OVERVIEW:
- Leading manufacturer of vapor compression desalination plants
- Produces potable drinking water and high-quality distilled water
- Completely packaged units for minimum field installation
- Rugged oilfield skids with surface preparation and coatings suitable for marine environment
- Hazardous Area Classification options
- Superior energy efficiency
- Offers the largest vapor compression still available capacity of 20,000 GPH (76 m³/hr)
- All components manufactured by MECO
- Spare parts also available
- Supported by MECO 24-hour customer service
- Backed by warranty

PRODUCT HIGHLIGHTS:

**Standard Features**
- Vertical natural circulation evaporator
- Feedwater quality tolerance
- Scale effects reduced
- No pumps or spray nozzles
- Straight annealed tubes in evaporator
- Individual tubes can be replaced as opposed to replacing the entire tube bundle
- No residual stresses or surface finish problems commonly found with U-tubes
- Deaeration of feedwater
- Non-condensibles removed prior to distillation
- Corrosion reduction
- Corrosion resistant materials
  - 90/10 copper nickel
  - Titanium
  - Inconel
  - Monel

**Design Details**
- Galvanized rigid steel conduit
- Stainless steel airlines
- Integrated control and instrument panel
- TEFC motors
- Blowdown: Bronze pumps with Monel shafts
- Distillate: 316 SST pumps with 316 SST shafts

**MECO Vapor Compressor**
- Manufactured by MECO
- Immediate spare parts availability
- Exchange program
- Inconel impeller and Monel-process contact components
- New Lube Lock Sealing System
- Directly mounted with no vapor ductwork
- Space friendly
- Smaller footprint
- Easy access for maintenance

### Model CAPACITY in GPD [m³/day]

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEE300M3C</td>
<td>7,200 [27]</td>
</tr>
<tr>
<td>PEE400M3C</td>
<td>9,600 [36]</td>
</tr>
<tr>
<td>PEE600M3C</td>
<td>14,400 [55]</td>
</tr>
<tr>
<td>PEE800M3C</td>
<td>18,500 [70]</td>
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<tr>
<td>PEE1250M3C</td>
<td>30,000 [114]</td>
</tr>
<tr>
<td>PEE2100M3C</td>
<td>50,000 [189]</td>
</tr>
</tbody>
</table>

Notes: Capacities are based on seawater with a TDS of 35,000 ppm at 77°F (25°C). MECO M3C units typically operate based on a concentration ratio of 1.77.