

KETCO PLEATPURE ABS



FEATURES

- ▶ **FDA-Compliant Materials** Constructed using polypropylene materials compliant with FDA CFR21 for safe use in critical applications.
- ▶ **High Chemical Compatibility** Suitable for filtering both ordinary and corrosive fluids, thanks to its broad solvent tolerance.
- ▶ **Absolute Filtration Ratings** Offers precise, absolute-rated filtration from 0.1µm to 30µm for consistent contaminant removal.
- ▶ **Versatile Length Options** Available in standard lengths from 10" to 40" to match various system requirements.
- ▶ **Customizable End Connections** Supports a variety of connection types to fit most filter housings based on customer needs.
- ▶ **High Surface Area Design** Pleated structure ensures extended service life and low initial pressure drop for greater efficiency.
- ▶ **High Purity Construction** All components are made of 100% high-purity polypropylene, ideal for critical process environments.
- ▶ **Cleanroom Manufactured** Produced and assembled in a cleanroom environment to minimize the risk of contamination.
- ▶ **Adhesive-Free Construction** Manufactured without the use of adhesives to prevent extractables and ensure process purity.
- ▶ **Broad Compatibility** Designed to fit a wide range of commercially available filter housings for easy replacement and installation.
- ▶ **Regulatory Compliance**

FDA 21 CFR 177	EN 285:2015
ISO 10993-Part 1, 5	Regulation (EC) No 1935/2004

ORDERING GUIDE

PFA	1	A1	E	S	0
	Length	Removal Efficiency	Gasket	Core	Connections
	1: 10"	A1 : 0.1 um 03 : 3 um	E : EPDM	Blank : PP	0: DOE
	2: 20"	A2 : 0.2 um 05 : 5 um	N : Buna N	S : 316L Stainless Steel	1: 222/Flat with SS insert
	3: 30"	A45 : 0.45 um 08 : 8 um	S : Silicone	G : FD Reinforced PP	2: 222/Flat
	4: 40"	A65 : 0.65 um 10 : 10 um	F : FPM / FKM		3: 222/Fin
		01 : 1 um 20 : 20 um			4: 222/Fin with SS insert
		02 : 2 um			5: 226/Fin with SS insert
					6: 226/Fin
					7: 226/Flat
					8: 226/Flat with SS insert



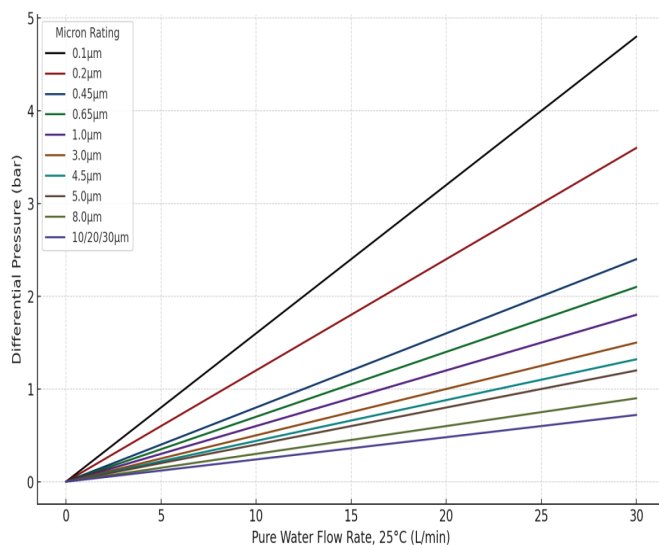
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SPECIFICATIONS

Filter Media	Polypropylene
Inner Support Core	Polypropylene / SUS 316L
Outer Cage	Polypropylene
End Caps	Polypropylene
Micron Ratings	0.1, 0.2, 0.45, 0.65, 1, 3, 4.5, 5, 8, 10, 20, 30µm
Outer Diameter	68mm
Inner Diameter	33mm
Sealing	Silicone, EPDM, FKM, NBR, PFA Encapsulated FKM/ PFA Encapsulated silicone
Max. Temperature:	80C
Max. Diff. Pressure	5.2bar @ 25C; 2.7bar @ 80C
Steam Sterilization	121C for 30min, 90C hot water daily sterilization during CIP phases
Lengths Available	10", 20", 30", 40"
Filtration Surface Area	Up to 0.52 m ² per 10" cartridge
Filtration Efficiency	> 99.98%

Differential Pressure vs Pure Water Flow Rate



Removal Rating (µm)	β = 5,000 (99.98%)	β = 1,000 (99.9%)	β = 100 (99%)
0.1	0.1	0.1	0.1
0.2	0.2	0.1	0.1
0.45	0.45	0.3	0.1
0.65	0.65	0.5	0.4
1.0	1.0	0.9	0.65
2.0	2.0	1.8	1.3
3.0	3.0	2.8	1.8
4.5	4.5	3.6	3.2
5.0	5.0	4.2	3.8
8.0	8.0	7.2	5.2
10.0	10.0	9.5	6.5
20.0	20.0	22.0	16.0

* Data less than 1 is an extrapolated value

APPLICATIONS

PLATING BATHS Maintains bath integrity by removing fine particulates that affect plating quality.

FOOD & BEVERAGE Safe for food contact; provides effective filtration for flavor-critical and hygienic processes.

ULTRAPURE WATER Suitable for semiconductor and pharmaceutical applications requiring minimal extractables and leachables.

ETCH BATHS Protects process stability by removing submicron contaminants from etching solutions.

PHARMACEUTICALS Manufactured under cleanroom conditions for use in critical filtration of active ingredients and solutions.



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TRUSTED FILTRATION SOLUTIONS

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