

Specifications

Media	: Polyester
End Parts	: Polybutylene terephthalate
O-ring	: NBR, EPDM, Silicone, FKM (Fluorine Rubber) E-FKM (Encapsulated Fluorine Rubber)

Filtration rate

Nominal : 1, 3, 5, 10, 25, 50 micron

Dimension

Double open ended:

ID x OD x Length

28mm x 62mm x 125, 248, 250, 254, 496,
500, 508, 743, 750, 762,
991, 1000, 1016 mm

Single open ended:

ID x OD x Length

25mm x 70mm x 10", 20", 30", 40"

Operating Conditions

Maximum Operating Temperature:

120°C (248°F)

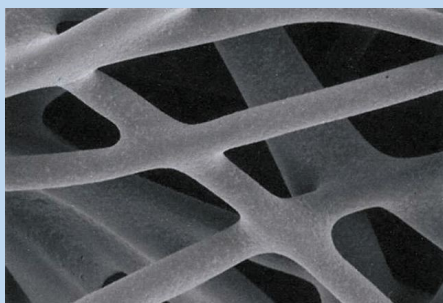
Replacement Differential Pressure:

0.15MPa (22psi)

Maximum Differential Pressure:

0.55MPa (80psi) @ 20°C (68°F)

* depending on operating parameters



CLEAL CPH FILTER Cartridges

Self-Bonding Binder-Free Cartridge Filter

Features

Structure

Thermally bonded bi-component polyester fibers are used, and each contact point of the fibers forms a stable porosity.

Advantages

- Thermally bonded polyester fibers are used, and each contact point of the fibers is thermally bonded, enabling stable filtration without pore size variability or fiber migration from the element.
- The filter construction of only polyester fibers enables it to be used continuously at high temperature.
- The construction of only polyester fibers provides a broad range of chemical compatibility.
- The density graded construction provides long service life.
- The simple but clean and rigid structure utilizing state-of-the-art fiber technology allows for longer service life and higher throughputs.
- The diameter of the structural fibers is changed for every grade, and the grades are clearly differentiated from a nominal filtration size of 1µm to 50µm.

Quality

- Does not include substances subject to the RoHS Directive
- Does not include substances subject to the REACH regulation
- Production at ISO 9001 certified factory
- Production at ISO 14001 certified factory

Application

General Industry:

Aluminum rolling, Canning, Alumite treatment, Washing liquid, etc.

Chemicals :

Paint Ink Resins Adhesives Catalysts Solvents Surfactants etc.

Food & Beverages :

Tea, Nutrition supplement drinks, Wine, Spirits, Soy sauce, etc.

Electronics:

Optical films, etc.

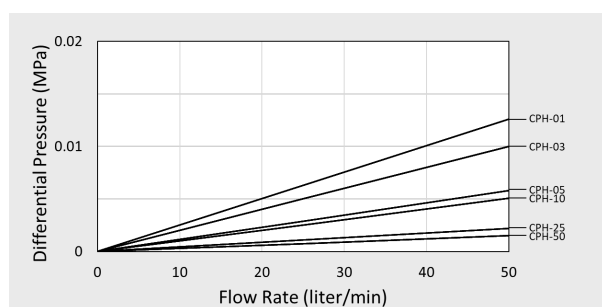
Filter Rating

Grade	Nominal rating	Absolute rating
CPH-01	1 μm	10 μm
CPH-03	3 μm	25 μm
CPH-05	5 μm	30 μm
CPH-10	10 μm	40 μm
CPH-25	25 μm	50 μm
CPH-50	50 μm	70 μm

※ Absolute rating values are only for the reference

Water Permeability

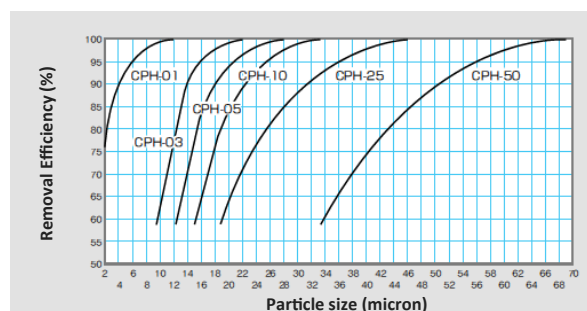
Flow Rate - Differential Pressure



※ per 250 mm, in water

Removal Efficiency

Initial Particle Removal Efficiency



※ tested by JNC method

Ordering Guide

Code information								Sales Unit
Grade	Filter Rating		End Type & Seal Material		ID & OD (mm)	Length (mm)		SPQ (pcs/ctn)
CPH -	01	(1 μm)	(DOE) Blank (Blank)		28 - 62 -	125		100
	03	(3 μm)				248, 250, 254		50
	05	(5 μm)				496, 500, 508		25
	10	(10 μm)				743, 750, 762		25
	25	(25 μm)				991, 1000, 1016		25
	50	(50 μm)						
			(SOE)	1 (NBR)	25 - 70 -	(E7)	319, 568, 814	6
			E7 (226 O-ring with Spear End)	2 (Silicone)		(M3)	265, 513, 762	6
			M3 (222 O-ring with Flat End)	3 (FKM)			1030	20
			M8 (222 O-ring with Spear End)	4 (E-FKM)		(M8)	319, 568, 814	6
			5 (EPDM)	1070	20			
Example : CPH-10E72 25-70-814 (SPQ 6pcs)								
CPH -	10		E7	2	25-70-	814		6

- * Description of each characteristic data is based on our original test methods. The actual data may differ slightly from the data shown here by use conditions.
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