



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)

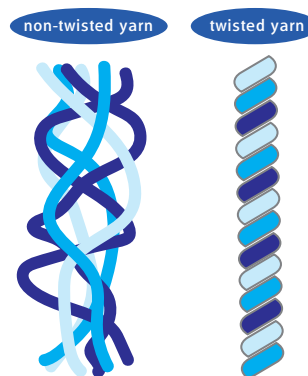
## Features

- 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)                       |     |     |     |     |     |     |     |     |     |
| Length                             |         | 125／250／500／750 mm                                        |     |     |     |    |    |    |    |     |     |                                   |     |     |     |     |     |     |     |     |     |
| Dimen-<br>sions                    | 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   |     |     |     |    |    |    |    |     |     |                                   |     |     |     |     |     |     |     |     |     |

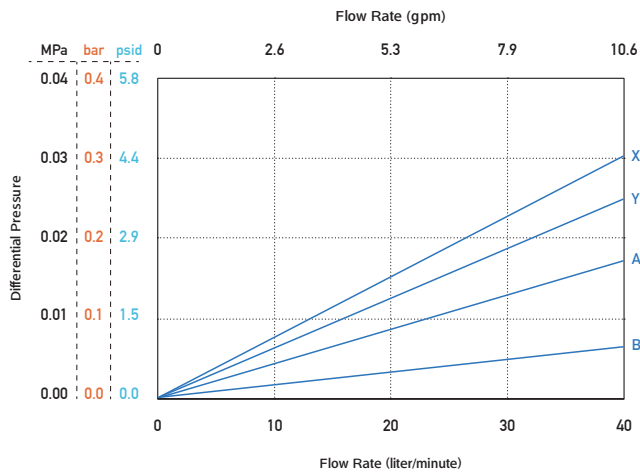
\*If you need further information on specifications (length, end cap type, etc.), please contact us.

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

## Differential Pressure vs Flow Rate

### DIA Type

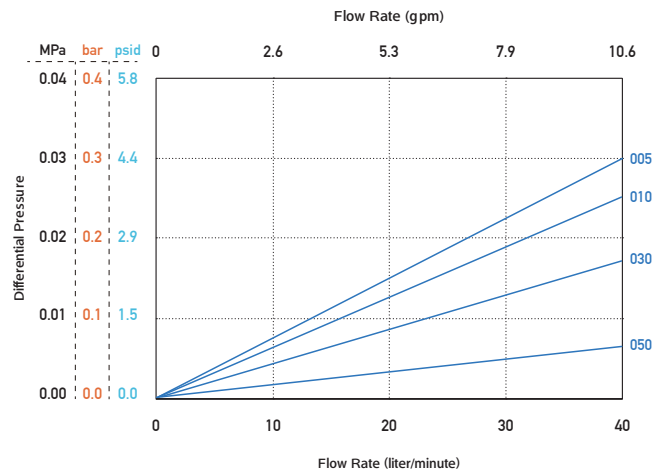
Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



\*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<br>250 = 250 mm<br>500 = 500 mm<br>750 = 750 mm |              | P = Polypropylene<br>S = SUS304 | X = 0.5 μm<br>Y = 1.0 μm<br>A = 3.0 μm<br>B = 5.0 μm<br>C = 10 μm<br>F = 25 μm<br>L = 50 μm<br>Q = 75 μm<br>V = 100 μm<br>W = 150 μm | B = 6pcs<br>C = 10pcs<br>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<br>250 = 250 mm<br>500 = 500 mm<br>750 = 750 mm |              | 005 = 0.5 μm<br>010 = 1.0 μm<br>030 = 3.0 μm<br>050 = 5.0 μm<br>100 = 10 μm<br>250 = 25 μm<br>500 = 50 μm<br>750 = 75 μm<br>10H = 100 μm<br>15H = 150 μm |                   | B = 6pcs<br>C = 10pcs<br>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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For our technical information, please click here. ▼



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.



6th Issue

DCR\_DIA210309E