



# Reverse Osmosis



**CHEM-AQUA®**

## Standard Features

- Vertical and horizontal membrane configurations
- Compact space-saving designs
- Powder coated steel skid frame to prevent rust
- 5 micron pre-filter
- Standard units available with output capabilities from 1 – 100 gpm
- In-line and panel mounted instrumentation depending upon the model
- Pressure gauges, flow meter, and low pressure cut-off switches
- Automatic system flush on shutdown
- Stainless steel pumps
- Pre-programmed for site specific conditions
- Integrated clean-in-lace system on units greater than 10 gpm

## Advantages

- Sized to achieve less than 17 gfd flow rate to increase membrane life
- Manufactured in Chem-Aqua's equipment facility
- Standard or custom designs
- Commercial and industrial applications
- Professional service and installation
- In-house technical support
- Startup support



## Reverse Osmosis Types

### *CRO-2.5V Series Reverse Osmosis Systems*

Chem-Aqua® CRO-2.5V Series systems are designed with a compact, vertical membrane housing configuration for applications requiring purified water. Units in this series include: a high flow, low energy membranes in PVC housing, a integral 5 micron sediment pre-filter, an integral carbon filter, and panel mounted instrumentation. Standard units are available with output capabilities from 1 - 2 gpm (1,440 - 2,880 gpd).

### *CRO-4V Series Reverse Osmosis Systems*

Chem-Aqua CRO-4V Series systems are designed with a compact, vertical membrane housing configuration for applications requiring high purity water. Units in this series include: high rejection membranes in fiberglass reinforced plastic (FRP) pressure vessels, a integral 5 micron sediment pre-filter, a microprocessor controller with NEMA-4X enclosures, actuated automatic inlet feed valves, RO reject and recycle flow control valves, and panel mounted instrumentation. Standard units are available with output capabilities from 3 - 4 gpm (4,320 - 5,760 gpd).

### *CRO-4H Series Reverse Osmosis Systems*

Chem-Aqua CRO-4H Series systems are designed with a compact horizontal membrane housing configuration for applications requiring high purity water. Units in this series include: high rejection membranes in FRP pressure vessels, integral 5 micron sediment pre-filter, a microprocessor controller with NEMA-4X enclosures, in-line instrumentation, actuated automatic inlet feed valve, and RO reject and recycle flow control valves. Standard units are available with output capabilities from 4.0- 20 gpm (5,760 - 28,800 gpd). Optional membrane Clean-in-Place (CIP) isolation valve, quick-connect cleaning ports, and chemical tank may be purchased for 10 gpm units and larger in this series.

### *CRO-8H Series Reverse Osmosis Systems*

Chem-Aqua CRO-8H Series systems are designed with a horizontal membrane housing configuration for industrial applications requiring high purity water. Units in this series include: high rejection RO membranes in FRP pressure vessels, Allen Bradley® PLC controller with NEMA-4X enclosures, actuated automatic RO system inlet feed valves, and RO reject and recycle flow control valves. Standard units are available with output capabilities from 25 - 100 gpm (36,000 - 144,000 gpd). Optional membrane CIP isolation valve, quick-connect cleaning ports, and chemical tank as well as pH and ORP monitoring instrumentation may be purchased for units in this series.