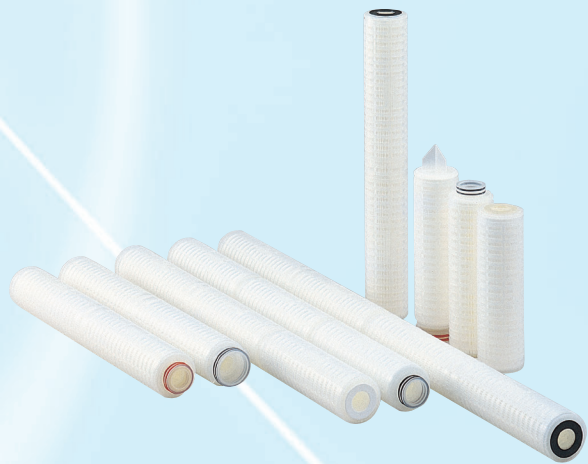


POLYPROPYLENE DEPTH PLEATED CARTRIDGE FILTERS

TCP-AM Type



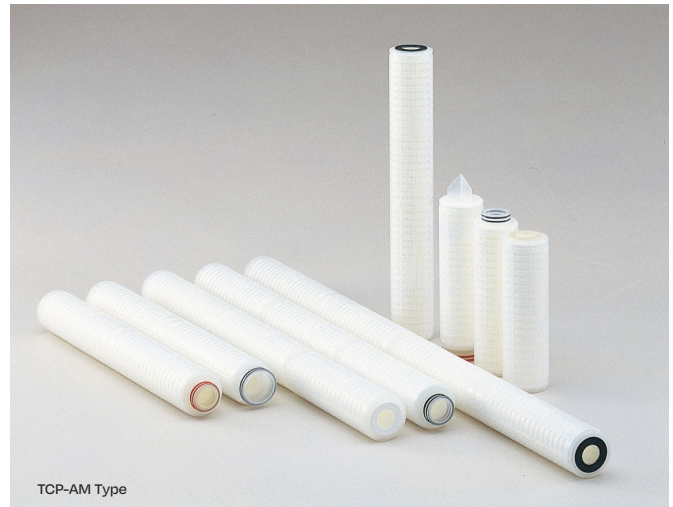
TCP-AM Type

POLYPROPYLENE DEPTH PLEATED CARTRIDGE FILTERS

Further more suitable filters for irregular foreign substances filtration compared with existing filters which are likely to cause clogging.

■ Features

- The structure that the progressive smaller pore sizes from outer to inner enables to capture irregular foreign substances efficiently.
- The pleated structure with large filtration area enables to minimize differential pressure compared with existing depth type cartridge filters. You can expect faster filtration in particular a high viscosity liquid filtration that flow rate is slower generally.
- The thick multiple layers enables to improve particle retention although its filtration area is narrower compared with conventional PP type cartridge filters.
- Reliable with mentioning the specification of the particle retention.
- As this cartridge filter is made with melt-bonding polypropylene filament, the fiber release is very less.
- Its excellent chemical resistance brings compatibility to acid, alkali and various organic solvents.



TCP-AM Type

■ Major Applications

- For pigment resist, coating liquid, ultra-pure water, solvent, chemicals, slurry for magnetic materials, process gas and so on in microelectronics.
- For abrasive particles, resin, monomer, catalysts, gasses and so on in chemical industries.
- Pre-filtration and Final-filtration for such as process water, solvent, intermediate substances, finished products and so on in pharmaceuticals and cosmetics.
- For process water, syrup, soft drinks and so on in Food & Beverage and Breweries.

■ Specifications

Grade	TCP-003AM	TCP-005AM	TCP-010AM	TCP-015AM	TCP-020AM
Filtration Area (cm ² /250mm)	2,700	2,800	1,840	2,260	2,900
Layer	6	5	6	4	
Support Media	Yes				N/A
Maximum Operating Differential Pressure	0.49MPa (25°C)				
Maximum Operating Temperature	80°C				
Sterilization Method	autoclavable at 121°C for 30 minutes inline steam at 126°C for 30 minutes (available for code N/H/K/J) EOG with O-ring seal				

* It is recommended that you review the maximum different pressure and the maximum operation temperature before use as these factors are determined by a water test and could fluctuate depending on various conditions such as liquid filtered, pressure, temperature and filtration time.

