



Lochinvar®
High Efficiency Water Heaters, Boilers and Pool Heaters

ARMOR
Condensing Water Heater
Submittal Sheet

AWN-Sub-05

ARMOR™ CONDENSING WATER HEATER

JOB NAME _____
LOCATION _____
ENGINEER _____
WHOLESALE _____
MECH. CONTRACTOR _____
MODEL NO. _____
TYPE GAS _____
Btu/hr INPUT _____
RECOVERY RATE IN GPH _____ **@** _____ **°F RISE**
NOTES

STANDARD FEATURES

- › Up to 97% Thermal Efficiency
- › Modulating Burner with 5:1 Turndown
 - › Direct-Spark Ignition
 - › Low NOx Operation
 - › Sealed Combustion
 - › Low Gas Pressure Operation
- › Vertical & Horizontal Direct-Vent
 - › PVC, CPVC, Polypropylene or SS Venting up to 100 Feet
 - › PVC/CPVC Sidewall Vent Termination
- › Stainless Steel Heat Exchanger
 - › All Welded Construction, Gasketless Design
 - › 160 psi Working Pressure
 - › ASME Construction (AW 286-801)
- › Natural to L.P. Conversion Kit
- › All Bronze Circulating Pump
- › On/Off Switch
- › Flow Switch
- › ASME Temperature & Pressure Relief Valve (286-801)
- › Temperature & Pressure Gauge (AW 501-801)
- › Downstream Test Valves (AW 501-801)
- › Adjustable Leveling Legs
- › Tank Sensor
- › Adjustable High Limit w/ Manual Reset
- › Automatic Reset High Limit
- › Condensate Trap
- › Zero Clearances to Combustible Material
- › 5 Year Limited Warranty (See Warranty for Details)
- › 1 Year Parts Warranty (See Warranty for Details)

SMART SYSTEM FEATURES

- › SMART SYSTEM Digital Operating Control
- › Multi Color Graphic LCD Display
- › Built in Cascading Sequencer for up to 8 Water Heaters
 - › Lead Lag
 - › Efficiency Optimization
- › Building Management System Integration
 - › Modbus Communication (Optional)
 - › 0-10VDC Input to Control Modulation or Set point
 - › 0-10VDC Modulation Rate Output
 - › 0-10VDC Input to Enable/Disable call for heat
- › Access to BMS Settings Through Graphic LCD Display
- › Low Water Flow Safety Control & Indication
- › Inlet & Outlet Temperature Sensors & Readout
- › Flue Temperature Sensor
- › Water Heater Pump Control
- › Pump Delay with Freeze Protection
- › Pump Exercise
- › Night Setback
- › Building Recirculation loop Pump Control*
 - › Night Setback of Building Recirculation Loop*
- › Time Clock
- › Maintenance Reminder
 - › Ability to program name and number into the product as contact
- › High Voltage Terminal Strip
 - › 120 VAC / 60 Hertz / 1 Phase Power Supply
 - › Pump Control Contacts
 - › Water Heater Pump Control Contacts
 - › Building Recirculation Pump Control Contacts
- › Low Voltage Terminal Strip
 - › 24 VAC Auxiliary Device Relay
 - › Auxiliary Proving Switch Contacts
 - › Flow Switch Contacts
 - › Alarm on Any Failure Contacts
 - › Runtime Contacts
 - › Tank Sensor Contacts
 - › Cascade Contacts
 - › 0-10 VDC BMS External Control Contact
 - › 0-10VDC Boiler Rate Output Contacts

OPTIONAL EQUIPMENT

Alarm Bell
Condensate Neutralization Kit
High & Low Gas Pressure Switches (AW 501-801)
Concentric Vent Kit (3" & 4" PVC/CPVC only)
BMS Gateway
ModBus Communications
SMART SYSTEM PC Software
Room Air Vent Kits
Stack Frame

FIRING CONTROL SYSTEMS

- › M9 Standard Construction
- › M7 California Code (AW 286-801)

**Exclusive to Lochinvar*

