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The STA-filtercartridges are produced with the meltblown procedure and made completely of polypropylene. Very thin fibres are thermal bound in a special process.

An asymmetrical filter structure (getting finer from the outside to the inside) provides a high dirt holding capacity in combination with a high flow rate. The separation efficiency in 99,9 % (Beta = 1000). The integrated support core provides a higher differential pressure and temperature resistance.

Applications:

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

Features:

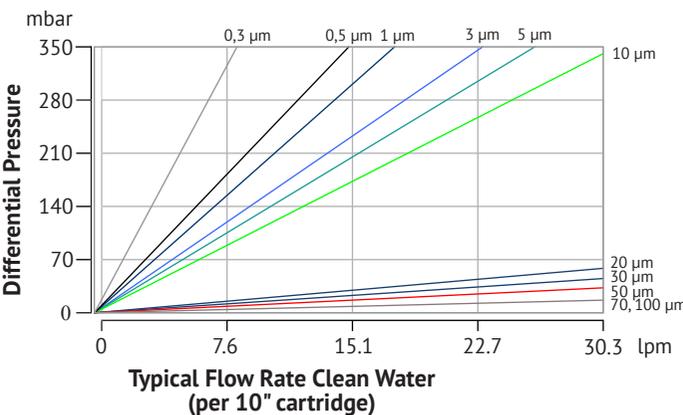
- Lot traceable filters
- Absolute retention ratings from 0.3 to 100 microns
- Biological Safety in accordance with USP Class VI
- Free of surfactants, binders and adhesives
- FDA-approved, suitable for food and beverages

General Technical Data

Material Filter Medium:	Polypropylene
Material End Caps:	Polypropylene
Gaskets / O-Rings:	Buna, EPDM, Silikon, Viton, Teflon Encapsulated Viton
Micron Rating:	0,3, 0,5, 1, 3, 5, 10, 20, 30, 50, 70, 100 µm
Inner Diameter:	25,4 mm
Outer Diameter:	63,5 mm, 67 mm with end caps
Length (in Inch):	5", 9 3/4", 10", 19 1/2", 20", 29 1/4", 30", 39", 40"
Max. Working Temperature:	80°C
Differential Pressure:	max. 10,3 bar @ 20 °C max. 6,2 bar @ 66 °C max. 2,4 bar @ 80 °C
Recommended change-out pressure:	2.4 bar
Steam Sterilization:	Autoclaved for 30 min at 121 °C; only for Adapter C2, C3, C7, C8 and AM, only dismantled condition

Micron Rating depending on the Removal Efficiency

Micron Rating	99,9%	99%	90%
	β = 1000	β = 100	β = 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				Length		Adapter		Gasket	
0.3	0,3 µm	20	20 µm	5	5"	N	None	N	None
0.5	0,5 µm	30	30 µm	9.75	9 3/4"	P	DOE	B	NBR
1	1 µm	50	50 µm	10	10"	P3	222 / Flat	S	Silicone
3	3 µm	70	70 µm	19.5	19 1/2"	P8	222 / Fin	E	EPDM
5	5 µm	100	100 µm	20	20"	P7	226 / Fin	V	Viton
10	10 µm			29.25	29 1/4"	P2	226 / Flat		
				30	30"				
				39	39"	AM	o-ring		
				40	40"		inboard(Ametek)		

Order example: STA 0.5-20P3V