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

With a multi-zoned construction, true clarifying filtration is achieved with no unloading of captured contaminant.

The asymmetric structure (becoming finer from the outside to the inside) enables a high dirt holding capacity in combination with high flow rates.

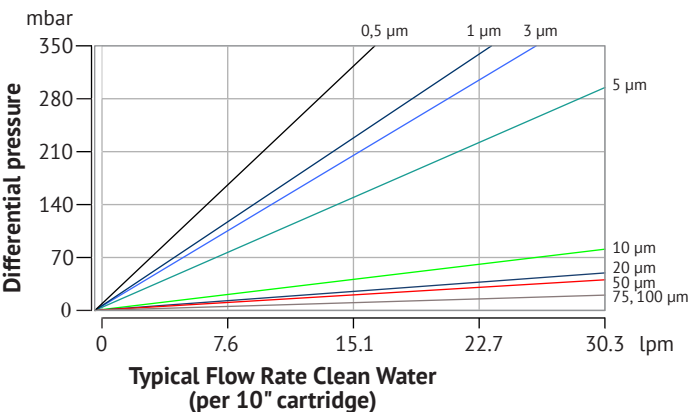
The integrated support ensures increased differential pressure and temperature resistance.

### Features:

- 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.
- European Directive for Direct Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behavior and is suitable for contact with all kinds of foodstuffs with minimal rinse-up. Data available upon request.

### General Technical Data

Filtermedia:	Polypropylene
End caps:	Polypropylene
Gaskets/ O-Rings:	NBR, EPDM, Silicone, Viton, Viton (teflon encapsulated)
Micron ratings:	0,5, 1, 3, 5, 10, 20, 30, 50, 75, 100 µm
Diameter:	inside: 25,4 mm outside: 63,5 mm, 67 mm with endcaps
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



### Applications:

- Pre-filter in water treatment
- Process filters for: Solvents, chemicals, electroplating/surface technology, paints
- Oils, fats
- Paint/Inks
- Food and Beverage
- Biotechnology
- Film emulsions
- Solvents
- Microelectronics

### Order information

STC  -  -

Micron rating				Length		Adapter		Gasket	
0.5	0,5 µm	20	20 µm	5	5"	N	None	N	None
1	1 µm	50	50 µm	9.75	9 3/4"	P	DOE	B	NBR
3	3 µm	75	75 µm	10	10"	P3	222	S	Silicone
5	5 µm	100	100 µm	19.5	19 1/2"	P8	222 / Fin	E	EPDM
10	10 µm			20	20"	P7	226 / Fin	V	Viton
				29.25	29 1/4"	P2	226		
				30	30"				
				39	39"	AM	O-Ring innenliegend (Ametek)		
				40	40"				

Order example: STC 1-20P3V