

HOLLOW FIBER CARTRIDGE FILTERS



RESIDENTIAL SECTOR
HOME DRINKING



RESIDENTIAL SECTOR
POINT OF ENTRY



HOTEL & HOSPITALITY
(HO.RE.CA.)



PHARMA
& LAB



INDUSTRIAL
FILTRATION

INTENDED USE

To protect the entire house it is advisable to install MediaPure UF filters directly on the aqueduct line at the point-of-entry of the house itself, with a coarse filter upstream. Thanks to a filtration technology developed in the medical field, MediaPure UF filters with membrane for ultrafiltration (**Medisulfone®**), guarantee the highest performance in terms of retention of **bacteria, viruses and endotoxins**, providing purified water to each point-of-use in the house. Filtration systems are easy to install and replace, they allow to solve the problems of transport, storage and disposal of bottled water. Also suitable for well water filtration, thanks to the 5 nanometers of pore size the membranes guarantee excellent performance also for the retention of microparticles (including microplastics). The type of filter Mediapure UF in its two main versions 10" and 20", is suitable for housings with connection filter type 222 O-Ring. The filters are supplied sterile, in flat base version (FLAT), with spacer fins (FIN), with connection to washing device (FLUSH).

STRENGTHS

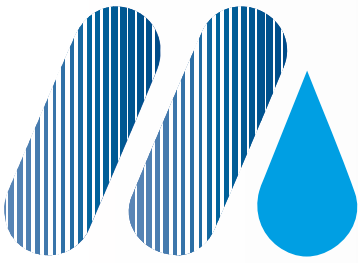
- Complete protection based on the size of the pores and the adsorption capacity of the membranes themselves
- Particularly suited for tap water for drinking, cooking and personal hygiene, industrial and laboratory processes
- High level of microbiological protection (11 LRV) bacteria, (8 LRV) viruses, (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

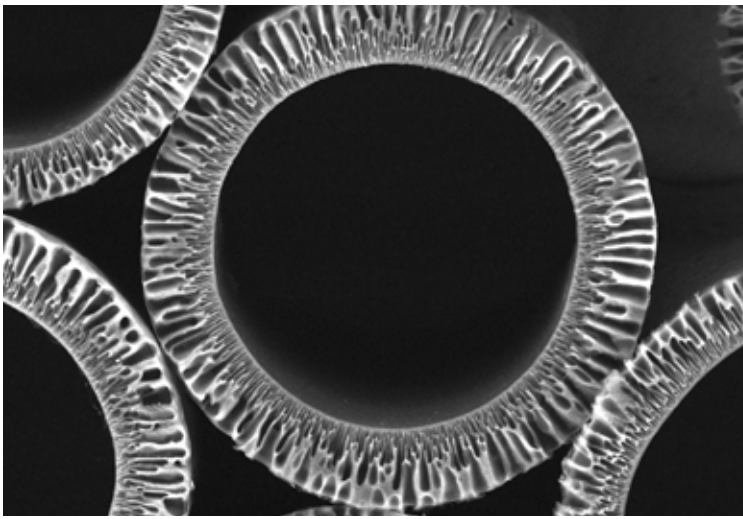


MEMBRANE EXPERTISE™
MEDICA

HOLLOW FIBER CARTRIDGE FILTERS

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 UF 10" FIN | MEDIAPURE UF 10" FLAT | MEDIAPURE UF 10" FLUSH | MEDIAPURE UF 20" FLAT | MEDIAPURE UF 20" FLUSH | |
|------------------------------------|---|-----------------------|------------------------|-----------------------|------------------------|--------------|
| Use | Single use | | | | | FIN |
| Potting | Polyurethane | | | | | |
| Filter body | PP (Polipropilene) | | | | | |
| Filter Cap | PP (Polipropilene) | | | | | |
| O-Ring | Silicone | | | | | |
| Filtration's grade | Ultrafiltration | | | | | |
| Membrane's type | Polysulfone Medisulfone* | | | | | |
| Membrane porosity | 0,005 micron | | | | | |
| Cut-off | 15 kDa | | | | | |
| Filtration's stage | Single | | | | | |
| Bacterial retention | >10 ¹¹ Pseudomonas Aeruginosa, Brevundimonas Diminuta (11 LRV) | | | | | FLAT |
| Viral retention | >10 ⁸ PhiX-174 (8 LRV) | | | | | |
| Endotoxins retention | >10 ⁶ EU/ml (5 LRV) | | | | | |
| Minimum Flow Rate (lt/min a 3 Bar) | 32 | | | 48 | | FLUSH |
| Expected lifespan ⁽¹⁾ | Up to 1 year | | | | | |
| Maximum Inlet Pressure | 5 Bar | | | | | |
| Maximum Inlet Temperature | 60 °C | | | | | |
| Connections | 222 O-Ring | | | | | |
| Overall dimensions (mm) | 323 (L) x 72 (Ø) | 272 (L) x 72 (Ø) | 291 (L) x 72 (Ø) | 527 (L) x 72 (Ø) | 546 (L) x 72 (Ø) | |
| Certification | University of Modena and Reggio Emilia (Italy) | | | | | |
| Sterilization | Ethylene Oxide (EO) | | | | | |
| Product Code | M90374A | M90375A | M90376A | M90377A | M90378A | |
| Q.tà Confezione MOQ ⁽²⁾ | 30 | 30 | 30 | 15 | 15 | |

(1) 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

(2) MOQ = Minimum Order Quantity

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