Operating Parameters
- Operating Pressure: 200-250 psig
- Nominal Recovery: 65–75%
- Nominal Salt Rejection: 98–99%
- Operating Temperature: 45–85° F
- Design Temperature: 50° F
- Minimum Inlet Pressure: 30 psig
- Inlet Water Quality: Chlorine-Free/Softened
- Control Circuit: 120 V AC, 1-phase, 60 Hz.

Materials of Construction
- Skid Frame: Epoxy-coated carbon steel
- Membrane Elements: Thin-film Composite (TFC)
- Membrane Housings: FRP
- Low pressure piping: Sch 80 PVC
- High pressure piping: 304SS

Pump and Motor
- Pump: 304SS vertical multi-stage centrifugal
- Motor: TEFC, 460 V AC, 3-phase, 60 Hz.

Standard Features
- 4” x 40” High rejection membrane elements
- 5-micron sediment pre-filter housing
- Automatic inlet shut-off valve
- Solid-state digital controller (NEMA-4X)
- Product water conductivity monitor
- Operating pressure gauges
- Product and concentrate flow meters
- Concentrate and recycle flow control valves
- Low inlet pressure switch with shutdown alarm

Optional Equipment Available
- Atmospheric storage tanks with level control and represurization pump
- Water softeners and carbon filter pretreatment
- Pressurized storage vessels
- Skid mounted packages with pre/post treatment equipment
- Membrane clean-in-place (CIP) systems
- Pretreatment chemical injection systems

Overview
The Marlo MRO Series Commercial and Industrial Reverse Osmosis Systems are engineered to economically produce high purity water by removal of dissolved minerals, bacteria, particles, and organic impurities. Each MRO machine is constructed using the highest quality components and materials for reliable operation and exceptional performance. Standard machines in the MRO-4 Series are available with product water capacities from 2.5–20 GPM (3,600–28,800 GPD). Contact Marlo for larger flow requirements with the MRO-8 Series equipment.

Marlo Reverse Osmosis Systems provide exceptional performance in a wide variety of applications, including:

- Boiler feed
- Spot-free rinse
- Icemaking
- Greenhouses
- Research and medical labs
- Process make-up water
- Humidification
- Ion exchange pre-treatment

Quality Products for Quality Water
### SPECIFICATIONS MRO-3600-4-V THROUGH MRO-16200-4-H SERIES

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Design (gpm)</th>
<th>Capacity (gpd)</th>
<th>Element Quantity</th>
<th>RO Feed (gpm)</th>
<th>RO Reject (gpm)</th>
<th>Nominal Pressures</th>
<th>Operating Pump</th>
<th>Approx. Ship Wt.</th>
<th>Length A</th>
<th>Width B</th>
<th>Height C</th>
</tr>
</thead>
</table>
| MRO-18K-4H | 10.0         | 14,400         | 8
            |              |                | 13.3-15.4       | 3.3-5.4      | 1/" Flange       | 1/" Flange       | 1/" Flange     | 234 psi  | 5.0    | 750 lb.  |
| MRO-22K-4H | 14.0         | 26,000         | 11
            |              |                | 18.2-24.2       | 4.7-6.4      | 1/" Flange       | 1/" Flange       | 1/" Flange     | 245 psi  | 10     | 1500 lb. |

### SPECIFICATIONS MRO-18K-4H THROUGH MRO-29K-4H SERIES

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Design (gpm)</th>
<th>Capacity (gpd)</th>
<th>Element Quantity</th>
<th>RO Feed (gpm)</th>
<th>RO Reject (gpm)</th>
<th>Nominal Pressures</th>
<th>Operating Pump</th>
<th>Approx. Ship Wt.</th>
<th>Length A</th>
<th>Width B</th>
<th>Height C</th>
</tr>
</thead>
</table>
| MRO-18K-4H | 12.5         | 18,000         | 12
            |              |                | 16.7-19.2       | 4.2-6.7      | 1/" Flange       | 1/" Flange       | 1/" Flange     | 260 psi  | 10     | 1350 lb. |
| MRO-22K-4H | 15.0         | 21,600         | 15
            |              |                | 20.0-23.0       | 5.0-8.0      | 1/" Flange       | 1/" Flange       | 1/" Flange     | 270 psi  | 7.5    | 1200 lb. |
| MRO-25K-4H | 17.5         | 25,200         | 18
            |              |                | 23.2-26.8       | 5.7-9.3      | 1/" Flange       | 1/" Flange       | 1/" Flange     | 280 psi  | 7.5    | 1200 lb. |
| MRO-29K-4H | 20.0         | 28,800         | 21
            |              |                | 26.7-30.0       | 6.7-10.8     | 1/" Flange       | 1/" Flange       | 1/" Flange     | 290 psi  | 10     | 1500 lb. |