envirosep IWH-WW

INSTANTANEOUS WATER HEATER

HOT WATER-TO-HOT WATER PLATE & FRAME or SHELL & TUBE

The envirosep IWH-WW, instantaneous water-To-water heater is a simple and accurate manufactured, ready-to-install system designed to address the requirements of commercial heating systems. These systems can be used in conjunction with any opportunities to recover wasted thermal energy. Designed to utilize water as the heat source, the system can be used with boilers, chillers, and many other situations. The standard envirosep IWH-WW 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

• The envirosep IWH-WW system is factory manufactured, tested and UL-listed ensuring quality and NEC code compliance
• Sole source manufacturing responsibility, just one manufacturer to coordinate
• The envirosep IWH-WW system is cost effective, offering fixed costs and on-time delivery coordinated with site - factory controlled environment means no weather delays
• The envirosep IWH-WW water heater system may be configured for hot water-to-hot water using plate & frame or 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 contractors, engineers and facility owner

INSTANTANEOUS WATER HEATER OPTIONS:

• PLC system controller
• Various NEMA ratings
• Inlet steam condensate removal
• System recirculation pumps
• Steam-powered or electric condensate pumps
• Filtration
• Specific performance criteria (upon request)

STANDARD DESIGN INCLUDES:

• ASME, shell & tube or plate & frame 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
TECHNICAL DATA

TYPICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steam Pressure</td>
<td>5 to 125 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 500 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>

Instantaneous Hot Water Heater Sizing
Water to Water

Options:
- PLC with Touch Screen
- Various NEMA Ratings
- Inlet Steam Condensate Removal
- System Recirculation Pumps
- Steam-powered or Electric Condensate Pumps
- Filtration
- Specific Performance Criteria (Upon Request)

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