EPP-	100	MN	C

Length

250 = 250 mm
500 = 500 mm
750 = 750 mm
1000 = 1000 mm

*1000mm is selectable only for EPP, ECP, ECS.

Product Type

EPP DCP
ECP DCS
ECS

Micron Rating

005 = 0.5 μm
010 = 1.0 μm
030 = 3.0 μm
050 = 5.0 μm
100 = 10 μm
250 = 25 μm
500 = 50 μm
750 = 75 μm
10H = 100 μm
15H = 150 μm
20H = 200 μm

*20H is selectable only for EPP.

End Cap Code

MN

Packaging Code

A = 1pc
B = 6pcs
C = 10pcs

SLP・MPX・PED・CTZ・CFN Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
250L	-CTZ-	002	E	E	C

Length

250 = 250 mm
500 = 500 mm
750 = 750 mm

Product Type

SLP CTZ
MPX CFN
PED

Gasket/O-Ring

S = Silicone
E = EPDM
N = NBR
V = FKM
T = FEP Encapsulated FKM (for W, 1)
A = Foamed PTFE (for E)

End Cap Code

E = Flat Gaskets
W = 2-227 O-Ring
1 = 2-222 O-Ring

Packaging Code

A = 1pc
B = 6pcs
C = 10pcs

SLP

020 = 2.0 μm
030 = 3.0 μm
050 = 5.0 μm
100 = 10 μm
150 = 15 μm
200 = 20 μm
300 = 30 μm
400 = 40 μm
500 = 50 μm
700 = 70 μm
900 = 90 μm

MPX

006 = 0.6 μm
012 = 1.2 μm
025 = 2.5 μm
045 = 4.5 μm
060 = 6.0 μm
100 = 10 μm
150 = 15 μm
200 = 20 μm
300 = 30 μm
400 = 40 μm

PED

005 = 0.5 μm
008 = 0.8 μm
010 = 1.0 μm
020 = 2.0 μm

CTZ

001 = 0.1 μm
002 = 0.2 μm
005 = 0.45 μm
010 = 1.0 μm
030 = 3.0 μm

CFN

001 = 0.1 μm
002 = 0.2 μm
005 = 0.45 μm
012 = 1.2 μm

End Cap Code

Code MN

Code E

Code W

Code 1

*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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For our technical information, please click here.▼

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.

JQA-QMA16323 MS CM009

4th Issue
QFlow220219E