

CSS Q Flow Type

For high flow filtration applications
(Polysulfone Membrane)

The CSS Q Flow cartridges are designed for high-flow filtration.

Comparing with conventional cartridge filters, the CSS Q Flow cartridges realize 4 times higher flow rate.* Due to the higher flow rate, this filter helps to reduce both initial costs and running costs.

Features

- Structured of asymmetric membrane, the CSS cartridges provide longer service life and higher flow rates.
- All the cartridges are integrity tested and flushed with DI water prior to shipment, which provides high reliability.
- The CSS cartridges can be used for the filtration of aqueous solutions without hydrophilic treatment, since the polysulfone media has an inherent hydrophilic radical.

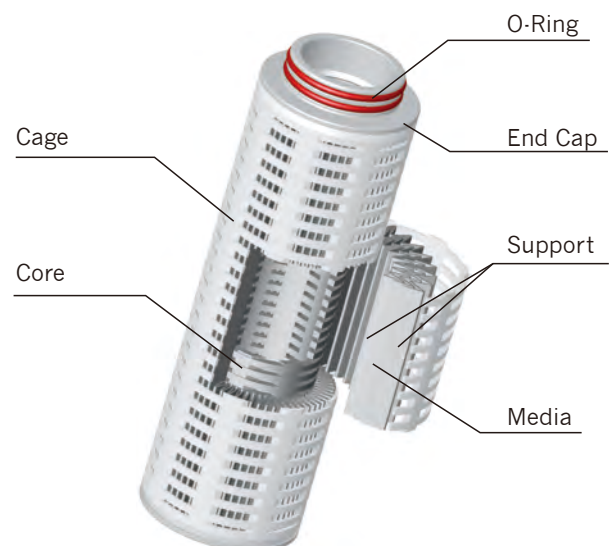


Major Applications

- Ultra-pure water and chemical solutions in the manufacturing process of liquid crystal panels
- Ultra-pure water and chemical solutions in the semi-conductor industry
- Others

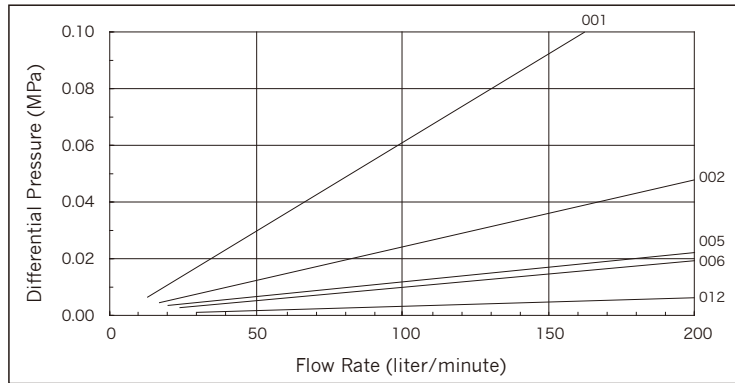
*Depending on actual operating conditions, the suitable flow rate varies. Please consult our sales representatives for filter selection.

Materials of Construction



Differential Pressure vs Flow Rate

Fluid: Water (20°C)
Cartridge Length: 250mm



※The data do not include piping pressure drop.

Ordering Information

250	L-CSS	002	V	E	A
↓	↓	↓	↓	↓	↓
[Nominal Length] 250 = 250mm 500 = 500mm 750 = 750mm 1000 = 1000mm	[Product Type]	[Micron Rating] 001 = 0.1μm 002 = 0.2μm 005 = 0.45μm 006 = 0.65μm 012 = 1.2μm	[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 = 1 pc B = 6 pcs C = 10 pcs

Specification

Product Type		CSS Q Flow Type				
Grade		001	002	005	006	012
Micron Rating (μm)		0.1	0.2	0.45	0.65	1.2
E.F.A. (m ³ /250L)		1.25				
Dimensions	Length (mm)	250 / 500 / 750 / 1000				
	O.D. (mm)	83.0				
	I. D. (mm)	49.0 (for E,W) / 33.5 (for 1)				
Materials Media	Media	Polysulfone (PSU) Membrane				
	Support	Polypropylene				
	Core	Polypropylene				
	Cage	Polypropylene				
	End Cap	Polypropylene				
	Gasket/O-Ring	Silicone / EPDM / NBR / FKM / FEP Encapsulated FKM (for 1) / PTFE (for E)				
	Maximum ΔP (MPa)at 20°C	0.35				
	Maximum Operating Temp.(°C)	80				

The products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.



QMS
ISO9001
JSAQ1436

JAB
CM001

Scope: Manufacture of Filter cartridges

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

*Q Flow exclusive housings are available. Depending on applications and filtration volume, we are pleased to offer the most suitable product, please contact us for further information.

End Cap Code



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