



# UF 100

by *polymem*



## A safe and pure water at your tap

Module UF100 for water  
**bacteriological** securing and **purification**  
for each point of use.

HEALTH  
CARE



FOOD  
PROCESSING



DRINK



- ✓ High performance filtration 0.01µm
- ✓ Easy installation & maintenance
- ✓ Works without electricity
- ✓ International approval 



## Characteristics

- Type of membrane used: Polysulfone hollow fiber
- Type of filtration: Dead end Outside/In Ultrafiltration
- Membrane area: 14,500 cm<sup>2</sup> (maximum area)
- Pore size: 0.01µm
- Median rate flow: 3 L/mn with 3 bar - 20°C
- Operating pressure: 0 to 5 bar
- Operating temperature: 2 - 50°C
- % bacteria rejection: > 99.9999 %
- % virus rejection: > 99.99 %
- Lifetime membrane UF/MF100: 50,000 liters\* for 14,500 cm<sup>2</sup>



## Advantages

- Module UF100 clarifies and provides immediately a bacteriological protection.
- Stops bacteria and viruses and filters all solid particles till 0.01µm.
- Products thoroughly and continuously without storage tank.
- Preserves mineral salts.
- Saves water (no rejected stream).



## Versions

Options on request:

- MF100: pore size 0.10µm - 14,500 cm<sup>2</sup> - 22L/mn at 3bars
- Vessels: format 1812, In Line, Post Filter ...
- Membrane area: adaptable from 6,000 cm<sup>2</sup> (can produce 2.5 L/mn under 3 bar of safe and pure water). This area gives a lifetime more than 20,000 liters\* of water.
- Pore size: microfiltration (MF 0.10µm), ultrafiltration (UF 0.01µm).

## Applications

Membrane for bacteriological securing of water at point of use.



### Emergency

Production of drinking water for emergency and health assistance to populations



### Tap, Fontains

Under the counter water purification



### Health care

Health care, laboratories, sanitary...



### Misting

Safety misting water for fruits & vegetables, public places...

\* Lifetime depending on water quality given for i.e. EU average drinking water quality.

© bienvustudio - communication visuelle - 0.562.892.959 - Mars 2010