NEREO

Solving The Water Problem





In partnership with:





Introducing

N-Revolver

An Industrial & Municipal water treatment technology

Innovating from its Patented Membrane Technology,

Nereo applied its engineering concept to a revolutionary product:

an effective, easy to use and economical NanoFiltration System, that solves all shortcomings of traditional filtration and Reverse Osmosis systems.

Nereo N-Revolver Benefits

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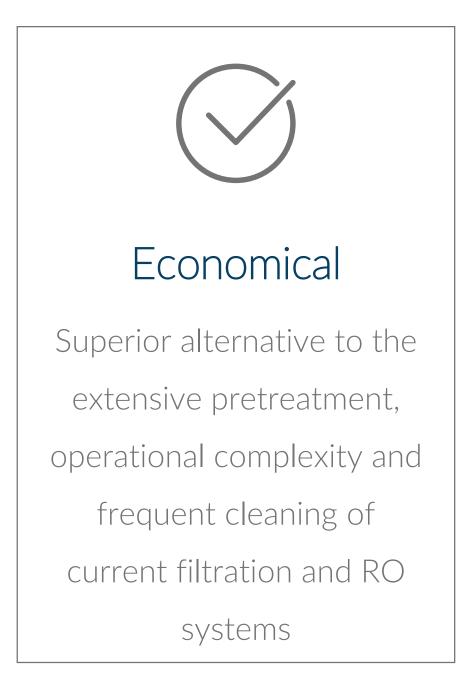
Effective

Exceptional quality produced water, one step removal of all contaminants



Easy

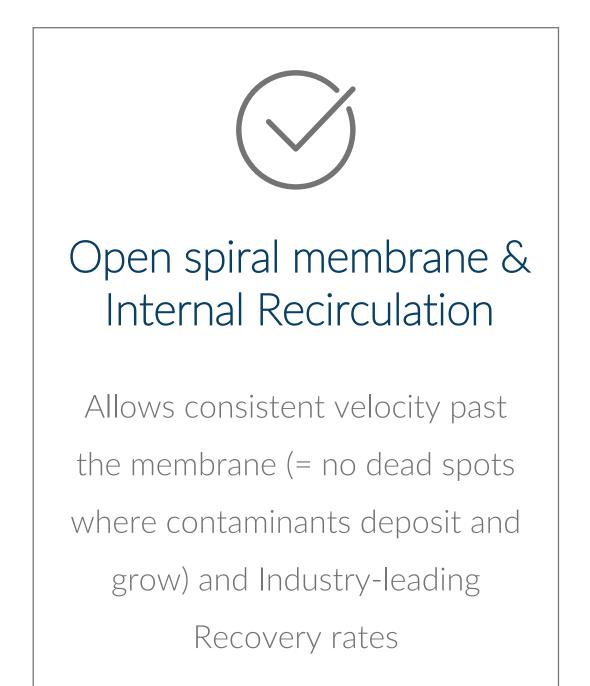
Little to no-pretreatment, minimal process chemicals and rare cleaning



Nereo N-Revolver Technology

N-Revolver **eliminates the heavy pretreatment** requirements by **avoiding the effects of fouling** that plagues traditional filtration and RO systems.

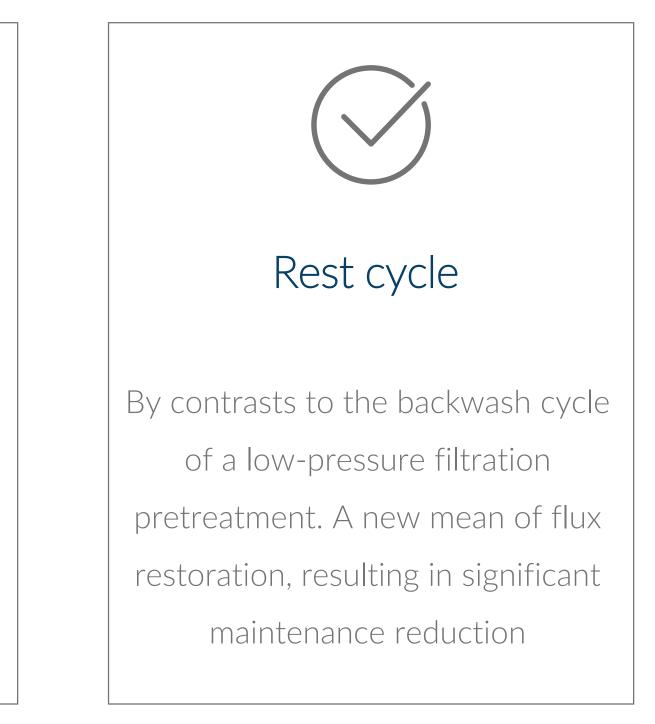
This is made possible by its **Patented unique "Low-Fouling" features and design**:





