envirosep IWH

INSTANTANEOUS WATER HEATER

STEAM-TO HOT WATER SHELL & TUBE

The envirosep IWH, Instantaneous Steam-To-Water Heater is a simple and accurate manufactured, ready-to-install system designed to address the requirements of commercial potable water heating systems. Designed to utilize steam as the heat source, the steam is supplied to the heater at a predetermined 2 to 60 psig (depending on required output). The envirosep IWH is constructed of stainless steel, copper, and bronze components suitable for domestic water use. Capable of handling a wide range of water flow rates and temperatures, while being custom-tailored to your specific site needs, makes this system an ideal choice for either new or replacement installations.

FEATURES & BENEFITS

• Our envirosep IWH systems are factory manufactured, tested and UL-listed ensuring quality and NEC code compliance
• Sole source manufacturing responsibility, just one manufacturer to coordinate
• The envirosep IWH system is cost effective, offering fixed costs and on-time delivery coordinated with site - factory controlled environment means no weather delays
• The envirosep IWH water heater system may be configured for steam-to-hot water using shell & tube heat exchangers to fit your application
• Each unit is custom-engineered to meet specific system requirements
• Factory operational and hydrostatic testing is performed prior to shipment, therefore minimal site testing is required
• Speeds up installation and start-up which provides significant savings to

INSTANTANEOUS WATER HEATER OPTIONS:

• PLC system controller
• NEMA 7/9 explosion-proof rating
• Inlet steam condensate removal
• Multi-staged centrifugal pumps

STANDARD DESIGN INCLUDES:

• ASME, shell & tube heat exchanger - stainless steel water side with U-stamp
• Self-contained, pilot-operated or pneumatic modulating steam control valves
• High temperature cut-off switch, for independent source steam isolation
• Secondary high temperature purge system, with blowdown controls
• Internal circulation pump
• UL-Listed, NEMA 12 industrial control panel
• Float & thermostatic steam trap
• Outlet temperature indication
• Safety relief valves
• Removable tube section

• System recirculation pumps
• Horizontal installations
• Steam-powered or electric condensate pumps
• Post-filtration
• Specific performance criteria (upon request)
TECHNICAL DATA

TYPICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam Pressure</td>
<td>5 to 150 psig</td>
</tr>
<tr>
<td>Hot Water Temperature</td>
<td>50 to 200°F</td>
</tr>
<tr>
<td>Standard System Flow Rate</td>
<td>5 to 300 gpm</td>
</tr>
<tr>
<td>Standard Power</td>
<td>110 V (other voltages available)</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>100 to 150 psig</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>&lt; 300°F</td>
</tr>
</tbody>
</table>

WE MAKE CERTAIN YOUR PROJECTS ARE DONE RIGHT.

Envirosep maintains certifications that keep us current with the latest industry standards and ensure first class quality. Our certifications include:

- UL Listed Packaged Pumping Systems
- UL Listed Controls
- European Conformity
- State of New York OTCR (NY)
- Unfired Pressure Vessels
- Pressure Piping
- Miniature Unfired Pressure Vessels
- National Board
- Repairs and/or Alterations
- Process Piping & Power Piping