

## DCP Q Flow Type

For high flow filtration applications

DIA II Filter Cartridges “DCP Q Flow type” are large-diameter filter cartridge made by extending the inner and outer diameters of a wound filter of breaced cotton media using non-twisted fiber, DIA II, so that filtration can be conducted \*at a maximum flow of four times the flow of DIA II.

### Features

- The inner and outer diameters are larger than standard size of DIA II filters and filtration at higher flow rate is feasible using a smaller number of the filter cartridges. “DCP 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.
- Having “density slope,” that is, construction of reducing pore size from the outer media to the inner media, “DCP Q Flow type” can provide a long life in the filtration of fluids having a wide particle size distribution.
- Winding the non-twisted fiber with strings strongly and uniformly makes it possible to keep inter-fiber pores large in high flow filtration and filtration of high viscosity fluids. This provides stable filtration throughout without sudden clogging of the filter.

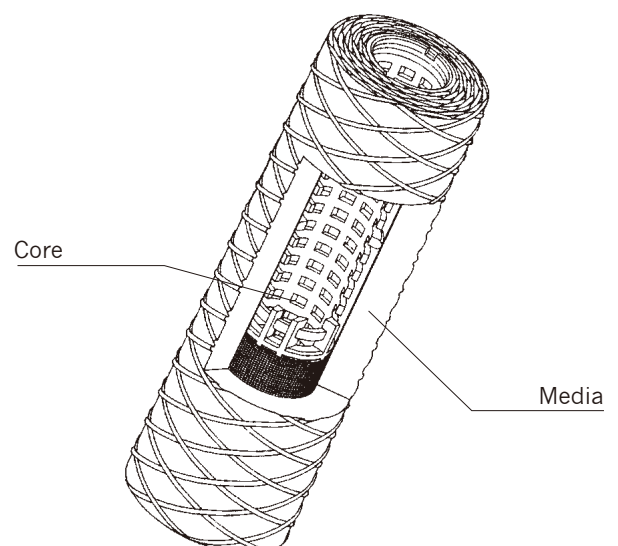


### Materials of Construction

### Major Applications

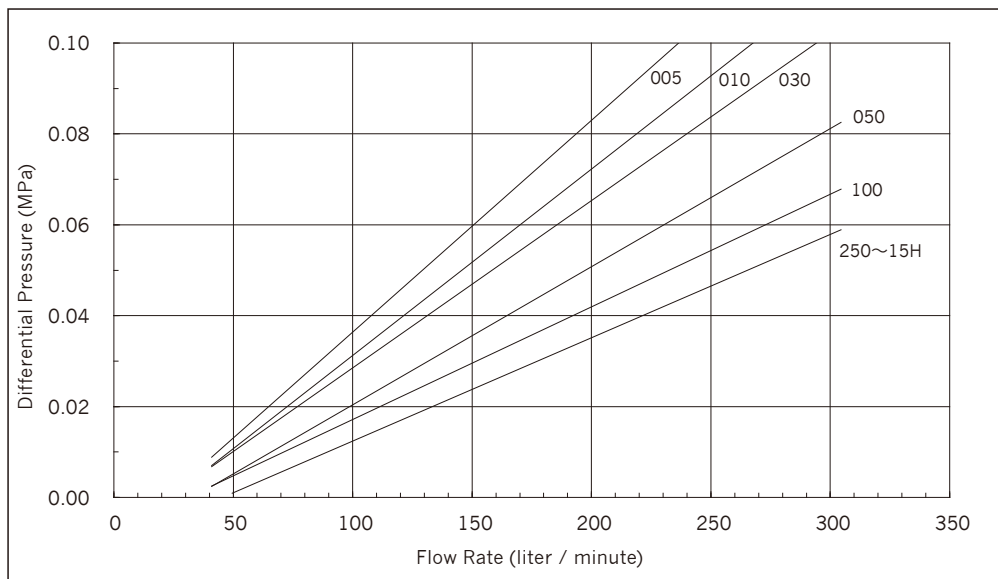
- Filtration for general use water and make-up water at large flow rate
- Filtration in the manufacturing process of chemicals
- Filtration for various fat and oil
- Others

\* 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

**250L - DCP - 10H M N C**

- [Nominal Length]**  
250 = 250mm  
500 = 500mm  
750 = 750mm
- [Product Type]**  
DCP
- [Micron Rating]**  
005 = 0.5 μm    250 = 25μm  
010 = 1.0 μm    500 = 50μm  
030 = 3.0 μm    750 = 75μm  
050 = 5.0 μm    10H = 100μm  
100 = 10μm     15H = 150μm
- [Packaging Code]**  
A = 1 pc.  
B = 6 pcs.  
C = 10 pcs.

## Specification

Product Type		DCP Q Flow Type									
Grade		005	010	030	050	100	250	500	750	10H	15H
Micron Rating (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150
Dimensions	Length (mm)	250 / 500 / 750									
	O.D. (mm)	83.0									
	I.D. (mm)	50.0									
Media		Breached Cotton									
Core		Polypropylene									
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 contents of the catalog is subject to change without notice.