MTS/APIC FILTER

FILTER CARTRIDGE FOR FLUIDS > DEPTH FILTER ELEMENTS

STA

Technical changes reserved | Rev.: 017.26.07

-> TO THE PRODUCT

These filter cartridges are manufactured using the meltblown process and are made from 100% polypropylene. The ultra-fine fibers are thermally bonded in a proprietary manufacturing process. The asymmetric filter structure, featuring a progressively finer pore gradient from the outside to the inside, provides a high dirt-holding capacity.

The filtration efficiency is 99.9% (Beta = 1000). An integrated support core provides enhanced differential pressure and temperature resistance while ensuring excellent mechanical stability.

Features

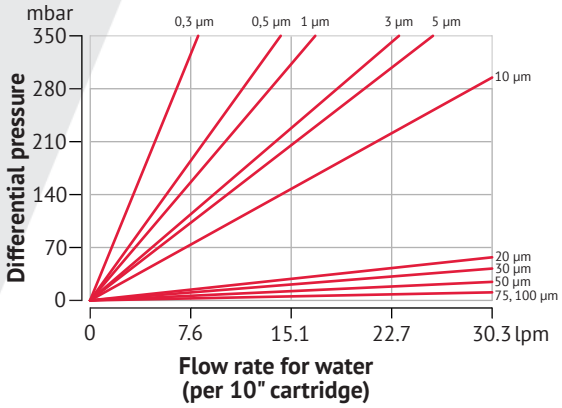
- Full traceability through LOT numbers
- Biologically safe in accordance with USP Class VI
- Free from wetting agents, binders, and adhesives
- Materials comply with FDA regulations (21 CFR §§ 174.5 and 177.1520) as well as EC Regulation No. 1935/2004 and EU Regulation No. 10/2011, making them suitable for food and beverage contact applications.

TECHNICAL DATA

Filter medium	Polypropylene
Core, Cage, End caps	Polypropylene
Gaskets	Perbunan, EPDM, Silicone, Viton, Viton (teflon encapsulated)
Micron rating [µm]	0,3, 0,5, 1, 3, 5, 10, 20, 30, 50, 70, 100
Diameter [mm]	Outside: 63,5; incl. End caps 67 Inside: 25,4
Length ["]	5", 9 3/4", 10", 19 1/2", 20", 29 1/4", 30", 39", 40"
Max. Working temperature [°C]	80
Differential pressure	max. 10,3 bar at 20 °C max. 6,2 bar at 66 °C max. 2,4 bar at 80°C
Filter change	empfohlen bei 2,4 bar Differenzdruck
Sterilization	Autoklave for 30 min. at 121°C; Only for Adapter C2, C3, C7, C8 and AM, under no end load conditions.

Typical applications

- Coatings, paints,Inks
- Pharmaceuticals
- Food and Beverages
- Cosmetics
- Ultrapure water for the electronics industry
- Microelectronics
- CMP Slurry



RETENTION RATE

Micron rating	99,9% ß = 1000	99% ß = 100	90% ß = 10
0,3 µm	0,5 µm	0,4 µm	0,3 µm
0,5 µm	0,6 µm	0,5 µm	0,4 µm
1 µm	1,0 µm	0,8 µm	0,5 µm
3 µm	3,0 µm	2,3 µm	1,4 µm
5 µm	5,0 µm	4,0 µm	2,7 µm
10 µm	10,0 µm	7,0 µm	4,0 µm
20 µm	20,0 µm	15,0 µm	12,0 µm
30 µm	30,0 µm	20,0 µm	14,0 µm
50 µm	50,0 µm	34,0 µm	25,0 µm
70 µm	70,0 µm	50,0 µm	39,0 µm
100 µm	100,0 µm	85,0 µm	60,0 µm

Order information

STA [ ] - [ ] [ ] [ ]

Micron rating in µm	
0.3	20
0.5	30
1	50
3	70
5	100
10	

Length	
5	5"
9.75	9 3/4"
10	10"
19.5	19 1/2"
20	20"
29.25	29 1/4"
30	30"
39	39"
40	40"

Adapter	
N	None
P	DOE
P3	222 / Flat
P8	222 / Fin
P7	226 / Fin
P2	226 / Flat
AM	O-ring inside (Ametek)

Gasket	
N	None
B	NBR
S	Silicone
E	EPDM
V	Viton

Order example: STA 0.5-20P3V

MTS & APIC Filter GmbH & Co. KG • Egartenring 28/30 • 75378 Bad Liebenzell • Telefon: +49 7052 - 408 94 - 0 • E-Mail: info@mts-apic-filter.de