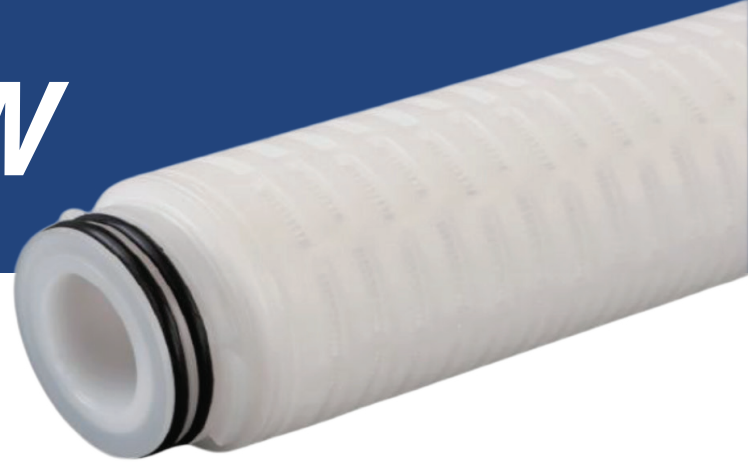


KETCO PLEATFLOW



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

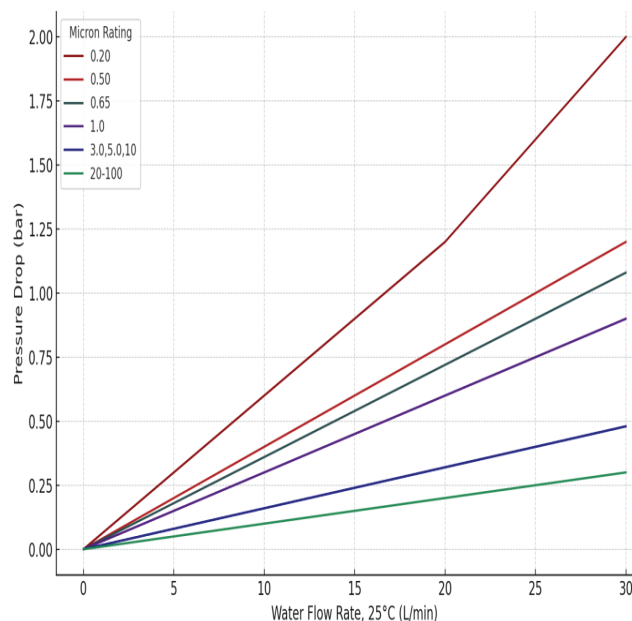
Filter Media	Polypropylene
Support Layers	Polypropylene
End Caps / Core / Cage	Polypropylene / Glass fiber reinforced Polypropylene
Micron Ratings	0.2, 0.5, 0.65, 1, 3, 5, 10, 20, 30, 50, 70, 100 μm
Outer Diameter	68mm
Inner Diameter	33mm
Sealing	Silicone, EPDM, FKM, NBR, PFA Encapsulated FKM/ PFA Encapsulated 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 μm	0.2	< 0.2
0.5 μm	0.5	0.2
0.65 μm	0.65	0.3
1.0 μm	1.0	0.4
3.0 μm	3.0	2.0
5.0 μm	5.0	4.0
10 μm	10	6.0
20 μm	20	15
30 μm	30	25
50 μm	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

