



## 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)

1.18" x 2.56" x 4.88", 5", 9.75", 10", 19.5",  
20", 29.25", 30", 39", 40"

(CP2-01 - CP2-350)

1.18" x 2.44" x 4.88", 5", 9.75", 10", 19.5",  
20", 29.25", 30", 39", 40"

Single open ended:

ID x OD x Length

0.98" x 2.76" x 10", 20", 30", 40"

## Operating Conditions

Maximum Operating Temperature:

80°C (175°F)

Replacement Differential Pressure:

22psi

Maximum Differential Pressure:

80psi @ 20°C (68°F)

\* depending on operating parameters

# CLEAL<sup>®</sup>

## 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

- Complies with RoHS regulations
- Complies with REACH regulations
- 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..



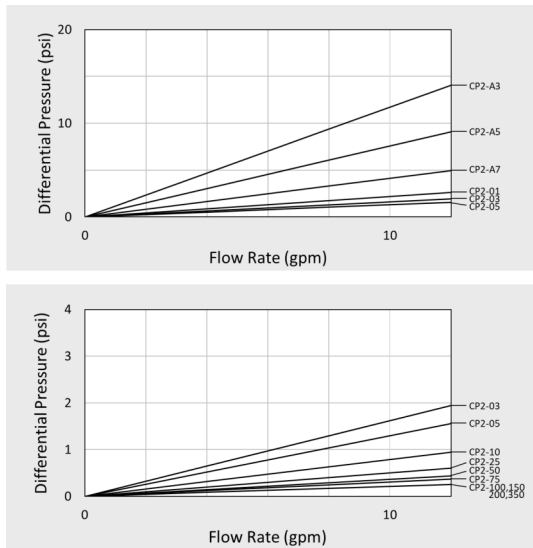
## Filter Rating

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

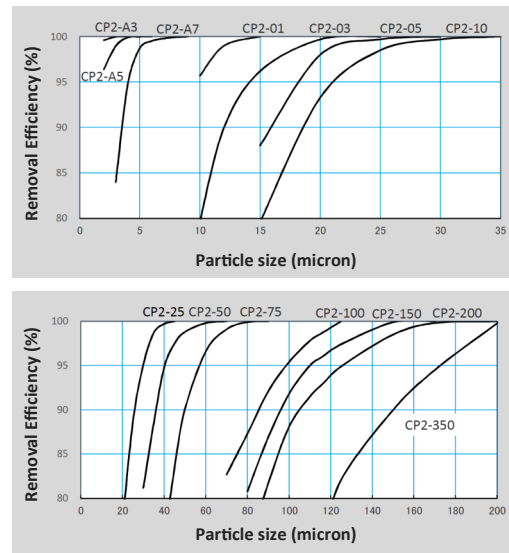
Flow Rate - Differential Pressure



※ per 10 inch, 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 (inch)	Length (inch)	SPQ (pcs/ctn)	
<b>CP2 -</b>	<b>A3</b>	(DOE) <b>Blank</b> (Blank)  (SOE) <b>E3</b> (222 O-ring with Flat End) <b>E7</b> (226 O-ring with Spear End) <b>M3</b> (222 O-ring with Flat End) <b>M8</b> (222 O-ring with Spear End)	<b>30 - 65 -</b> (CP2-A3 - CP2-A7 1.18"x2.56")  <b>30 - 62 -</b> (CP2-01 - CP2-350 1.18"x2.44")  <b>25 - 70 -</b> (0.98"x2.76")	<b>124</b> (4.88")	100	
	<b>A5</b>			<b>127</b> (5")	100	
	<b>A7</b>			<b>248</b> (9.75")	50	
	<b>01</b>			<b>254</b> (10")	50	
	<b>03</b>			<b>496</b> (19.5")	25	
	<b>05</b>			<b>508</b> (20")	25	
	<b>10</b>			<b>743</b> (29.25")	25	
	<b>25</b>			<b>762</b> (30")	25	
	<b>50</b>			<b>992</b> (39")	25	
	<b>75</b>			<b>1016</b> (40")	25	
	<b>100</b>			(E3) (E7) (M3) (M8)		
	<b>150</b>			(10")	<b>282</b> <b>319</b> <b>265</b> <b>319</b>	6
	<b>200</b>			(20")	<b>532</b> <b>568</b> <b>513</b> <b>568</b>	6
	<b>350</b>			(30")	<b>777</b> <b>814</b> <b>762</b> <b>814</b>	6
	(40")	<b>1030</b> <b>1070</b>	20			
Example : CP2-10E72 25-70-814 (SPQ 6pcs)						
<b>CP2 -</b>	<b>10</b>	<b>E7</b>	<b>2</b>	<b>25-70-</b>	<b>814</b>	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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