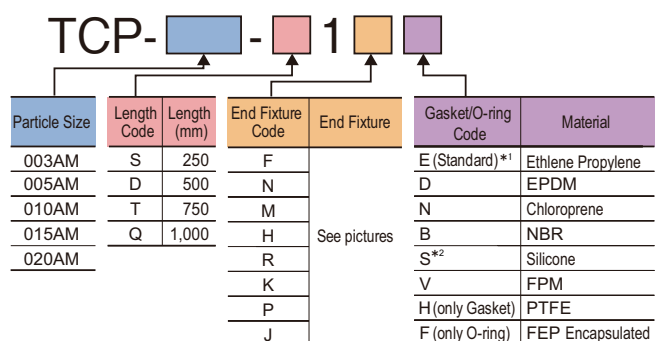
- The plastic cartridge housing can degrade over time especially with long term exposure of fluids containing oxidizing agents such as chlorine. The degree of degradation varies depending on conditions such as temperature, pressure or types of chemicals used. Regular replacement is recommended.

■ Particle Retention (Standard)

Grade	Particle Size					
	0.3μm	0.5μm	0.8μm	1μm	1.5μm	2μm
TCP-003AM	99%					
TCP-005AM		99%				
TCP-010AM			99%	>99%		
TCP-015AM				93%	>99%	
TCP-020AM			43%	77%	99%	>99%

- Test Criteria: Single length (250mm) cartridge, flow rate 10L/min. Latex dispersion water with each particle of microshares.

■ Naming Rule

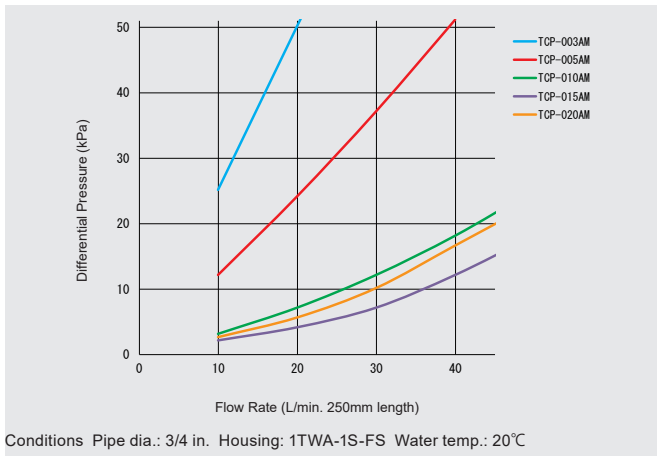


*1 In case for Food & Beverage, do not choose Ethylene Propylene for Gasket/O-ring

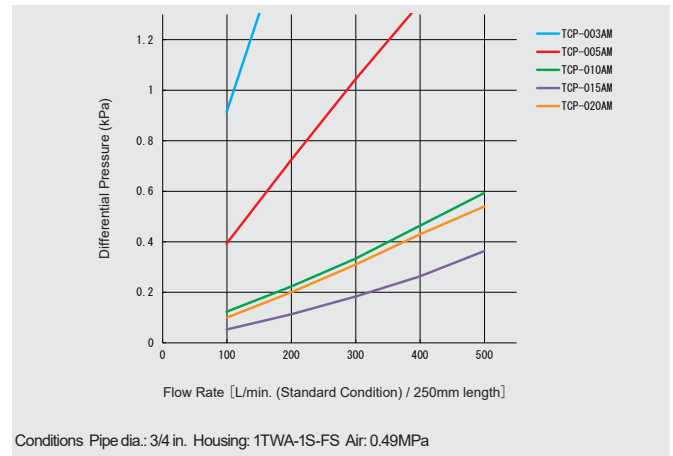
*2 This is a standard for the End Fixture Code: H, K and J.

