

# MEMPROTEC inc

*MEMBRANE PROTECTION – THE SECURE WATER SOLUTION*



## COMPACT REVERSE OSMOSIS AND NANOFILTRATION WATER TREATMENT UNITS FOR POTABLE WATER, PROCESS WATER, DESALINATION AND WATER BOTTLING PLANT APPLICATIONS

The key founders of MemProTec having more than 19 years of experience in membranes and having designed and manufactured hundreds of systems installed in Canada, USA, South-America, Senegal, South-East Asia and Egypt, are recognized as leaders in membrane filtration applications know-how.



Relying on this strong experience within the industry, MemProTec Inc. has a strong innovative capability that leads it to design high performance and reliable systems and to manufacture very compact and excellent quality RO and NF units at a very competitive market price.

The units are pre-assembled on a skid and include all the automated controls and instruments that are required for treatment capacities up to 10,000 m<sup>3</sup>/day.

The Sigma-BW/NF series, is designed for brackish underground waters or coloured surface waters using RO or NF membrane treatment capabilities, depending on the water source to be treated and the treated water to be produced.

The Betapro and Mempro series is designed for smaller applications covering the 5 to 100 m<sup>3</sup>/day needs.

The Gamma-SW series is designed specifically for desalinating seawater (TDS of 35,000 to 45,000 mg/l).

MemProTec is committed to support its client from design to fabrication, from installation to start-up. MemProTec's technical teams support the client with "hands on" operational assistance, technical information, thorough operator training sessions and after sales MEM+ services.



## Characteristics

- § Production capacities of 5 m<sup>3</sup>/day (1 usgpm) to 10 000 m<sup>3</sup>/day (1850 usgpm)
- § Pre-assembled skid mounted frame (modular)
- § Integrated Clean In Place system (CIP)
- § Control panel with PLC controls and visual operator interface
- § Constant permeate flow automated control
- § Programmable Brine Fast-Flush
- § Magnetic flowmeters
- § Conductivity meter
- § Automated membrane cleaning cycle alert
- § Made in Canada



## Options

- § In-line SDI analyzer
- § Data acquisition/transmission
- § Cleaning-cycle automation
- § Energy Recovery (ER)
- § Containerized mobile systems

## Examples of applications

- § Seawater and brackish waters
- § Potable water and bottling
- § High pressure boilers
- § Pharmaceutical industry
- § Food industry

**MEMPROTEC inc**

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