

TechnoDepth-A Absolute Depth Filter

Polypropylene Melt-Blown Depth Absolute

TechnoDepth-A Absolute rated depth filter cartridge features a three-layer graded pore size design to deliver progressive contaminant removal, ensuring exceptional dirt-holding capacity, high removal efficiency, and long service life.



Key Features & Benefits

- Constructed from 100% virgin polypropylene without the use of additives, resins or adhesives
- A three-layer graded density structure combined with a micro-denier fibre construction ensures high filtration efficiency, extended service life, and a consistently low pressure drop
- The media is thermally bonded, preventing fibre migration and ensuring reliable downstream protection
- Available in LD size to fit Big Blue plastic housings
- Can be supplied either as a plain cut DOE or with a range of thermally welded end-cap configurations
- Self-Supporting integral inner core layer eliminates the need for a separate inner core but still offers high collapse pressure (3.5 bar at 20 °C)
- Absolute rated to up to Beta 5000 (99.98%) efficiency to ensure consistent contaminant removal

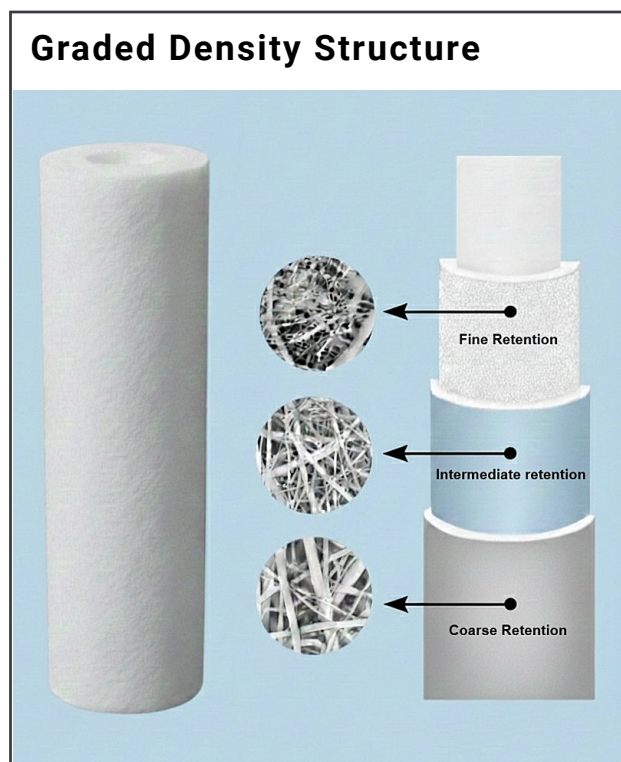
Operating Conditions

Recommended	Operating	Conditions
Changout dP	20 °C	1.5 - 2.0 bar
Maximum dP	20 °C	3.5 bar
	60 °C	1.0 bar
	80 °C	0.5 bar
Max Operating Temp	80 °C	

Dimensional Specifications

Available Lengths* & Standard Diameters			
Length (inch)	Length (mm)	Inner Ø (mm)	Outer Ø (mm)
5"	125mm	28mm	63mm
10"	250mm	28mm	63mm
20"	508mm	28mm	63mm
30"	762mm	28mm	63mm
40"	1016mm	28mm	63mm
LD		28mm	114mm

* Special lengths available on request



Typical Applications

- Process water and recycled water streams
- Chemical process fluids
- Prefiltration of deionized (DI) and reverse osmosis (RO) water
- Industrial water treatment systems
- Electroplating process solutions
- General industrial prefiltration
- Etching and photoresist developing solutions
- Food & Beverage process prefiltration

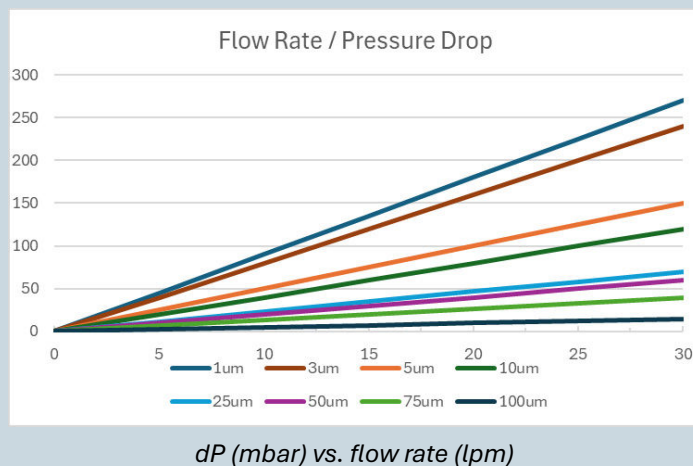
Regulatory Compliance

The filter element is FDA compliant in accordance with CFR Title 21, Part 177, and meets the requirements of EC 1935:2004 and EU 10/2011, making it suitable for safe contact with food and beverage applications.

Chemical Compatibility

Due to its all-polypropylene construction, the filter offers broad chemical compatibility, making it suitable for a wide range of aqueous and chemical process fluids.

Flow Properties



Disclaimer

Information provided is based on standard product data and is subject to change.

Techno Filter B.V. is not liable for incorrect application or improper use of the product.

Ordering information

Code	Micron rating (μm)	Length (inch)	End Cap	Seal Material	Optional
MA	01 03 05 10 25 50 75 100	S05 S10 S20 S30 S40 S50	NN = DOE EG = 222 / Flat EH = 222 / Fin FG = 226 / Flat FH = 226 / Fin	N = Buna-N E = EPDM V = Viton S = Silicone T = Teflon	BB = Big Blue

Example article code: MA05S40FHE

Example article description: TechnoDepth A PP MeltBlown, 40"/1016mm,
5um absolute, 226/fin EPDM O-rings