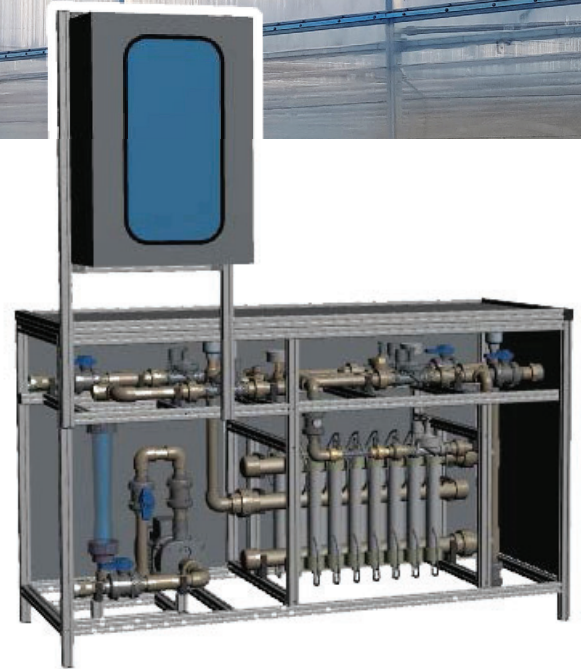


# NUF RUNOFF RECYCLING SYSTEM

## NUTRIENT DISINFECTION AND RECYCLING

The NUF® system removes pathogens, parasites and fungi from the irrigation water in one single pass\*, thanks to the 0.03 μ absolute ultra filtration rate of the NUF® membranes - while micronutrients and fertilizer concentration remains 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.



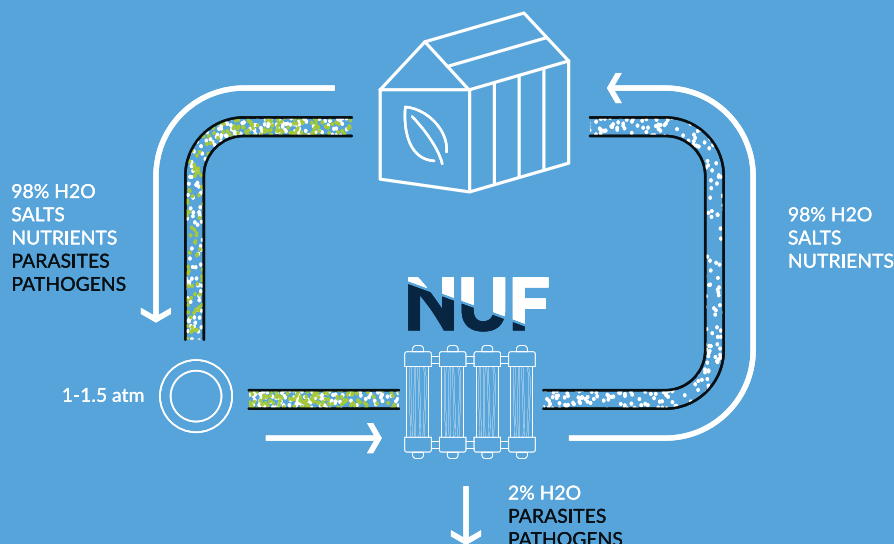
## SPECIFICATIONS

- ABSOLUTE filtration rate of 30 nm => 0.03 MICRONS\*
- Smooth membrane surface => low fouling and extremely easy to clean
- Easy scalability and modularity

## APPLICATIONS

- Irrigation water and fertilizer runoff recycling in Greenhouses and Nurseries
- Disinfection of irrigation water - breaks down pathogens, parasites and fungi\*

