envirosep IWH-C

INSTANTANEOUS WATER HEATER

UNFIRED STEAM-TO-HOT WATER CUSTOM-ENGINEERED

The envirosep IWH-C instantaneous water heaters may be custom-engineered to satisfy requirements unique to more sophisticated, industrial applications. Virtually any system configuration may be engineered by the Envirosep team, utilizing process parameters provided by the client or end-user. Once the process variables are analyzed, general layout drawings are prepared for approval. Electrical controls may be provided with PLC programmable controllers or simple, relay logic. Envirosep maintains flexibility to ensure all special needs are incorporated into the final system design.

FEATURES & BENEFITS

• The envirosep IWH-C 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-C system is cost effective, offering fixed costs and on-time delivery coordinated with site, factory controlled environment means no weather delays
• The envirosep IWH-C water heater system may be configured for unfired steam to-hot water using stainless steel shell & copper-nickel tubes 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:

- Instantaneous vertical heater, with ASME stainless steel shell & copper-nickel tubes 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
- Inlet steam condensate removal
- Float & thermostatic steam trap
- Outlet temperature indication
- Safety relief valves
- Removable tube section

STANDARD DESIGN INCLUDES:

- NEMA 7/9 explosion-proof rating
- Plate & frame heat exchangers
- stainless steel main headers
- System recirculation pumps
- multi-staged, variable speed pumps
- Auto system flow activation
- Steam-powered or electric condensate pumps
TECHNICAL DATA

TYPICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Range</th>
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</thead>
<tbody>
<tr>
<td>Steam Pressure</td>
<td>5 to 300 psig</td>
</tr>
<tr>
<td>Hot Water Temperature</td>
<td>50 to 250°F</td>
</tr>
<tr>
<td>Standard System Flow Rate</td>
<td>5 to 500 gpm</td>
</tr>
<tr>
<td>Standard Power</td>
<td>460/3/60 V</td>
</tr>
<tr>
<td>Working Pressure</td>
<td>100 to 300 psig</td>
</tr>
<tr>
<td>Working Temperature</td>
<td>&lt; 550°F</td>
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</tbody>
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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:

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