HIGH EFFICIENCY COMMERCIAL DHW PACKAGE SOLUTIONS

PREASSEMBLED COMPONENTS FOR EASY INSTALLATION

DESIGNED TO MAXIMIZE AVAILABLE SPACE

SINGLE SOURCE OF RESPONSIBILITY

DESIGNED AND ASSEMBLED IN-HOUSE BY INDUSTRY PROFESSIONALS
High Efficiency Commercial DHW Package Solutions

The ARMOR Commercial Condensing Water Heater features Stainless Steel heat exchanger technology to deliver up to 98% Thermal Efficiency.

To optimize system footprint, deliver the best system appearance, and reduce installation costs, Lochinvar has created standard water heater Package Solutions for your application. Each package is factory assembled and tested to deliver clean, efficiently heated, potable water. All packages include a welded channel iron skid for the water heaters and storage tank which provide easy and fast installation. Now more than ever, the ARMOR delivers a wide range of commercial sizes and features while offering “green” technology that building owners and facility managers desire.

STAINLESS STEEL CONDENSING HEAT EXCHANGER
The heart of the ARMOR is the advanced 316L Stainless Steel, condensing heat exchanger built to ASME Section IV requirements. Constructed with superior grade 316L Stainless Steel, the heat exchanger’s condensing design will heat water at up to 98% Thermal Efficiency.

JACKETED AND INSULATED STORAGE TANKS
Lochinvar’s glass lined, jacketed, and insulated storage tanks have been specifically engineered and constructed to provide a high volume supply of hot water at a constant outlet temperature. The unique Lock-Temp® baffle design is so effective that 80% of the storage volume can be utilized at the stored water temperature, regardless of the rate of outlet water flow. The durable glass lining is molecularly fused to the tank at 1600°F to assure long lasting protection against rust and corrosion while providing clean, clear water. Large diameter, high capacity anode rods inhibit interior tank corrosion to insure a long, trouble-free life.

ASME CONSTRUCTION
Constructed in accordance with the ASME Section IV standard. The vessels are constructed for 125 PSI and for 210°F maximum water temperature.

ENERGY SAVING PERFORMANCE
Jacketed and insulated to meet the efficiency requirements of the latest edition of the ASHRAE 90.1 Energy Efficiency Standard. The jacket is heavy gauge, galvanized metal, painted on both sides for an attractive appearance with maximum protection. The 2” of expanded foam insulation equals an R-value of R-13 and provides low standby energy loss for optimum performance and economy.
INTEGRATED SOLUTIONS TO SIMPLIFY YOUR GREATEST WATER HEATING CHALLENGES

- Pre-engineered, designed and fabricated to service a wide array of applications
- Welded steel base with forklift pockets for easy placement and transport
- Welded Sch.40 stainless steel system piping
- ANSI flanged cold water and hot water connections
- Expansion tank sized for common applications
- Manifolded condensate neutralization kits for convenient disposal
- All components isolated for easy service and maintenance
- Single point electrical w/ disconnects for hassle-free installation
- Armor units are factory programed for cascade operation
- Factory sized constant speed bronze pumps
- Factory pressure tested to ensure a trouble-free startup
**PACKAGE STANDARD FEATURES**
- Pre-Engineered, Designed and Fabricated Welded Steel Base with Forklift Pockets
- Welded Sch.40 Stainless Steel Piping
- ANSI Flanged Cold Water and Hot Water Connections
- Throttling Valves on Heater Inlet and Outlet
- Y-Strainers w/ Blow Down Valve (where applicable)
- Expansion Tank
- T&P Relief Valves Piped to 6” Above Skid
- Manifolded Condensate Neutralization Kits
- All Components Isolated for Easy Breakaway
- Manway on Front of Tank (where applicable)
- Tank Drain Valve
- Single Point Electrical w/ Disconnects
- Cascade Programming
- Constant Speed Bronze Pumps
- Factory Pressure Tested for Leaks
- ANSI Section IV Constructed Glass Lined Tank
- 125 psi Rated Storage Tank
- Magnesium Anode Rod Protected Storage Tank
- Storage Tank Insulated to meet ASHRE 90.1 Requirements
- 5 Year Limited Storage Tank Warranty

**SMART CONTROL FEATURES**
- Full-Color Touchscreen LCD Display (DHW2500-3000)
- Multi Color Graphic LCD Display (DHW570-1600)
- Building Automation Integration With 0-10 VDC Input
- Password Security
- Low Water Flow Safety Control & Indication
- Inlet & Outlet Temperature Readout
- Freeze Protection
- Service Reminder
- Time Clock
- Data Logging
- Hours Running
- Ignition Attempts
- Last 10 Lockouts
- Programmable System Efficiency Optimizers
- Night Setback
- High Voltage Terminal Strip
- 120V/1PH/60 Hz
- Water Heater Pump Control Contacts
- Building Recirculation Pump Control Contacts
- Low Voltage Terminal Strip
- 24 VAC Auxiliary Device Relay
- Auxiliary Proving Switch Contacts
- Alarm Contacts
- Runtime Contacts
- Tank Thermostat Contacts
- Tank Sensor Contacts
- Cascade Contacts
- Flow Switch Contacts

For technical information call 800-722-2101. Lochinvar LLC reserves the right to make product changes or improvements without prior notice.

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**DIMENSIONS AND SPECIFICATIONS**

<table>
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<tr>
<th>Model Number</th>
<th>Input Btu/hr</th>
<th>Storage Capacity (Gal)</th>
<th>Gas Conn. (x2)</th>
<th>Water Conn. Inlet</th>
<th>Water Conn. Outlet</th>
<th>Air Inlet (x2)</th>
<th>Vent Size (x2)</th>
<th>Ship Wt. (lbs.)</th>
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