

ADVANTEC®

POLYPROPYLENE DEPTH CAPSULE
CARTRIDGE FILTERS
CCPD Type



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ADVANTEC TOYO KAISHA, LTD.

POLYPROPYLENE DEPTH CAPSULE CARTRIDGE FILTERS

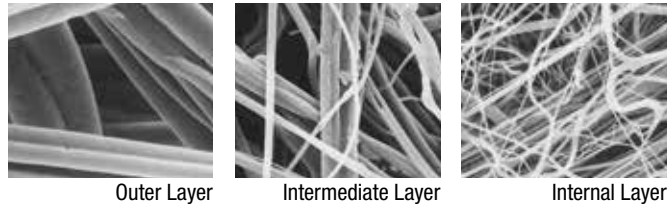
Features

- Filter porosity is high and a graded pore structure in which the pore size becomes smaller toward the core enables a longer product lifetime.
- Made with polypropylene, the filters have great chemical resistance, and handle acid, alkaline and many other organic solvents.
- The filter employs multilayer fusion-bonded polypropylene filaments, which minimize release and elution of fibers.

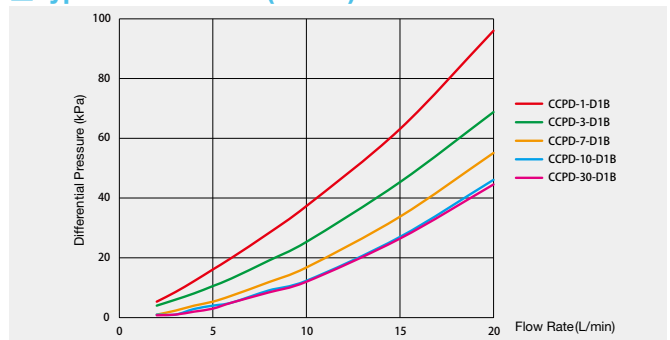
Applications

- Pre- and final filtrations of water and syrups, and for microfiltration used or produced in the food, beverage, and brewery industries
- Pre- and final filtrations of pure water and cleaning solution, and for microfiltration used in the pharmaceuticals and microelectronics industries
- Classification and filtration of CMP slurries, etc.
- Filtration of pastes and coating liquids
- Filtration of synthetic resins, resins, coatings, and other highly viscous liquid used in the paint industry
- Filtration of plating solutions, etching solutions, and acid and alkaline solutions used in the plating and printed circuit industries

Surface of the Filtering Layer (Electron Micrography)



Typical Flow Rate (Water)



- CCPD type cannot be used to filter gases.
- Wrap taper screws for pipes with sealing tapes.

Particle Retention Performance (Standard)

Product Name	Particle size							
	2μm	3μm	5μm	10μm	20μm	30μm	40μm	70μm
CCPD-1	90%	95%	>99%					
CCPD-3		70%	90%	>99%				
CCPD-7			40%	80%	>99%			
CCPD-10				60%	90%	95%	>99%	
CCPD-30					60%	90%	95%	>99%

● Particle retention when filtering standard latex dispersion water (10L/min, 250mm type)

Specifications

Product Name	CCPD-1			CCPD-3			CCPD-7			CCPD-10			CCPD-30		
	C1□	D1□	E1□	C1□	D1□	E1□	C1□	D1□	E1□	C1□	D1□	E1□	C1□	D1□	E1□
Maximum Differential Pressure	0.39MPa (25°C)														
Maximum Operating Temperature	60°C														
Sterilization	EOG, Autoclave ^{*1}														
Materials	Polypropylene														
Length (φ 77mm×length mm) ^{*2}	102	129	201	102	129	201	102	129	201	102	129	201	102	129	201

*1 : 121°C, 30 min.

*2 : Size of the product with Code H shape

□ 1/4" NPTM (1/4 in. NPT Male Screw) □ 1/2" NPTM (1/2 in. NPT Male Screw) □ 3/8" Hose Fixture (Hose Nozzle with 13mm Outer Diameter)
 □ 1.5S Ferrule (Connected with 1.5S Ferrule Gasket and Clamp)

● C1□ type does not have a shape code (1/2" NPTM).

- Specifications listed in this brochure are subject to change without notice.
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