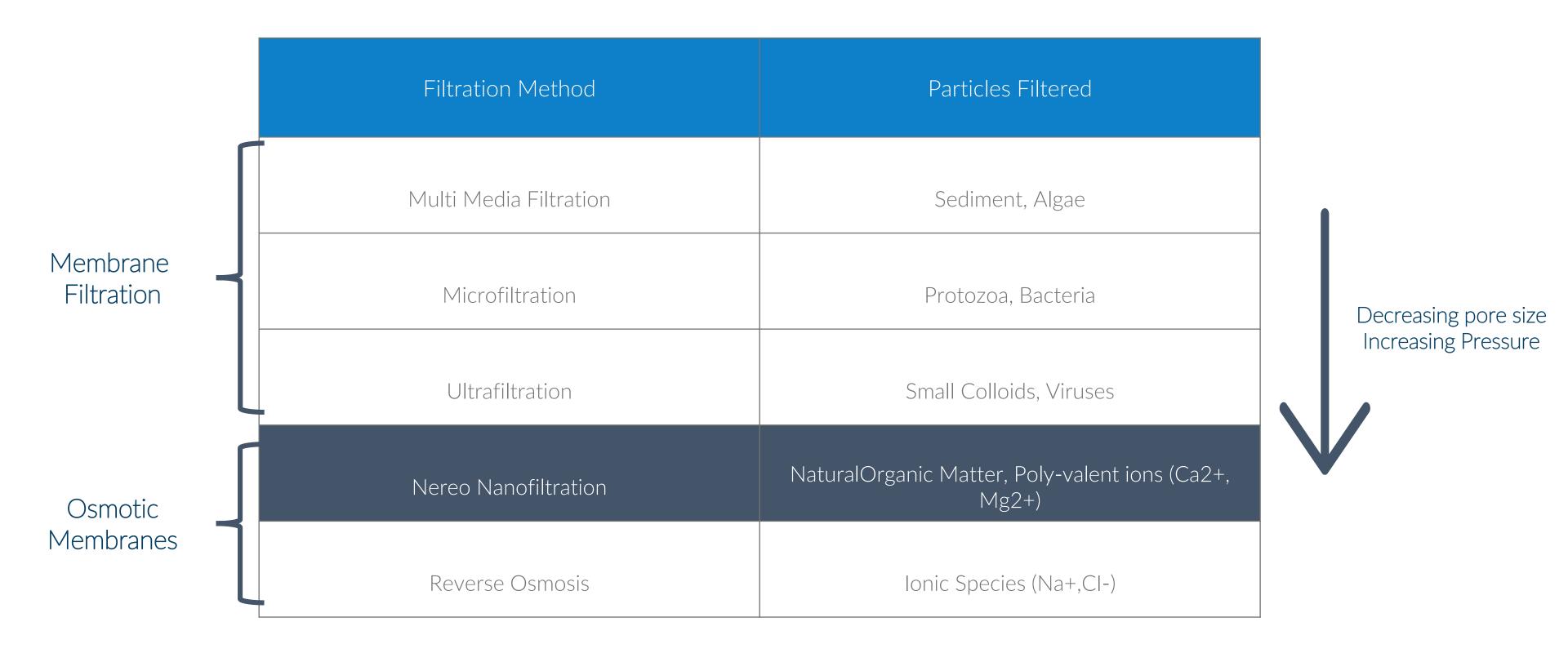
Direct particulate injection

DPI coating creates surface area above the membrane which keeps fouling away from the membrane, and on particles that are easily removable



