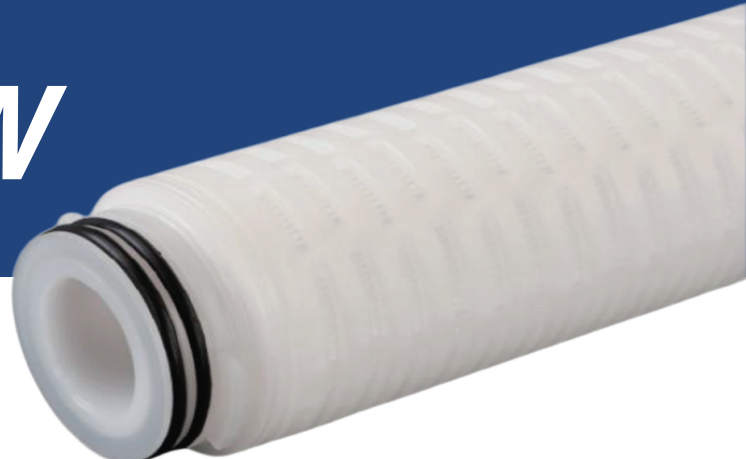


KETCO PLEATFLOW



FEATURES

- ▶ **High Surface Area Design** Pleated media offers significantly larger filtration surface area compared to depth filters, ensuring longer service life and reduced maintenance frequency.
- ▶ **Consistent Filtration Efficiency** Delivers stable and reliable particle retention, even under varying flow and pressure conditions.
- ▶ **Low Initial Pressure Drop** Optimized media structure ensures high flow rates with minimal resistance, improving energy efficiency and reducing pump load.
- ▶ **Wide Chemical Compatibility** Constructed from high-purity polypropylene or other compatible polymers to handle a broad range of industrial fluids.
- ▶ **Customizable Micron Ratings** Available in a wide range of ratings (0.5 to 100 microns) to meet various process requirements.
- ▶ **Multiple End Cap Configurations** Compatible with most industry-standard housings (DOE, SOE, 222/fin, 226/flat, etc.) for plug-and-play replacement.
- ▶ **Certifications**
 - ▶ USP Class VI: Meets USP Class VI Biological Test for Plastics
 - ▶ FDA listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.

ORDERING GUIDE

PF	1	A2	E	P	0
	Length	Removal Efficiency	Gasket	Core	Connections
	1: 10"	A2 : 0.2 um 10 : 10 um	E : EPDM	Blank : PP	0 = DOE
	2: 20"	A5 : 0.5 um 20 : 20 um	N : Buna N	P : Reinforced PP	2 = 222/Flat
	3: 30"	A65 : 0.65 um 30 : 30 um	S : Silicone	G : FD Reinforced PP	3 = 222/Fin
	4: 40"	01 : 1 um 50 : 50 um	V : Viton		4 = 222/Fin with SS insert
		03 : 3 um 70 : 70 um	PV : PFA Encapsulated FKM		5 = 226/Fin with SS insert
		05 : 5 um 100 : 100 um	PS : PFA Encapsulated Silicone		6 = 226/Fin

SPECIFICATIONS

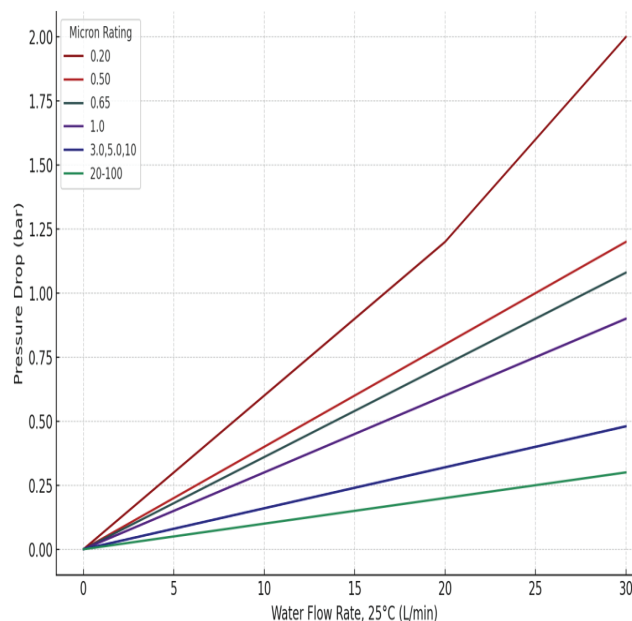
Filter Media	Polypropylene
Support Layers	Polypropylene
End Caps / Core / Cage	Polypropylene / Glass fiber reinforced Polypropylene
Micron Ratings	0.2, 0.5, 0.65, 1, 3, 5, 10, 20, 30, 50, 70, 100 μ m
Outer Diameter	68mm
Inner Diameter	33mm
Sealing	Silicone, EPDM, FKM, NBR, PFA Encapsulated FKM/ PFA Encapsulated silicone
Steam Sterilization	121C for 30min
Lengths Available	10", 20", 30", 40"
Filtration Surface Area	Up to 0.7 m ² per 10" cartridge

Removal Rating	$\beta = 10$ (90%)	$\beta = 5$ (80%)
0.2 μ m	0.2	< 0.2
0.5 μ m	0.5	0.2
0.65 μ m	0.65	0.3
1.0 μ m	1.0	0.4
3.0 μ m	3.0	2.0
5.0 μ m	5.0	4.0
10 μ m	10	6.0
20 μ m	20	15
30 μ m	30	25
50 μ m	50	30

Temperature	PP	Reinforced PP	GF Reinforced PP	Max. Reverse dP
20°C/68°F	690kPa/100psi	690kPa/100psi	690kPa/100psi	450kPa/65psi
40°C/104°F	600kPa/87psi	690kPa/100psi	690kPa/100psi	400kPa/58psi
60°C/140°F	360kPa/52psi	690kPa/100psi	690kPa/100psi	350kPa/51psi
80°C/176°F	270kPa/39psi	500kPa/72psi	690kPa/100psi	160kPa/23psi
90°C/194°F	250kPa/37psi	450kPa/65psi	690kPa/100psi	140kPa/20psi

Testing was conducted using the single-pass test method, water flow rate at 10 lpm (2.6 gpm)/10" cartridge filter. Contaminants included coarse and fine test dust. Removal efficiencies were determined using laser particle counters.

Pressure Drop vs Water Flow Rate



APPLICATIONS

- ▶ Electronics and semiconductor process water
- ▶ Food & beverage final filtration and ingredient water
- ▶ Pharmaceutical-grade water systems
- ▶ High-purity chemical processing
- ▶ Bottled water production
- ▶ Inks, dyes, paints, and coatings
- ▶ Cooling tower and chiller loop polishing
- ▶ RO prefiltration and post-filtration
- ▶ Laboratory and DI water systems

