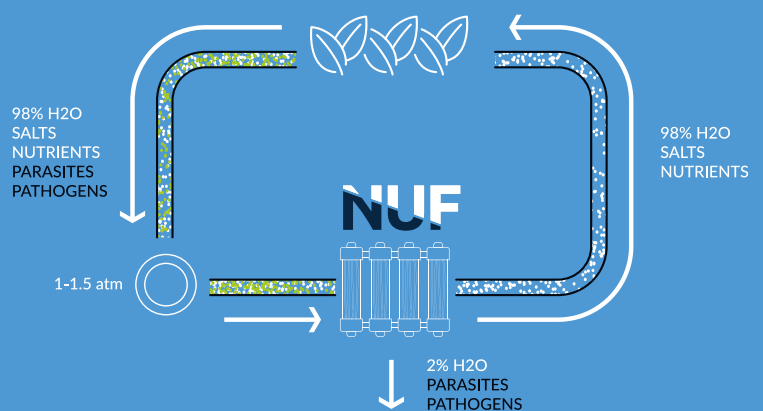


# NUF FILTRATION AGRICULTURE

**IRRIGATION WATER RECYCLING AND PURIFICATION  
SYSTEMS FOR GREENHOUSES, NURSERIES AND  
AGRO-INDUSTRIAL APPLICATIONS**

**FILTRATION AND SANITIZATION IN ONE SINGLE PASS, WITH NO  
CHEMICALS OR ADDITIVES, BY THE INNOVATIVE ULTRAFILTRATION  
NUF® TECHNOLOGY**

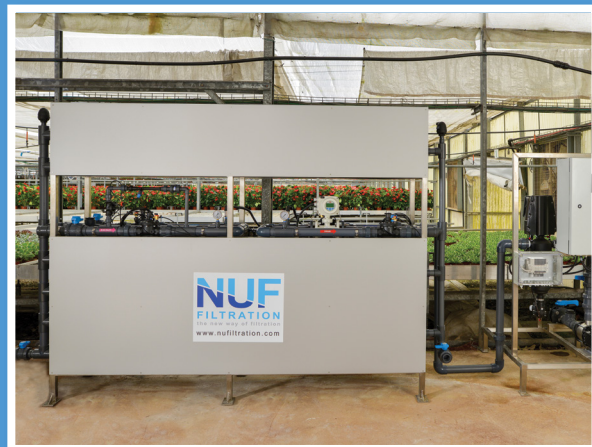
The NUF® systems remove all pathogens, parasites and fungi from the irrigation water in one single pass, thanks to the  $0.03\ \mu$  absolute filtration rate of the NUF® membranes – while micronutrients and fertilizers concentration remain unaltered and available to the plants. Water flows to the system at low pressure while the purification process takes place by simple mechanical size exclusion on the membranes – without use of chemical, thermal or biological treatment. 98% of the irrigation water and fertilizers are recycled, while the pollutants are expelled during periodical backwashes



- Compact and fully automated water recycling systems, in a "plug-and-play" mode, from 2 to 100 m3/hr capacity
- Affordable installation cost
- Risible operational cost
- Tremendous savings in water and fertilizers cost
- Improves drastically the quality of the irrigation water

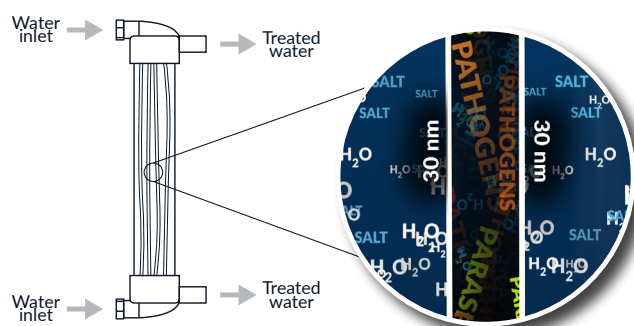
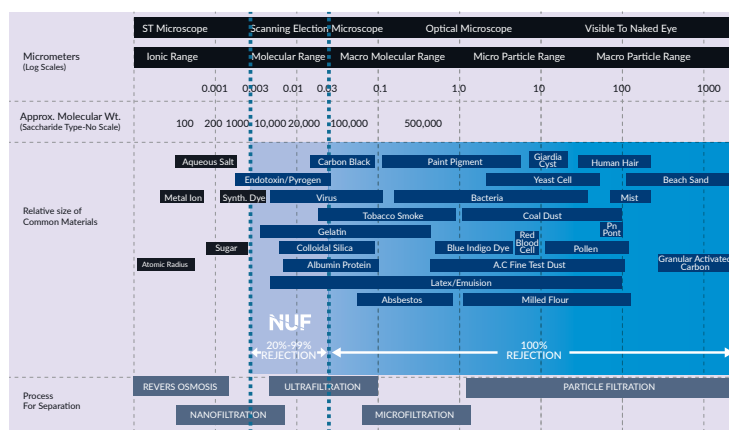
## Applications:

- Irrigation water recycling in greenhouses and nurseries
- Pathogens and fungi breakdown from feed water to crops
- Water recycling in fish farms
- Firewall barrier to parasites and pathogens on feed water



## The NUF® Technology

- Worldwide granted patent, which teaches reuse of duly sterilized medical "hemo-dialyzers" - NUF® membranes - in the field of water and waste water treatment
- The NUF® membrane provides the highest level of UltraFiltration – 0.03μ absolute filtration rate and 0.003μ nominal filtration rate
- Robust and easy to clean
- 200 μ incorporated pre-filter
- Approved by the Israeli Ministry of Health for Class A level effluents production
- At last makes UltraFiltration an affordable technology in agro and agro-industrial applications
- Double-green technology - reuse of discarded elements, which otherwise would have been buried for hundreds of years until depletion, in the purification and recycling of water



**NUF Technology, also  
available for other solutions:**



EFFLUENT  
WATER



AGRICULTURE  
IRRIGATION



DRINKING  
WATER



POOLS  
WATER



INDUSTRY  
USES