

# Chisso Self-bonded Spin Finish Free & Binder-free Depth Filter Cartridges

# CPIIFILTER



## What is CPII FILTER?

CPII Filters are composed of thermally bonded special Polypropylene fibers originally developed by Chisso, which provides rigid dimensionally stable construction. CPII Filters have a high porosity and a high tolerance for pressure. As no spin finish is adhered to the fiber surface during the fabrication of CPII Filter cartridges, foaming is not caused at the initial filtration stage. Chisso's CPII Filters are the reliable cartridges that inherited CP Filter in excellent filter efficiency.

## Features and Benefits

### Stable Ratings

The fiber contact thermally bonded provides no pore opening and optimum particle retention even under the high pressure.

### Spin Finish Free

Eliminating the spin finish on the cartridge causes no foaming at the initial filtration stage.

### Long Service Life

Fiber density gradient from outer layers to inner layers provides the ideal depth filtration.

### Withstand High Differential Pressure

Excellent in rigidity due to the three-dimensional matrix of fiber media.

### Excellent Chemical Compatibility

Polypropylene construction conforming to FDA provides broad chemical compatibility for a variety of applications.

### No Media Migration

Thermally bonded fiber matrix keeps the cartridges clean without media migration.

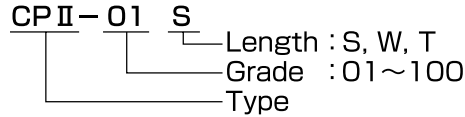
# CP II FILTER

## Product Specifications

### Product Range

Grade	01	03	10	25	50	75	100
Nominal Filter Rating( $\mu\text{m}$ )	1	3	10	25	50	75	100

### Product Coding



### Size

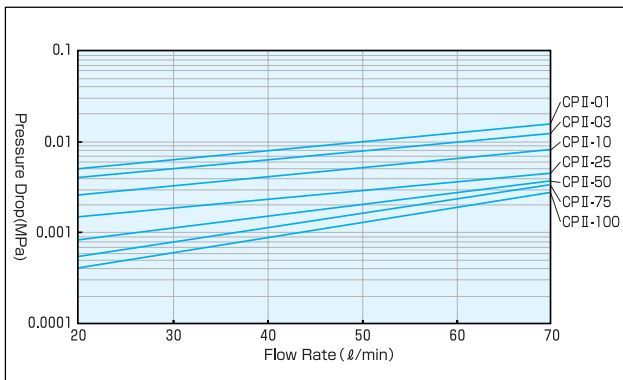
Outside Diameter	62mm
Inside Diameter	30mm
Length	S=250, W=500, T=750mm

### Package Unit

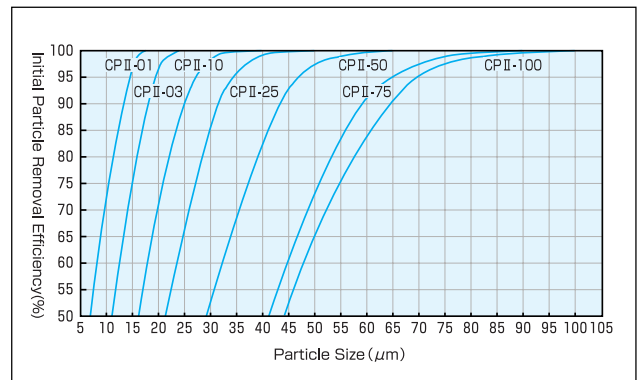
Length	Pack Carton Quantity
S (250mm)	50pcs/ctn
W (500mm)	25pcs/ctn
T (750mm)	25pcs/ctn

※Please consult Chisso Filter Co.,Ltd. consuming specifications.

## Flow Rate



## Initial Particle Removal Efficiency



## Chemical Compatibility

Compounds		Compatibility
Acids	Acetic Acid	○
	Hydrochloric Acid 10%	○
	Nitric Acid 10%	○
	Sulfuric Acid 30%	○
Alkalis	Ammonia 10%	○
	Sodium Hydroxide 60%	○
Alcohols	Methanol	○
	Ethanol	○
	Isopropyl Alcohol	○
Esters	Ethyl Acetate	△
Ketones	Acetone	○
	MEK	○

(Note)

- The data above is for room temperature.
- Consult Chisso Filter Co., Ltd. in more details about chemical compatibility.
- Chemical compatibility under the actual conditions varies with temperature, pressure and time, prior testing is recommended.

## Applications

- Food & Beverages** : Potable Water, Soft Drinks, Edible Oil, Brewery, SAKE, Soya Sauce etc.
- Electronics** : IC Washing Water, Plating Solutions, Liquid Crystal, Magnetic Coatings etc.
- Water Treatment** : Washing Water, Prefiltration for Pure Water
- Chemical Processing Fluids** : Industrial Coatings, Printing Inks, Resins, Adhesives, Solvents, Surfactants etc.
- Pharmaceuticals** : Dialyzer, Health Care Beverages, Cosmetics, Flavors etc.
- Others** : Gases, Compressed Air, Hydraulics, Thermal Pigments, Dyes etc.

Note: The data in this bulletin are obtained using our own test methods.

The data under actual use conditions may differ from those in this bulletin. Users are advised to make their own tests to determine the safety and suitability of each product for their own purposes.

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Chisso Filter Co., Ltd. Moriyama Plant officially acquired the ISO 9002 and ISO14001, international standards

## CHISSO FILTER CO.,LTD.

Headquarters and Osaka Sales Office :

3-6-32,Nakanoshima,Kita-ku,Osaka 530-6591 Japan  
(Phone)81-66441-3257 (Fax)81-66441-8836

Tokyo Sales Office :

4-3-16,Muromachi,Nihonbashi cho-ku,Tokyo 103-0011 Japan

Nagoya Sales Office : 1-19-32,Nishiki,Naka-ku,Nagoya 460-0003 Japan

Moriyama Plant : 230,Kawada-cho,Moriyama,Shiga 524-0001 Japan  
(Manufacturer of cartridge filters)