

CHT Polypropylene filter cartridge



- Absolute grade with efficiency of 99.98%.
- Micron rating range from 0.5 to 120 micron.
- Filter element meet European Pharmacopoeia (IIIed. 1996).
- Thermowelded construction.
- Construction in accordance with international standards (fits existing housings).
- High dirt holding capacity.
- Contaminants retained inside the cartridge.
- Filter cartridges own the PZH certificate.

CHT filter cartridges were developed by ChemTech to provide consistent filtration in a wide range of liquid process applications (chemical, petrochemical, water treatment, food&beverage, RO and etc..).

The filter cartridges are constructed of 100% melt blown polypropylene fibers. The innovative melt blowing process used to manufacture the filter cartridge provide to optimize the filtration properties of the element while maintaining very robust mechanical properties.

The CHT filters own the prefiltration polypropylene layers of decreasing porosity to achieve high effective filtration area, high dirt holding capacity and precise and controlled filter ratings.

Pressure drop

Water flow rate fo 10 inch cartridge, 1 m³/h (25°C, 1 cP).

efficiency [um]	pressure drop ΔP [mbar]
0,5	730
1	410
3	230
5	130
10	30
20	15
> 30	10

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Materials of construction

Medium	: polypropylene
Core	: polypropylene or nylon/glass
End caps	: polypropylene

Dimensions

Inside diameter	: 28mm
Outside diameter	: 63mm
Length	: from 5" to 60"

Operating conditions

Max continuous temperature	: 82°C
Max differential pressure	: 4 bar (T=40°C)
Recommended pressure drop for exchange	: $\Delta P=1$ bar

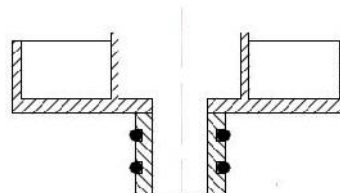
Sanitisation

CHT cartridges can be sanitised with hot water up to 85°C (for cartridges with polypropylene core) and 105°C (for cartridges with nylon / glass core) as well as wide range of chemicals.

Ordering information

Length [inch]	Type	Efficiency [um]	End caps	O-rings	Core
5 = 5	CHT	001 = 0.01	DOE = plain cut end	B = NBR	none = polypropylene
1 = 10		05 = 0.5	2FL = code 222 / flat	E = EPDM	
2 = 20		1 = 1	2FN = code 222 / fin	S = Silikon	GFNC = nylon/glass
3 = 30		3 = 3	6FL = code 226 / flat	V = Viton	
4 = 40		5 = 5	6FN = code 226 / fin	O = polyethylene foam	
**		10 = 10	M = double open end		
		20 = 20			
		30 = 30	FC = code FC*** / flat		
		40 = 40			
		50 = 50			
		70 = 70			
		90 = 90			
		100 = 100			
		120 = 120			

(**) other available on request



(***) FC - o-ring 1/2"