

# DIA Filter Cartridges

## DCP Q-Flow Type

### (For High Flow Rate)

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 <sup>\*</sup>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.

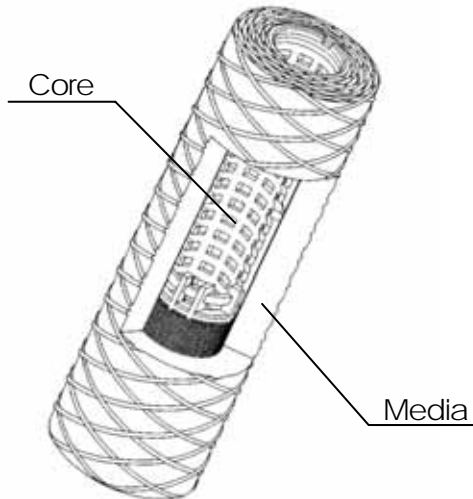
## Major Applications

- 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

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

# MICRO-CILIA Filter Cartridges DCP Q-Flow Type

## Materials of Construction



## Ordering Information

**250** L — **DCP**

— **010** M N **C**

Nominal Length

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

Product Type

Micron Rating

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

Packaging Code

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

## Specifications

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
Dimension	Length (mm)	250 / 500 / 750 / 1000									
	O.D.(mm)	83.0									
	I.D.(mm)	50.0									
Material	Media	Breached Cotton									
	Core	Polypropylene									
P(MPa)at20		0.35									
Operating Temp( )		80									

Filter housings for Q-Flow filter cartridges are available. Please consult us about making a choice of products.

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

## Distributor

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