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 m³/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
- CO₂ 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

<table>
<thead>
<tr>
<th>Model</th>
<th>Unit</th>
<th>OPAMEM Nano 24-3</th>
<th>OPAMEM Nano 42-3</th>
<th>OPAMEM Nano 66-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permeate flowrate (typical)</td>
<td>m³/h</td>
<td>20</td>
<td>40</td>
<td>60</td>
</tr>
<tr>
<td>Conversion rate (typical)</td>
<td>%</td>
<td>82%</td>
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<td>82%</td>
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<tr>
<td>Inlet flowrate (typical)</td>
<td>m³/h</td>
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<td>49</td>
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<tr>
<td>Number of stages</td>
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<td>Element type</td>
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<td>Element area</td>
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<td>Number of element per vessel</td>
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<td>Number of pressure vessel per skid</td>
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<td>11</td>
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<tr>
<td>Number of element per skid</td>
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<tr>
<td>Total membrane area</td>
<td>m²</td>
<td>888</td>
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<td>2442</td>
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</tbody>
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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/