MEMBRANE EXPERTISE™
MEDICA

HOLLOW FIBER POINT OF USE FILTERS
FOR LEGIONELLA TREATMENT

RESIDENTIAL SECTOR

HOTEL INDUSTRY, CAMPING

SWIMMING POOLS

WELLNESS CENTRE

HOSPITAL SECTOR

INTENDED USE

The filters at the Point of Use Mediapure have ideal characteristics for meeting water filtration requirements in community environments and health care facilities, where, the complexity of the plants and the articulated geometry of water supply networks, predispose to the risk of contamination by Legionella, Pseudomonas, fungi and other pathogens, but which also require high water flow-rates at the point of use for lengthy periods of use.
The technical superiority of Mediapure filters derives by the hollow fiber membranes used. The membrane **Versatile-PES®** has a microporous structure of 0.15 µm for effective protection from **bacterial contamination**, a high water permeability ensuring at least **92 days of use**, while the membrane **Medisulfone®** has a microporous structure of 0.005 µm for effective protection from **bacteria, viruses and endotoxins**, less water permeability ensuring at least **35 days of use**. **Medica S.p.A.** has developed a range of products for filtration at the point of use which incorporates sink/basin filter with aerator suitable for bidets and bathtubs (MEDiaPure SSU / SSU3 TP SINK), sink/basin filter with rain diffuser for assisted showers, pre-operative rooms, wall-mounted showers (MEDiaPure SSU / SSU3TP RAIN), shower head filter (MEDiaPure SSU SH / SSU3SH) and finally an inline filter to complete the range (MEDiaPure SSU3 IL) can also be used for birthing pool. All Mediapure filters are supplied in dedicated sterile packaging.

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
- Superiority of hollow fiber membranes compared to common flat sheet membranes used in point-of-use filters:
  - higher level of microbiological protection (11 LRV) bacteria
  - higher lifespan (3 months)
  - higher water flows
- Easy to be installed and without any maintenance required
- Mechanically resistant and not bulky

Medica S.p.A.

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

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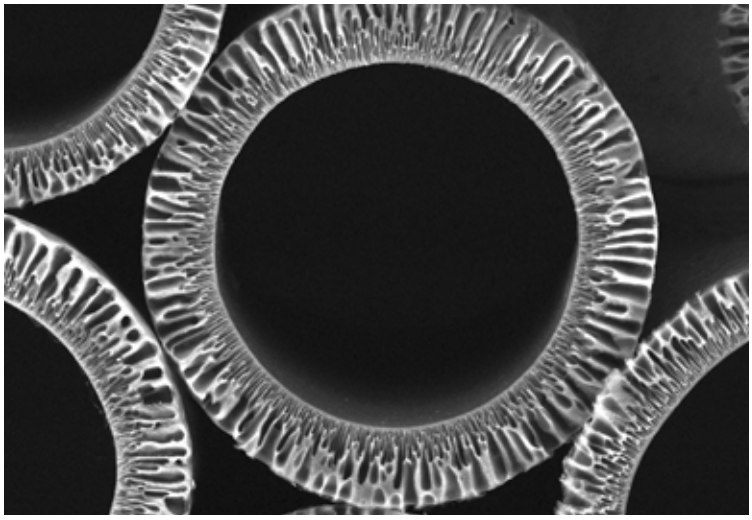
MEDICA WATER DIVISION

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

	MEDIAPURE SSU TP SINK	MEDIAPURE SSU TP RAIN	MEDIAPURE SSU SH	MEDIAPURE SSU SH	MEDIAPURE SSU3 IN-LINE	MEDIAPURE SSU3 TP SINK	MEDIAPURE SSU3 TP RAIN	MEDIAPURE SSU3 SH	MEDIAPURE SSU3 SH
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	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	10 lt/min				15 lt/min				
Expected lifespan (2)	35 days				92 days				
Maximum Inlet Pressure	5 Bar								
Maximum Inlet Temperature	60 °C								
Maximum Disinfection Temperature	75 °C / 30 min								
Certification	Coronaty Consulting – University of Modena and Reggio Emilia (Italy)								
Sterilization	Ethylene Oxide (EO)								
Connections	CPC – Colder	CPC – Colder	CPC – Colder	BSPP ½" male	CPC – Colder	CPC – Colder	CPC – Colder	CPC – Colder	BSPP ½" male
Product Code	M03685A	M03686A	M03688CA	M03688A	M90382A	M90219A	M90220A	M90221A	M90248A
Q.ty box MOQ (3)	15	15	6	6	10	15	15	6	6

(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

	CPC – Colder CONNECTOR	CPC – Colder CONNECTOR	CPC – Colder CONNECTOR	CPC – Colder CONNECTOR
Connection	M24x1 male	M28x1 male	F22x1 female	BSPP ½" male
Valve	Acqua-stop			
Product Code	M03708	M03709	M03711	M03715
Q.ty box MOQ	1	1	1	1

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