

CTX Q Flow Type

For high flow filtration applications
(Hydrophobic PTFE Membrane)

CERTAIN-PORE Filter Cartridges “CTX Q Flow type” are large-diameter filter cartridge made by extending the inner and outer diameters of membrane filter CTX type for ultra-precision filtration for the electronic industry and semiconductor industry so that filtration can be conducted *at a maximum flow of four times the flow of CTX type.

Features

- The inner and outer diameters are larger than standard size of CTX filters and filtration at higher flow rate is feasible using a smaller number of the filter cartridges. “CTX Q Flow type” therefore contributes to a cost reduction such as work improvement on changing cartridges and saving cartridge cost.
- Initial cost reduction and space saving can be achieved by the downsize of housing, since the number of filter cartridges can be reduced as compared with that of standard size filter cartridges.
- The “CTX Q Flow type” filter cartridges are suitable for the filtration of high-performance liquids which demand high removal efficiency and chemical compatibility characteristics.
- The “CTX Q Flow type” filter cartridges are manufactured by the thermal bonding of the media and end plates, thus the extractables of the filters are minimal.

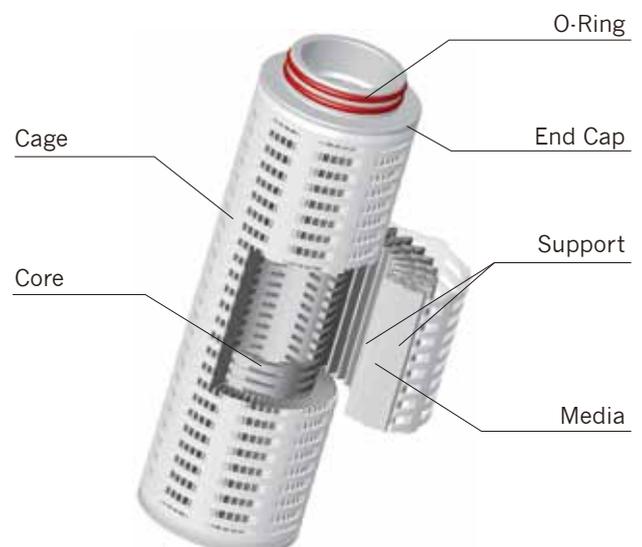


Materials of Construction

Major Applications

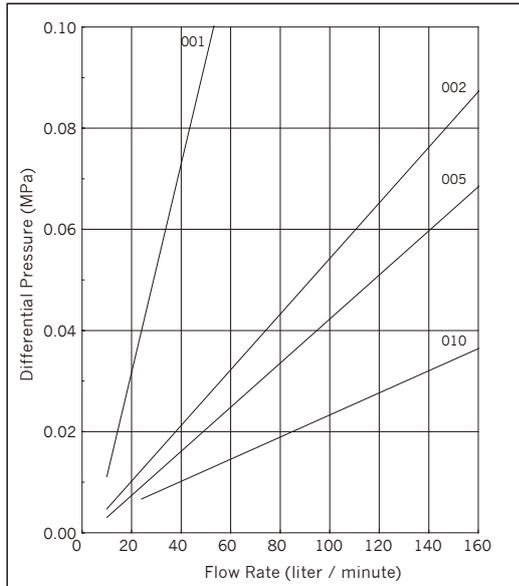
- Process waters and chemicals used in the manufacturing process
- High grade chemicals
- Others

* This is a theoretical flow rate and actual allowable flow rates depend on filtration conditions.
Please consult us for further technical information.



Differential Pressure vs Flow Rate

Fluid: Refined water (20°C) Cartridge Length : 250mm



※The data do not include piping pressure drop.

*The above data are based on our test condition, and are not guaranteed value.

Ordering Information

250	L - CTX -	010	V	E	C
↓	↓	↓	↓	↓	↓
[Nominal Length] 250 = 250mm 500 = 500mm 750 = 750mm 1000 = 1000mm	[Product Type]	[Micron Rating] 001 = 0.1 μm 002 = 0.2 μm 005 = 0.45μm 010 = 1.0 μm	[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 = Double Open Ends W = 2-227 O-Ring 1 = 2-222 O-Ring	[Packaging Code] A = 1 pc. B = 6 pcs. C = 10 pcs.

Specification

Product Type		CTX Q Flow Type			
Grade		001	002	005	010
Micron Rating (μm)		0.1	0.2	0.45	1.0
E.F.A. (m ² / 250mm)		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	Hydrophobic PTFE Membrane			
	Support	Polypropylene			
	Core	Polypropylene			
	Cage	Polypropylene			
	End Cap	Polypropylene			
Gasket / O-Ring		NBR / EPDM / Silicone / FKM/FEP Encapsulated FKM (for W, 1) / Foamed PTFE (for E)			
Maximum ΔP (MPa) at 20°C		0.35			
Maximum Operating Temp. (°C)		80			

※If you need 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 products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.



Scope: Manufacture of Filter cartridges