

Specifications

Media	: Polyethylene and Polypropylene
End Parts	: Polypropylene
O-ring	: NBR, EPDM, Silicone, FKM (Fluorine Rubber) E-FKM (Encapsulated Fluorine Rubber)

Filtration rate

Nominal	: 1, 3, 5, 10, 25, 50, 75, 100, 125, 150, 200 micron
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Dimension

Double open ended:

ID x OD x Length

30mm x 68mm x 125, 250, 254, 500, 508, 750,
762, 1000, 1016 mm

28mm x 64mm x 124, 127, 248, 254, 496, 508,
743, 762, 992, 1016 mm

Single open ended:

ID x OD x Length

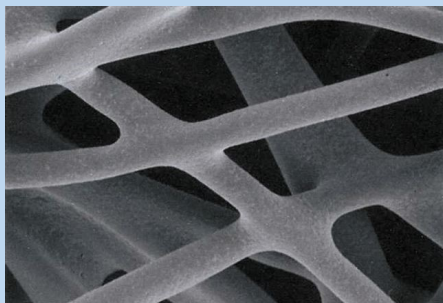
25mm x 70mm x 10", 20", 30", 40"

Operating Conditions

Maximum Operating Temperature:
80°C (175°F)

Replacement Differential Pressure:
1.5bar (22psi)

Maximum Differential Pressure:
5.5bar (100psi) @ 20°C (68°F)



CLEAL[®]

CP FILTER Cartridges

Self-Bonding Binder-Free Cartridge Filter

Features

Structure

Only polyolefin thermally bonded bi-component fibers (ES fibers) are used, and the fiber-to-fiber bond forms a stable porosity.

Advantages

- The ES fibers uniquely developed and patented by JNC are used, and the fiber-to-fiber bond at each contact point featuring integral rigid thermally bonded construction enables consistent filtration and eliminates pore size variability and media migration.
- 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.
- A rigid filter structure of fused ES fibers in a three dimensional network with a high tolerance for differential pressure is achieved.
- 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 200µm.
- FDA approved materials are used, enabling clean filtration.

Quality

- CP medium Complies with CFR 21 FDA regulations
- Complies with RoHS regulations
- Complies with REACH regulations
- NSF certified elements of DOE type
- Production at ISO 9001 certified factory
- Production at ISO 14001 certified factory

Application

General Industry :

Cleaning water, pre-filter for ultra pure water etc.

Chemicals :

Paint Ink Resins Adhesives Catalysts Solvents Surfactants etc.

Food & Beverages :

Tea, Juices, Wine, Spirits, Soy sauce, Soups, Vinegar, Syrup etc.

Electronics :

Pure water, Optical films, PCB, FPC, Shadow masks, Lead frames, TAB, Electrolyzed copper foils, Ceramic capacitors , Resist etc.

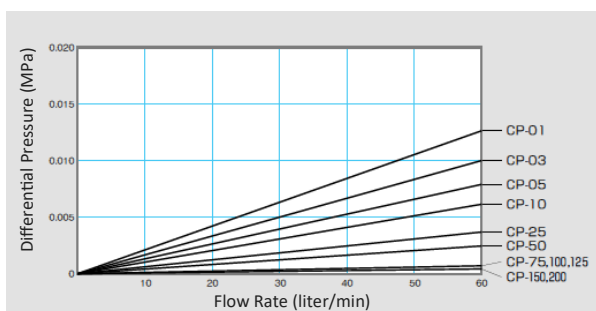
Filter Rating

Grade	Nominal rating	Absolute rating	Grade	Nominal rating	Absolute rating
CP-01	1 μm	15 μm	CP-75	75 μm	90 μm
CP-03	3 μm	20 μm	CP-100	100 μm	100 μm
CP-05	5 μm	30 μm	CP-125	125 μm	125 μm
CP-10	10 μm	40 μm	CP-150	150 μm	150 μm
CP-25	25 μm	50 μm	CP-200	170 μm	170 μm
CP-50	50 μm	70 μm	-	-	-

※ Absolute rating values are only for the reference

Water Permeability

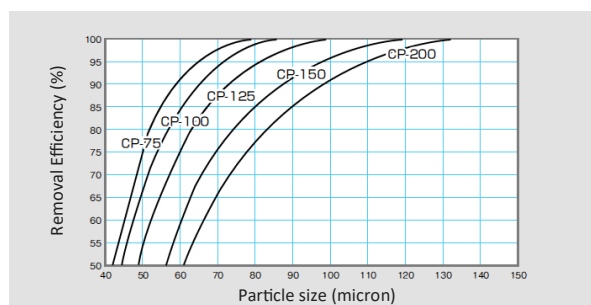
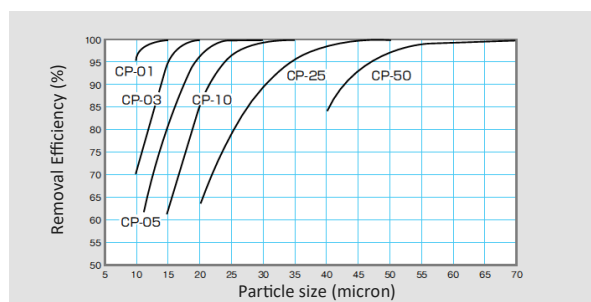
Flow Rate - Differential Pressure



※ 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)
CP -	01	(1 μm)	(DOE) Blank (Blank)		30 - 68 - (CP-01 - CP-100) 30 - 65 - (CP-125 - CP-200)	125		100
	03	(3 μm)				250, 254		50
	05	(5 μm)				500, 508		25
	10	(10 μm)				750, 762		20
	25	(25 μm)				1000, 1016		20
	50	(50 μm)						
	75	(75 μm)						
	100	(100 μm)						
	125	(125 μm)						
	150	(150 μm)						
	200	(200 μm)						
					28 - 64 -	124,127		100
						248, 254		50
						496, 508		25
						743, 762		25
						992, 1016		25



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