Nereo N-Revolver New value

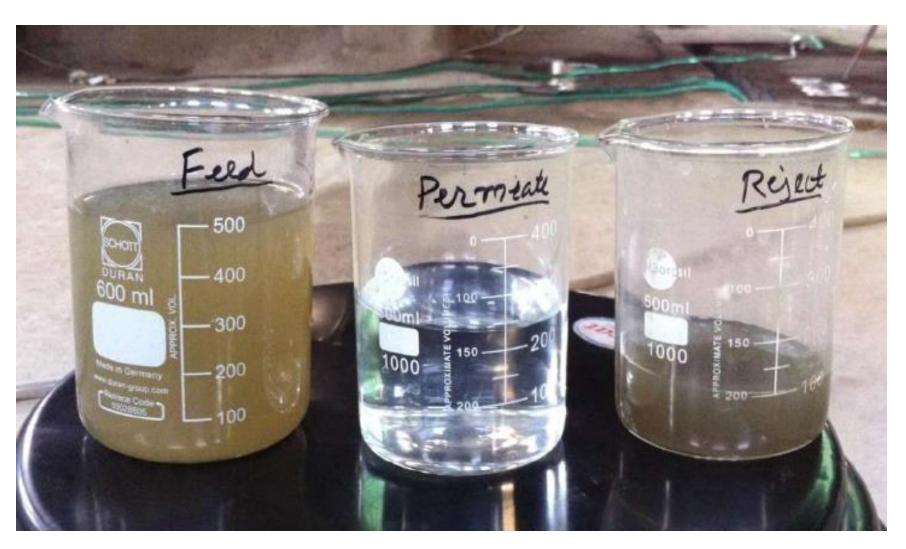
N-Revolver ultimately results in significantly **higher water quality** than traditional filtration ; at a much lower pressure (and thus, cost) than Reverse Osmosis:



Nereo N-Revolver Clearly different

The below photo represents actual **feed**, **permeate**, and **brine** from an Nereo N-Revolver standalone effluent treatment plant near Delhi, India.

To this client's knowledge, there is **no other osmotic membrane-based treatment system** that can directly and continuously **handle this level of solids and turbidity**.



"We spent nearly a year testing various systems that would allow us to directly feed our wastewater and treat for reuse. We were extremely pleased to have found N-Revolver. The system has performed flawlessly for 3 years. In that time, we have never replaced an element, cleaned the system twice, and have averaged recovery of 94%. To say I am pleased is an understatement."

- Vipin Kumar, Managing Director - Ecoware, Ltd.

On-site Video

Can we turn Bến Tre Mékong waters into potable water?

Click on the Picture or follow the Link : https://www.youtube.com/watch?v=Flqx0ikdl1A



Nereo N-Revolver Applications



Industrial Water Reuse

- Wastewater can be remediated for reuse in industrial applications, agriculture and aquifer recharge
- Nereo core technology helps
 industrial plants meet
 discharge and water reuse
 requirements with far less
 complexity than conventional
 methods
- Applications include: hydronic remediation, textile dye and pharmaceuticals removal, plastics applications,

pulp/paper waste treatment,...



Food Processing

- The open channel
 configuration combined with
 internal circulation provides
 an ideal platform for many
 food processing water
 treatment systems
- Applications include: dewatering, concentration and selective separation,...



Oil & Gas

- The particulate injection in N-Revolver keeps the residual oils in produced water, or refinery of wastewater, off the membrane surface, thus resulting in high cost savings for oil & gas operations
- Applications include: frack
 flow-back, produced water
 and offshore water
 remediation, 'designer' water
 production,...

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Drinking Water

- Most rivers, lakes and
 boreholes do not require
 desalting and NF membranes
 achieve the same microbial
 removal as Reverse Osmosis
 membranes, at far less
 pressure, energy and
 maintenance and without
 demineralizing the Water.
- Applications include: water bottling, village drinking water and municipal water treatment,...

"We believe that N-Revolver, as a Low Fouling, Low Energy, Low Waste water treatment system, can finally bring to the market the good technology it needs."

Antoine Héber-Suffrin, Nereo's CEO

CONTACT US



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