

HOLLOW FIBER CAPSULE FILTERS



SURVIVAL FIELDS, EMERGENCY



OUTDOOR



HOTEL & HOSPITALITY (HO.RE.CA.)



M27_437 Rev. 01 CDP021023A - Technical features are subject to change without prior notice at the discretion of Medica Spa. This document does not have contractual value.

INTENDED USE

The hollow fiber capsule filter is a semi-finished product particularly suitable for ensuring the microbiological protection of water, in addition to other filtering systems.

The most common use is inside Carbon Block filters, as indeed in portable filtration systems to be used in emergency situations, for hiking in general to ensure a safe water supply where access to sanitation facilities, with the highest retention performance on the market.

Thanks to filtration technology developed in the medical field, the ultrafiltration membrane (MediSulfone®) with 0.005 µm cut-off guarantees the highest removal performance for particles over 15 kDa, with a very high level of microbiological protection (11 LRV) bacteria, (8 LRV) viruses, (5 LRV) endotoxins, making the filter suitable for use with saltwater, rainwater, surface runoff water, well water etc.

STRENGTHS

- Complete protection based on the size of the pores and the adsorption capacity of the membranes themselves
- Particularly suited for tap water for drinking, cooking and personal hygiene
- High level of microbiological protection (11 LRV) bacteria, (8 LRV) viruses, (5 LRV) endotoxins
- Easy to be installed
- Mechanically resistant and not bulky
- Absence of electricity consumption, water waste, contributing to the reduction of pollution caused by plastic bottles

Medica S.p.A.

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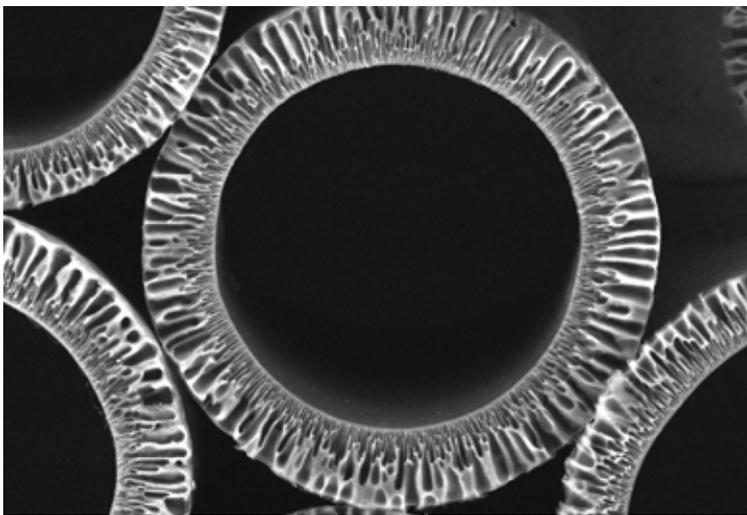


UNI EN ISO 9001:2015
UNI CEI EN ISO 13485:2021
MOCA Certification - Report Rev. 00- 21 / 12/2018

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MEDICA WATER DIVISION

Leader in the production of electromedical equipment and single-use medical devices, more than fifty registered patents, an innate vocation for research and development, the solidity of a group of 600 employees forged through nearly 40 years in a market, **Medica S.p.A.** thanks to a continuous technological innovation it's the only Italian company with capillary membrane extrusion technology for purification of blood and water developed entirely within the organisation.



MEMBRANES

Medica S.p.A. manufactures and distributes two unique hollow-fibre membranes for water purification:



MediSulfone® - polysulfone (PS) **ultrafiltration membrane**, used for almost 20 years in the field of dialysis in order to obtain ultra-pure dialysate, and in various other applications for the retention of bacteria, viruses and endotoxins, particulates/microplastics, and more generally all substances with a molecular weight greater than 15 kDa and dimensions greater than 0.005 µm



Versatile-PES® - polyethersulfone (PES) **microfiltration membrane**, used in various applications for the retention of bacteria, yeasts, mould and algae, particulates/microplastics, and more generally all substances with a molecular weight greater than 1000 kDa and dimensions greater than 0.15 µm.

Medisulfone® and Versatile-PES® are registered trademarks of **Medica S.p.a.**

TECHNICAL FEATURES

	38x200	38x100	25x200	38x200	38x100	25x200	25x140	
Use	Single use							
Potting	PoliurePolyurethane							
Filter body	ABS (Acrylonitrile Butodiene Styrene) ⁽¹⁾							
Filtration's grade	Ultrafiltration			Microfiltration				
Membrane's type	Polysulfone Medisulfone®			Polyethersulfone Versatile-PES®				
Membrane porosity	0,005 micron			0,15 micron				
Cut-off	15 kDa			1000 kDa				
Filtration's stage	Single							
Bacterial retention	>10 ¹¹ Pseudomonas Aeruginosa, Brevundimonas Diminuta (11 LRV)							
Viral retention	>10 ⁸ PhiX-174 (8 LRV)			N/A				
Endotoxins retention	>10 ⁵ EU/ml (5 LRV)			N/A				
Minimum Flow Rate (lt/min at 2 Bar)	14	7	4	23	12	6,5	5	
Maximum Inlet Pressure	5 Bar							
Maximum Inlet Temperature	60 °C							
Overall dimensions (mm)	200(L)x38(Ø)	100(L)x38(Ø)	200(L)x25(Ø)	200(L)x38(Ø)	100(L)x38(Ø)	200(L)x25(Ø)	140(L)x25(Ø)	
Product Code	M03431	M03400	M03373M	M90419	M90418	M90025	M90026	
Q.ty box MOQ ⁽²⁾	100	200	160	100	200	130	180	

(1) Soon also available made in PP version (Polypropylene)
(2) MOQ = Minimum Order Quantity

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