MEE WATER GT-SERIES
Reverse Osmosis Systems
Combination 2-Pass RO-EDI Units 5-100 GPM

When Clean Matters
Water filtered through Reverse Osmosis (RO) is recommended for all MeeFog systems. Removing minerals and dissolved solids from supply water will achieve the highest purity of water and reduce routine maintenance.

CLEAN & SIMPLE
Benefits of Using MeeFog™ Water Treatment
Mee Industries provides the ultimate in project execution. From design to supply, installation and after sales service there is a single supplier—a single point of contact.

- Ultra-pure water with reduced chemical usage and reduced maintenance hazards
- All controls integrated for set-and-forget ease of use
- Optimized design ensures right sizing of tanks and treated water supply
- Factory tested in actual configuration to ensure full functionality and optimum performance
- Integrated RO/EDI skid designs
- PLC communicates with fog system to ensure adequate water supply at all times
- Advance alert on potential water shortages
- No chemical regeneration required

About Mee Industries Inc.
For over 45 years Mee Industries has led the world with innovative water fog technology. MeeFog systems are used to humidify and cool many industrial, commercial and agricultural processes and to create interesting and dynamic special effects. Today there are over ten thousand MeeFog systems in use around the world. The MeeFog team looks forward to helping you with your fogging project.

The Mee Advantage: Experience, Innovation, Performance
In 1969, Thomas Mee Jr. a former Cornell University research scientist, founded Mee Industries. The company originally manufactured high-tech electro-optical, meteorological instrumentation, but by the early 1980’s, high-pressure water fogging had become the main focus of the company. Today, Mee Industries provides innovative, highly effective, economical fog solutions for many industrial applications including gas turbine inlet-air fogging, commercial and industrial building humidification and cooling, data center humidification, outdoor air conditioning, greenhouse climate control, wine barrel storage humidification, as well as dynamic special effects for the entertainment industry and theme parks.

Industry Leaders – Focused on Fog Technology
Mee specializes in providing custom-engineered, turn-key high-pressure fog solutions. We are committed to researching, developing, marketing and supporting the most innovative and reliable fog systems available anywhere in the world.
## Standard Features
- Dual Pass RO System
- Integral skid mounted EDI polishing unit
- Allen Bradley Compact Logix PLC Controls
- 12" Touch Screen HMI Display with 4–20 mA transmitters
- UL Electrical Panel
- Variable Frequency Controlled High Pressure Pump / Motor
- Skid Mounted Chemical Dosing Units
- Clean In Place Units
- Tank Level Input for Auto/Start Stop
- Automatic High TDS By-pass to Reject Line
- Manual Motor Starters

## Additional Features/Accessories
- Pre-Treatment Media Filtration Systems
- Pre/Post Treatment Chemical Dosing Units
- Raw Water Booster Pump Units
- Demin Water Transfer Pumps & Storage Tanks
- Virtual Network Control Remote Monitoring System

## Performance Parameters
- < 0.5 us/cm Permeate Water Quality
- < 3000 us/cm Typical Feed Water TDS
- 15°C Design Temperature
- Operating Temperature of 4–35°C
- 350 PSI (24.1 Bar) Operating Pressure

## Material of Construction
- High Pressure Piping: 316 SS: Sch 10
- Low Pressure Piping: PVC Sch 80 (Opt. 316 SS)
- Structural Skid: Coated Carbon Steel
- RO Housing: FRP 450 PSI (31 Bar) rated
- EDI Module: FRP 100 PSI (6.9 Bar) rated
- Enclosures: NEMA 4
- Chemical Tanks: High Density PE

## RO Membrane Elements
- Manufacturer: Hydronautics, Dow or Toray
- Type: TFC Spiral Wound
- Typical Design Flux: 14 gfd
- Membrane Rejection 99.5 – 99.6%

## GT Series RO-EDI Combo Specification

<table>
<thead>
<tr>
<th>Permeate Capacity</th>
<th>Power Consumption</th>
<th>Dry Weight</th>
<th>Operating Weight</th>
<th>Dimensions (L x W x H)</th>
<th>Utility Connections (Flanged)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 GPM (1.13 m³/h)</td>
<td>13.6 KW*</td>
<td>2067 lbs</td>
<td>2913 lbs</td>
<td>139” x 57” x 76”</td>
<td>Inlet: 1” Permeate: ¾” Concentrate: ¾”</td>
</tr>
<tr>
<td>10 GPM (2.27 m³/h)</td>
<td>13.6 KW*</td>
<td>3,680 lbs</td>
<td>4,417 lbs</td>
<td>159” x 57” x 76”</td>
<td>Inlet: 1¼” Permeate: 1” Concentrate: 1”</td>
</tr>
<tr>
<td>15 GPM (3.4 m³/h)</td>
<td>19.6 KW*</td>
<td>4,145 lbs</td>
<td>5,238 lbs</td>
<td>159” x 72” x 83”</td>
<td>Inlet: 1½” Permeate: 1” Concentrate: 1½”</td>
</tr>
<tr>
<td>20 GPM (4.5 m³/h)</td>
<td>24.8 KW*</td>
<td>5,298 lbs</td>
<td>6,345 lbs</td>
<td>180” x 83” x 83”</td>
<td>Inlet: 1½” Permeate: 1¼” Concentrate: 1¼”</td>
</tr>
<tr>
<td>40 GPM (9 m³/h)</td>
<td>52 KW*</td>
<td>6,732 lbs</td>
<td>9,806 lbs</td>
<td>223” x 83” x 83”</td>
<td>Inlet: 2” Permeate: 1½” Concentrate: 1½”</td>
</tr>
<tr>
<td>60 GPM (13.6 m³/h)</td>
<td>59 KW*</td>
<td>7,921 lbs</td>
<td>10,574 lbs</td>
<td>263” x 83” x 83”</td>
<td>Inlet: 3” Permeate: 2” Concentrate: 2”</td>
</tr>
<tr>
<td>75 GPM (17 m³/h)</td>
<td>75 KW*</td>
<td>9,272 lbs</td>
<td>12,409 lbs</td>
<td>285” x 83” x 83”</td>
<td>Inlet: 4” Permeate: 3” Concentrate: 2”</td>
</tr>
<tr>
<td>100 GPM (22.7 m³/h)</td>
<td>98 KW*</td>
<td>10,877 lbs</td>
<td>15,210 lbs</td>
<td>285” x 83” x 83”</td>
<td>Inlet: 4” Permeate: 3” Concentrate: 3”</td>
</tr>
</tbody>
</table>

The above power consumption values are based on 440/60/3 ph power and include EDI module power requirements. Capacities are for combination RO/EDI skid units. Larger capacities ranging from 100 - 1000 gpm require multiple skids.