



Specifications

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

Filtration rate

Nominal	: 0.3, 0.5, 0.7, 1, 3, 5, 10, 25, 50, 75, 100, 150, 200, 350 micron
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Dimension

Double open ended:

ID x OD x Length

(CP2-A3 - CP2-A7)

30mm x 62mm x 125, 248, 250, 254, 496,
500, 508, 743, 750, 762,
991, 1000, 1016 mm

(CP2-01 - CP2-350)

30mm 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:

80°C (175°F)

Replacement Differential Pressure:

0.15MPa (22psi)

Maximum Differential Pressure:

0.55MPa (80psi) @ 20°C (68°F)

* depending on operating parameters



CLEAL[®]

CP2 FILTER Cartridges

Self-Bonding Binder-Free Surfactant-Free Long-Life Cartridge Filter

Features

Structure

Only special bi-component polypropylene fibers developed and patented by JNC are used, and each contact point of the fibers is thermally bonded to form a rigid fiber network that has uniform porosity and high tolerance for pressure. Moreover, since spin finish is not used, there is no foaming in the initial stage of filtering liquids. Furthermore, it has a clean and rigid filter structure that utilizes the innovative filtration process technology of the CP filter.

Advantages

- Spin finish is not used, and there is no foaming at the initial stage of filtering liquids.
- The constructed super-fine polypropylene fibers developed and patented by JNC ensure finer filtration.
- 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 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 0.3µm to 350µm.

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 :

Various plating, Water jets, Various washing water, Service water, etc.

Chemicals :

Resins, Adhesives, Oils and fats, Catalysts, Solvents, Surfactants, etc.

Food & Beverages :

Potable water, Tea, Juices, Wine, Spirits, Soy sauce, Seasonings and soups, Vinegar, Flavoring and food additives, Syrup etc.

Electronics :

Pure water, Optical fiber cleaning, Optical films, Printed-circuit boards, Shadow masks, Lead frames, TAB, Electrolyzed copper foils, etc..

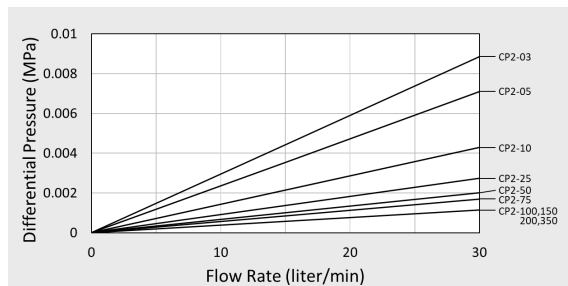
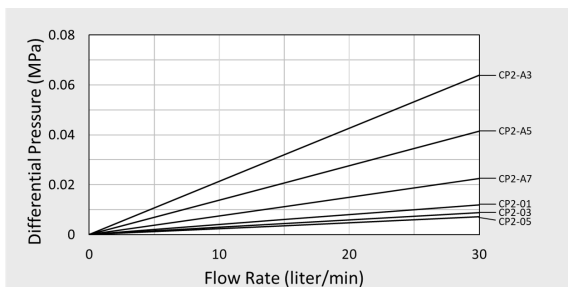
Filter Rating

Grade	Nominal rating	Absolute rating	Grade	Nominal rating	Absolute rating	Grade	Nominal rating	Absolute rating
CP2-A3	0.3 μm	3 μm	CP2-05	5 μm	30 μm	CP2-100	100 μm	125 μm
CP2-A5	0.5 μm	5 μm	CP2-10	10 μm	35 μm	CP2-150	150 μm	150 μm
CP2-A7	0.7 μm	7 μm	CP2-25	25 μm	45 μm	CP2-200	200 μm	170 μm
CP2-01	1 μm	15 μm	CP2-50	50 μm	70 μm	CP2-350	350 μm	200 μm
CP2-03	3 μm	25 μm	CP2-75	75 μm	90 μm	-	-	-

※ Absolute rating values are only for the reference

Water Permeability

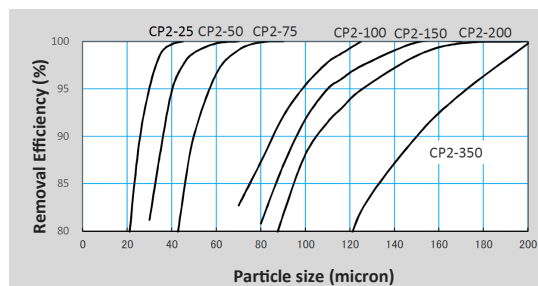
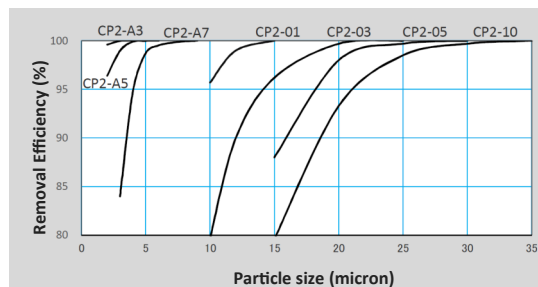
Flow Rate - Differential Pressure



※ 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)	
CP2 -	A3	(0.3 μm)	(DOE) Blank (Blank)		30 - 65 - (CP2-A3 - CP2-A7) 30 - 62 - (CP2-01 - CP-350)	125		100	
	A5	(0.5 μm)				248, 250, 254		50	
	A7	(0.7 μm)				496, 500, 508		25	
	01	(1 μm)				743, 750, 762 991, 1000, 1016		(A3-A7)	20
	03	(3 μm)						(01-350)	25
	05	(5 μm)	(SOE) E3 (222 O-ring with Flat End) E7 (226 O-ring with Spear End) M3 (222 O-ring with Flat End) M8 (222 O-ring with Spear End)		1 (NBR) 2 (Silicone) 3 (FKM) 4 (E-FKM) 5 (EPDM)	25 - 70 -	(E3)	282, 532, 777	6
	10	(10 μm)					(E7)	319, 568, 814	6
	25	(25 μm)					(M3)	265, 513, 762	6
	50	(50 μm)						1030	20
	75	(75 μm)						(M8)	319, 568, 814
	100	(100 μm)					1070		20
	150	(150 μm)							
	200	(200 μm)							
	350	(350 μm)							
Example : CP-10E72 25-70-814 (SPQ 6pcs)									
CP2 -	10	E7	2	25-70-	814	6			

Example : CP-10E72 25-70-814 (SPQ 6pcs)

CP2 -	10	E7	2	25-70-	814	6
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- * 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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