

HOLLOW FIBER IN-LINE FILTERS

SINGLE OR DOUBLE FILTRATION'S STAGE



RESIDENTIAL SECTOR - HOME DRINKING



HOTEL & HOSPITALITY
(HO.RE.CA.)



INDUSTRIAL
FILTRATION



PHARMA & LAB.



M27_439 Rev. 01 CDPO21023A - 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 range of Mediature in-line filters offers maximum microbiological protection of water thanks to the performance of the hollow fiber membranes used, a complete protection based on the size of the pores and the adsorbent capacity of the membranes themselves. **Versatile-PES®** and **Medisulfone®** membranes, have the highest levels of **bacterial retention** (up to 11 LRV) compared to similar products available on the market, the Medisulfone designed for ultrafiltration of water for dialysis, also has high viral retention (8 LRV) and **endotoxin retention** (5 LRV). Characterized by a small design, given the simplicity of installation and the total absence of maintenance, Mediature In-Line filters are ideal for installation under sink for the purification of water for human consumption (drinking and cooking) ideal for industrial and laboratory applications.

The range of Mediature in-line filters is available with various types of cylindrical threaded connections (BSPP) 1/2" or 3/8", John Guest quick connection for tube 1/4" (OD 6,35 mm), they can be supplied sterile, particularly suitable for the purification of tap water, process, rainwater, well, surface and brackish.

STRENGTHS

- Complete protection based on the size of the pores and the adsorption capacity of the membranes themselves
- Maximum safety in case of double stage filtration use (Patent NO. US 7775375, CN 101374774, WO / 2007/055842)
- Particularly suited for tap water for drinking, cooking and personal hygiene, industrial and laboratory processes
- High level of microbiological protection (11 LRV) bacteria, (8 LRV) viruses, (5 LRV) endotoxins
- Easy to be installed and without any maintenance required
- 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.

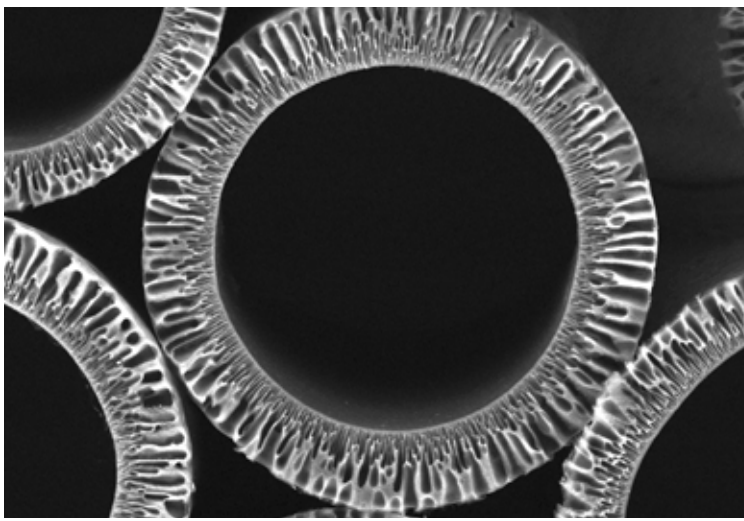
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UNI EN ISO 9001:2015
UNI CEI EN ISO 13485:2021
MOCA Certification - Report Rev. 00- 21 / 12/2018

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

	MEDIAPURE DSU	MEDIAPURE SSU28	MEDIAPURE SSU14	MEDIAPURE SSU10	MEDIAPURE SSM18	MEDIAPURE SSM08	MEDIAPURE SSM05
Use	Single use						
Potting	Polyurethane						
Filter body	ABS (Acrylonitrile Butadiene 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	Double	Single					
Bacterial retention	>10 ¹¹ Brevundimonas Diminuta, Pseudomonas Aeruginosa (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 a 3 Bar)	9	19	9	5	30	15	8
Expected lifespan ⁽²⁾	1 year						
Maximum Inlet Pressure	3 Bar						
Maximum Inlet Temperature	60 °C						
Connections	BSPP ½" male	BSPP ½" male	BSPP ½" male	BSPP 3/8" male	BSPP ½" male	BSPP ½" male	JG pipe ¼"
Overall dimensions (mm)	366 (L) x 80 (Ø)	366 (L) x 80 (Ø)	177 (L) x 80 (Ø)	155 (L) x 50 (Ø)	366 (L) x 80 (Ø)	177 (L) x 80 (Ø)	160 (L) x 50 (Ø)
Product Code	M03500	M03501	M90016	M03835	M90373	M90372	M90371
Q.ty box MOQ ⁽³⁾	6	6	12	30	6	12	10

(1) Soon also available made in PP version (Polypropylene)

(2) the expected filter's lifespan, it's strongly influenced by the quality of the treated water (fixed residue), by the presence of one coarse filtration upstream

(3) MOQ = Minimum Order Quantity

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