

DIA II

DIA / DCR Type

Major Applications

Boiler condensate filtration

Various solvent filtration

Filtration in high temperature processes

*Ez-Change compatible type: DIA

(For details, please refer to Applicable capsules list for each product type)

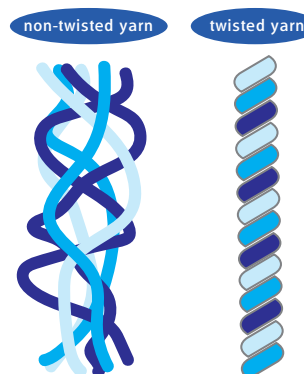
Features

- Core material can be selected.
- Securing void between fibers by using twisted yarn + non-twisted yarn filter material

Advantages

- Wide temperature and fluid compatibility
- High dust holding capacity
- Removal of gel materials
- Low differential pressure

Schematic diagram



Specifications

Product Type		DIA										DCR									
Grades		X	Y	A	B	C	F	L	Q	V	W	005	010	030	050	100	250	500	750	10H	15H
Micron Ratings (μm)		0.5	1.0	3.0	5.0	10	25	50	75	100	150	0.5	1.0	3.0	5.0	10	25	50	75	100	150
Media		Bleached Cotton																			
Materials	Core	Polypropylene／SUS304										Reinforced Polypropylene									
	Support	Rayon *Available by grade										Polypropylene *Available by grade									
Maximum ΔP		0.49MPa at 20℃ (71psi at 68°F)																			
Maximum Operating Temp		Polypropylene Core: 80℃ (176°F)／SUS304 Core: 120℃ (248°F)										90℃ (194°F)									
Dimen- sions	Length	125／250／500／750 mm																			
	O.D.	62.0(SUS304 Core)／64.0(Polypropylene Core) mm										64.0mm									
	I.D.	28.5 (SUS304 Core) ／29.5 (Polypropylene Core) mm										27.5 mm									
Adaptable Food Sanitation Standard		All raw materials meet the requirement of FDA 21 CFR *1																			

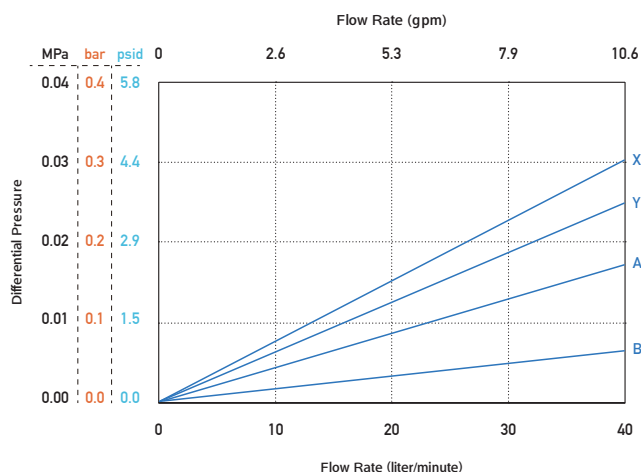
*If you need further information on specifications (length, end cap type, etc.), please contact us.

*1 Applicable Gaskets and O-ring materials exclude EPDM.

Differential Pressure vs Flow Rate

DIA Type

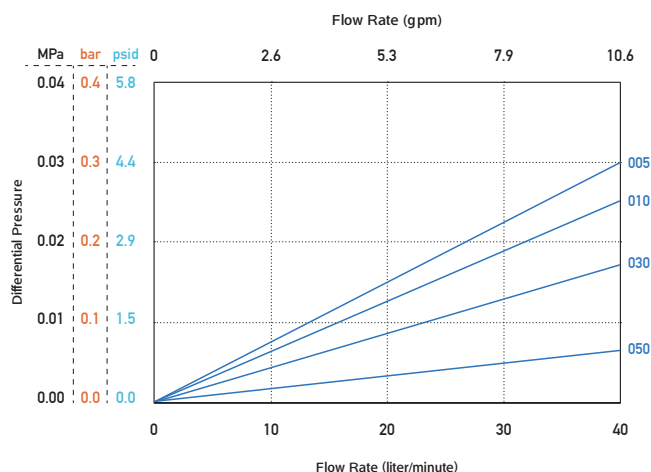
Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



*Differential pressure from C to W is below the measurement limit.

DCR Type

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



*Differential pressure from 100 to 15H is below the measurement.

DIA Ordering Information

Length	Product Type	Core material	Micron Rating	Packaging Code
250 L	-DIA-C	P	X	C
125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm		P = Polypropylene S = SUS304	X = 0.5 μ m Y = 1.0 μ m A = 3.0 μ m B = 5.0 μ m C = 10 μ m F = 25 μ m L = 50 μ m Q = 75 μ m V = 100 μ m W = 150 μ m	B = 6pcs C = 10pcs F = 25pcs

Standard End Type



DCR Ordering Information

Length	Product Type	Micron Rating	Standard End Type	Packaging Code
250 L	-DCR-	005	CZ	F
125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm		005 = 0.5 μ m 010 = 1.0 μ m 030 = 3.0 μ m 050 = 5.0 μ m 100 = 10 μ m 250 = 25 μ m 500 = 50 μ m 750 = 75 μ m 10H = 100 μ m 15H = 150 μ m		B = 6pcs C = 10pcs F = 25pcs

Standard End Type



*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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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.



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MS CM009

5th Issue

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