## SANITATION AND REUSE IN ONE SINGLE PASS\*

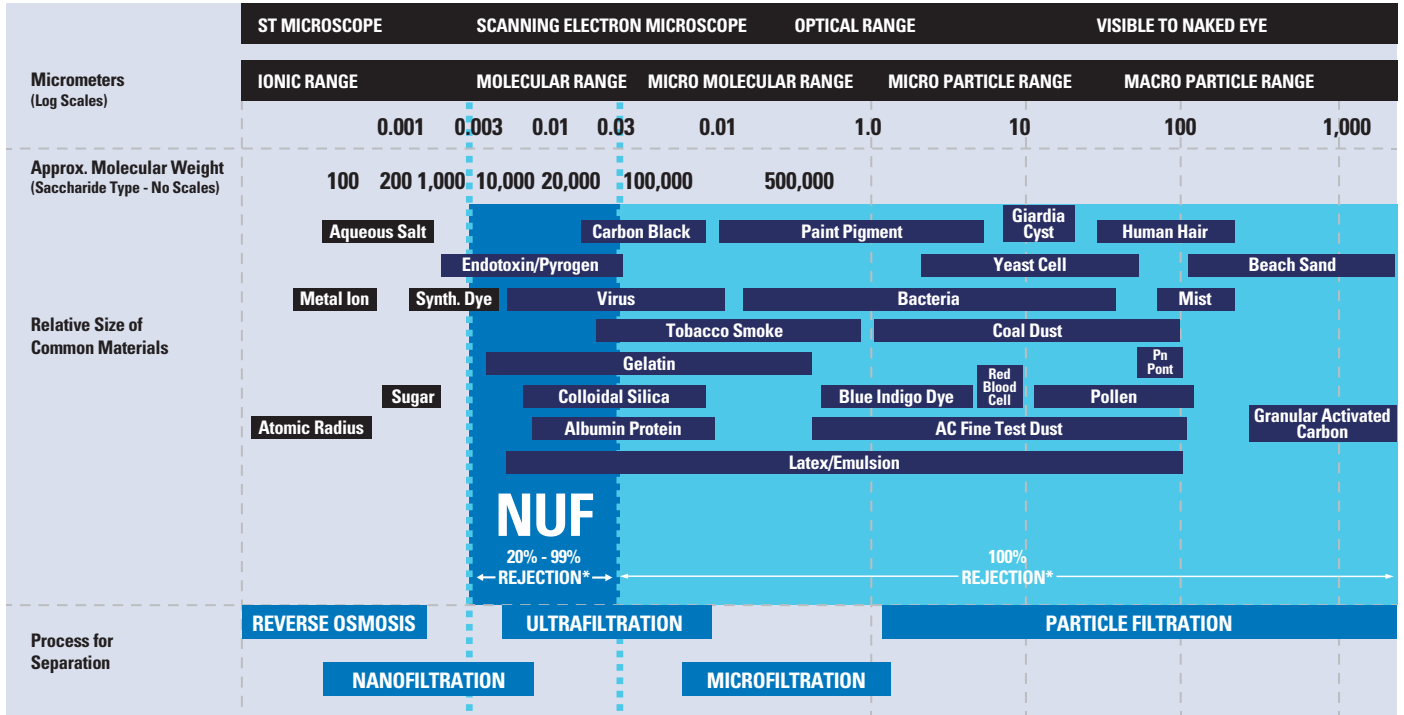


## PRODUCT ADVANTAGES

- Re-use 98% of nutrient water
- Absolute pathogen barrier\* - Pathogen barrier efficiency based on the amount of pathogen in the inlet water
- Keep fertilizers and micro elements intact
- No chemical, thermal or biological treatments used
- Minimal, almost no-cost energy requirements
- Compact and fully automated water recycling system
- Huge saving in water and fertilizer cost

\* Efficacy rates based on initial content; contact Netafim USA for more information. Some primary and secondary treatment might be required.

# FILTRATION SPECTRUM



## NUF® COMPARED TO OTHER WATER TREATMENT METHODS

### COMMON WATER TREATMENTS



**ULTRA VIOLET** - Statistical pathogen removal. Performance deteriorates with turbidity. Change Structure of water contents. Electric consumption.

**OZONE** - Decrease of pH to 4. Concentration of ozone. Algae formation. Not possible to process automatically.

**HEATING** - Decrease of pH to 4. High cost of energy and maintenance.

**BIO SAND FILTER** - Limited application (selective disinfection). Small volumes. Maintenance intensive (tanks).

**ELECTRO CHEMICAL ACTIVATION** - At increase of disease pressure - no automatic adjustment possible.

### NUF ULTRA FILTRATION

NUF provides **absolute** pathogen\* removal regardless of water turbidity. Pathogen barrier efficiency based on the amount of pathogen in the inlet water.

NUF **does not change** the water composition and does not harm the nutrients in the water.

NUF is **chemical free**. No need to heat. Very low energy required.

NUF is more **efficient and cost-effective** than any other solution.

NUF is **simple**, safe for usage and long lasting.

\* Efficacy rates based on initial content; contact Netafim USA for more information. Some primary and secondary treatment might be required.

### ORDERING INFORMATION

ITEM NUMBER	MODEL NUMBER	DESCRIPTION
70180-000100	31NUF8GPMUS	NUF 8 GPM US
70180-000101	31NUF20GPMUS	NUF 20 GPM US



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