

# OPAMEM™ NANO

Nanofiltration

The OPAMEM™ NANO membrane filtration system uses nanofiltration technology, which is designed to ensure a cut off of around one nanometer.

Flow rates  
20 up to 60 m<sup>3</sup>/h per unit

## Features & Benefits

- Certified ACS French Health Compliance
- Modular design; extensible, flexible (until 3 levels per skid), can be combined to treat larger volumes
- Stainless steel set
- Electric or pneumatic valves
- Can be combined with OPAFLO™ filter as a pretreatment

## Options available

- Fully automated operation and backwash
- Anti scaling device
- Re-equilibration device
- CO<sub>2</sub> stripping tower

## Applications

Specific treatment for drinking water by removal of:

- Total Dissolved Organic Carbon (COT/COD)
- Pesticides
- Bacteria
- Viruses
- Nitrates, sulfates
- Hardness
- Partial TDS

## Related Services

- Support for setting up and commissioning
- Local after-sales service for preventative and corrective maintenance program
- Tailor-made design according to project

## Hydrex™ chemicals

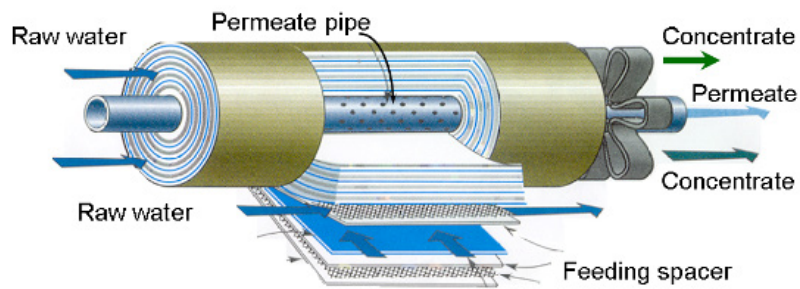
Associated conditioning Hydrex™ solutions for optimum operation



## System Dimensions & Performances

Model	Unit	OPAMEM Nano 24-3	OPAMEM Nano 42-3	OPAMEM Nano 66-3
Permeate flowrate (typical)	m <sup>3</sup> /h	20	40	60
Conversion rate (typical)	%	82%	82%	82%
Inlet flowrate (typical)	m <sup>3</sup> /h	24	49	73
Number of stages		3		
Element type		NF 90		
Element area	m <sup>2</sup>	37		
Number of element per vessel		6		
Number of pressure vessel per skid		4	7	11
Number of element per skid		24	42	66
Total membrane area	m <sup>2</sup>	888	1554	2442

Note: Designs given for information only using typical design fluxes. Detailed design of skid may change according to water quality and project specifications.



For higher flow rates or other processes, consult your local Veolia Water Technologies representative.

Visit our website: [www.veoliawatertechnologies.com/opamemn/en/](http://www.veoliawatertechnologies.com/opamemn/en/)