

TechDepth AM Antimicrobial Depth Filter

Anti-Microbial Melt-Blown Nominal Depth

TechDepth AM antimicrobial spun depth filter cartridges are designed to inhibit the growth of trapped bacteria and microbes within the filter media, helping to reduce premature blockage caused by biofilm formation. Manufactured using polypropylene media incorporating antimicrobial silver-ion technology, the cartridges provide effective particulate reduction while minimising odours and biofouling-related staining associated with bacterial growth.



Key Features & Benefits

- Antimicrobial silver-ion technology
- Inhibits bacterial growth within the filter media
- Helps reduce biofilm formation
- Effective particulate reduction
- High dirt-holding capacity
- Suitable for borehole and well water
- Excellent pre-UV protection
- FDA-compliant polypropylene media
- Available in standard and Big Blue sizes

Utilising silver-ion antimicrobial technology designed to inhibit the growth of bacteria within the filter structure, TechnoDepth-AM helps reduce biofilm formation, minimise unpleasant odours, and improve in-service filter hygiene.

Antimicrobial properties are intended to inhibit bacterial growth within the filter media and do not replace disinfection or sterilisation processes.

Operating Conditions

Recommended	Operating	Conditions
Change-out dP	20 °C	1.5 - 2.0 bar
Maximum dP	20 °C	2.5 bar
Max Operating Temp	65 °C	

Typical Applications

- Borehole and well water
- Private water supplies
- Pre-UV filtration
- Protection of pumps and valves
- Incoming water filtration
- General particulate reduction
- Process water systems
- Rural and off-grid water systems

Regulatory Compliance

The filter element is FDA compliant in accordance with CFR Title 21, Part 177.

Chemical Compatibility

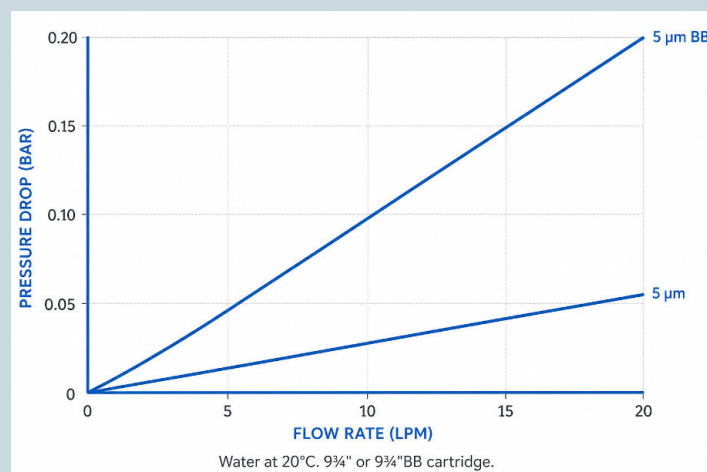
Due to its all-polypropylene construction, the filter offers broad chemical compatibility, making it suitable for a wide range of aqueous and chemical process fluids.

Dimensional Specifications

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

* Special lengths available on request

Flow Properties



dP (bar) vs. flow (lpm)

Ordering information

Code	Micron rating (µm)	Length (inch)	End cap	Seal Material	Optional
MAM	05 - 5 µm	S10 S20 S30 S40	NN - DOE EG - 222 / Flat EH - 222 / Fin FG - 226 / Flat FH - 226 / Fin ZH - 224 / Fin ZG - 224 / Flat	N - Buna-N E - EPDM V - Viton S - Silicone T - PTFE	BB - Big Blue

Example article code: MAM05S10NN

Example article description: TechDepth AM, 10" (250mm), 5µm nominal, DOE

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.