POLYPROPYLENE DEPTH PLEATED CARTRIDGE FILTERS

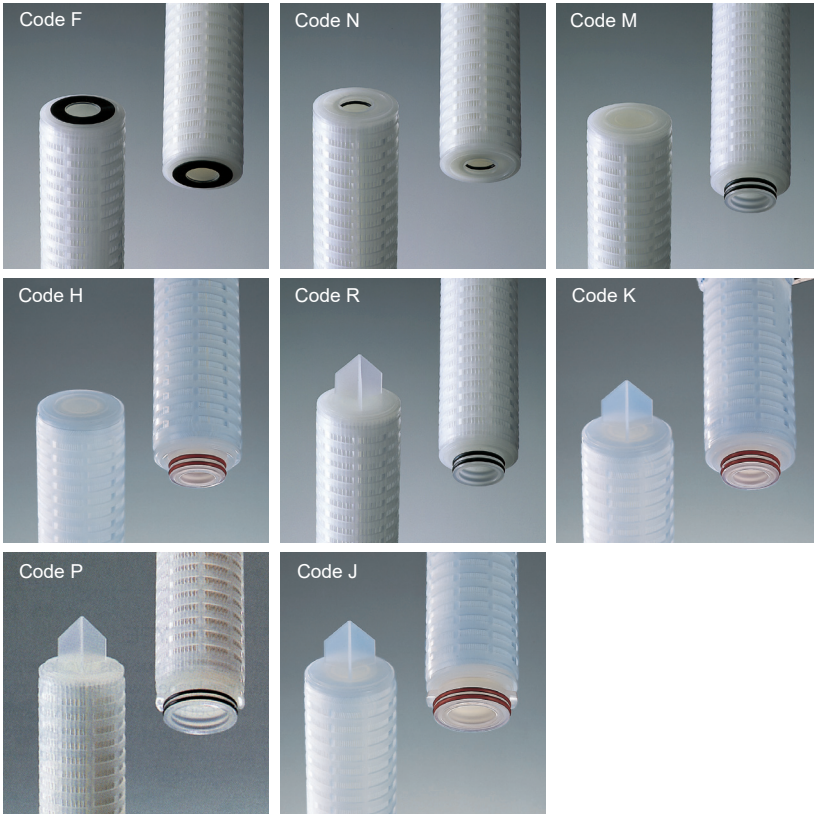
Typical Flow Rate (Water)



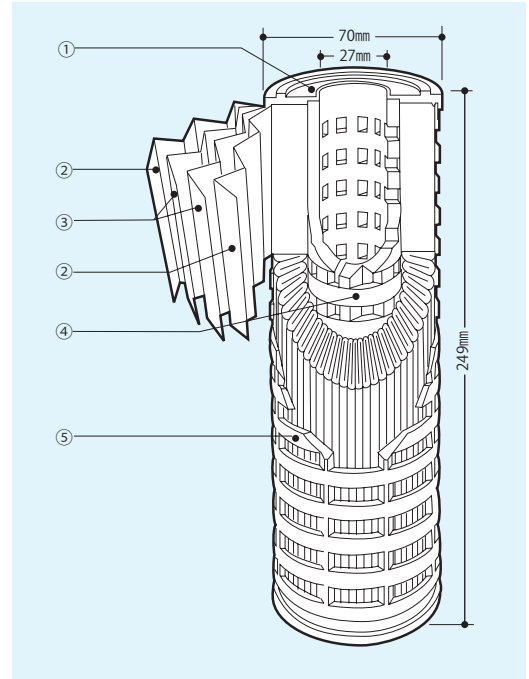
Typical Flow Rate (Air)



End Fixture



Structure



① End Cap	Polypropylene
② Support Media	
③ Membrane	
④ Core Tube	
⑤ Outer Sleeve	

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