

NCHT Polyamide Filter Cartridges



- Absolute grade.
- Micron rating range from 3 to 120 micron.
- Filter element meet European Pharmacopoeia (Iled. 1996).
- Thermowelded construction.
- Construction in accordance with international standards (fits existing housings).
- High dirt holding capacity.
- Contaminants retained inside the cartridge.
- Suitable for pharmaceutical applications.

NCHT filter cartridges are constructed of 100% melt blown nylon fibers („Nylon” is the best known brand name of polyamide by DuPont Co.). 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.

NCHT filters have a wide range of chemical compatibility and are suitable for most solvents such as aromatics hydrocarbons (xylene, toluene, benzene, etc.)/vegetable and mineral oils. They are suitable for continuous high temperature applications.

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

Pressure drop

Water flow for 10” cartridge [1 m³/h (1 cP)]

micron rating [um]	pressure drop ΔP [mbar]
3	230
5	130
10	30
20	15
>30	10

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Construction materials

Medium	: polyamide
Core	: polyamide or polyamide/glass fiber
End caps	: polyamide

Dimensions

Outside diameter	: 28mm
Inner diameter	: 63mm
Length:	: 5" to 60"

Recommended working parameters

Max. pressure drop	: polyamide core	2 bar @ 100°C 3 bar @ 80°C 4 bar @ 60°C
	: polyamide / glass fiber	3 bar @ 150°C 4 bar @ 100°C 6 bar @ 70°C
Recommended replacement	: $\Delta P = 1-2$ bar depending on process design	

Order information

Length [inch]	Type	Micron rating [um]	End cap	Sealing	Core
from 9,75" to 60" (*)	NCHT	05 = 0.5	Double open end=DOE	B = NBR	NS=polyamide + fiberglass[um]
		1 = 1	Kod 222/flat = 2FL	E = EPDM	
		3 = 3	Kod 222/fin = 2FN	S = Silicone	none=polyamide
		5 = 5	Kod 226/flat = 6FL	V = Viton	
		10 = 10	Kod 226/fin = 6FN		
		20 = 20	Kod FC*/flat = FC		
		30 = 30			
		40 = 40			
		50 = 50			
		70 = 70			
		90 = 90			
		100 = 100			
		120 = 120			

(*) multiple 9,75" or/and 10"