



Lochinvar®

AQUAS™ COMMERCIAL POOL PACKAGE

Submittal Sheet

APO-Sub-02

AQUAS™ (750,000 - 2,000,000 BTU/HR) COMMERCIAL POOL PACKAGE

Job Name: _____

Model No. _____

Location: _____

Type Gas _____

Engineer: _____

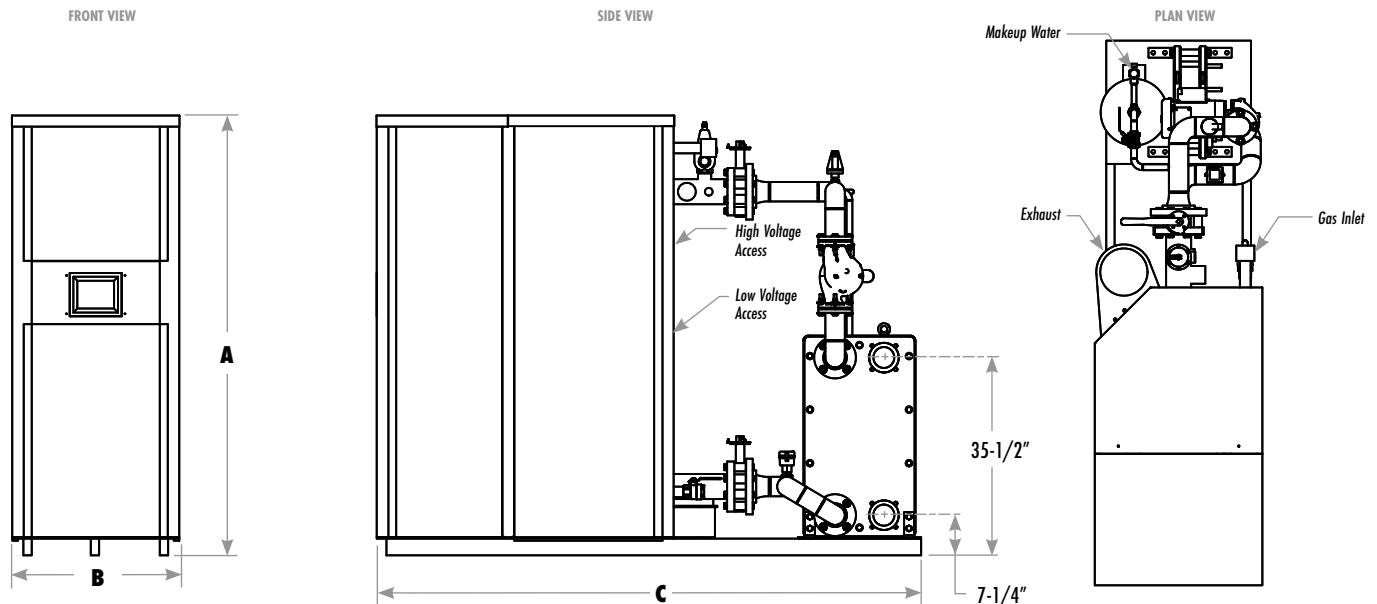
Btu/Hr Input _____ Btu/Hr Output _____

Agent/Wholesaler: _____

Equipment Tag(s): _____

Contractor: _____

NOTES:



AQUAS™ Commercial Pool Package Specifications and Dimensions

Model No.	Btu/Hr Input	A	B	C	Pool Conn.	Gas Conn.	Vent Size	Air Inlet	Pool Flow	Shipping Wgt. (lbs.)
APO0750N	750,000	79"	30"	87-3/4"	3"	1-1/4"	6"	6"	96	2,623
APO1000N	999,000	79"	30"	87-3/4"	3"	1-1/4"	6"	6"	128	2,659
APO1250N	1,250,000	79"	30"	87-3/4"	3"	1-1/2"	8"	6"	167	2,809
APO1500N	1,500,000	79"	30"	97-3/4"	3"	1-1/2"	8"	8"	192	3,097
APO1750N	1,750,000	79"	30"	97-3/4"	3"	1-1/2"	8"	8"	215	3,247
APO2000N	1,999,000	79"	30"	97-3/4"	3"	1-1/2"	8"	8"	225	3,397

NOTES: BTU output based on 80 degree pool water and a Delta-T of 8 degrees across the pool heat exchanger. • Models listed are natural gas. Change 'N' to 'L' for LP gas models. • No deration on LP models. • Performance data is based on manufacturer test results. Agency certification applies to the boiler.

Call factory for special orders above 2,000,000 Btu/hr

AQUAS™

COMMERCIAL POOL PACKAGE

CODES & REGISTRATIONS

ANSI Z21.13/CSA Certified
ASME Certified, "H" Stamp / National Board
California Code Compliant
CSD1 / Factory Mutual / GE Gap Compliant
Canadian Registration Number (CRN)
South Coast Air Quality Management District Qualified
AHRI Certified Boiler

Standard Features

- › **Up to 96.2% Thermal Efficiency**
- › **Modulating Burner with up to 25:1 Turndown**
 - Direct-Spark Ignition
 - Low NOx Operation
 - Sealed Combustion
 - Low Gas Pressure Operation
- › **Vertical and Horizontal Direct Venting**
 - Category IV up to 100 Feet
 - PVC, CPVC, Polypropylene or AL29-4C Vent
- › **ASME "H" Stamped Heat Exchanger**
 - 316L Stainless Steel Fire Tubes
 - Gasketless Design
 - 160 psi Working Pressure
 - On/Off Switch
 - Air Inlet Filter w/Replacement Reminder
- Adjustable High Limit with Manual Reset
- Low Water Cutoff with Manual Reset & Test
- High & Low Gas Pressure Switches w/Manual Reset
- Low Air Pressure Switches
- Condensate Trap w/Blocked Drain Switch
- Drain Valve
- Pool Sensor
- Inlet & Outlet Temperature Sensors
- High-Voltage Terminal Strip
- Low-Voltage Terminal Strip
- Downstream Gas Test Cocks
- 50 psi ASME Relief Valve
- Temperature & Pressure Gauge
- Zero Clearances to Combustible Materials
- › **See Warranty for Details:**
 - 10-Year Limited Warranty
 - 5-Year Warranty on Pool Heat Exchanger
 - 1-Year Warranty on Parts
- › **Titanium Pool Heat Exchanger (Non-ASME)**
 - Salt Water Ready



Smart Touch™ Features

- › **CON-X-US Remote Connect**
- › **SMART TOUCH™ Touchscreen Operating Control**
- › **Full-Color 8" Touchscreen LCD Display**
- › **Built-in Cascading Sequencer for up to 8 Pool Heaters**
 - Built-in Redundancy
 - Cascade Multiple Sized Boilers
 - Lead/Lag Cascade
 - Efficiency Optimized Cascade
- › **Building Management System Integration with 0-10 VDC Input**
- › **BACnet MSTP Communications**
- › **Modbus Communications**
- › **Password Security**
- › **Low Water Flow Safety Control & Indication**
- › **Inlet & Outlet Temperature Readout**
- › **Freeze Protection**
- › **Service Reminder**
- › **Time Clock**
- › **Data Logging**
 - Ignition Attempts
 - Last 10 Lockouts
- › **High-Voltage Terminal Strip**
 - 120 VAC / 60 Hertz / 1 Phase Power Supply
- › **Low-Voltage Terminal Strip**
 - Device Relay Contacts
 - Proving Switch Contacts
 - Alarm on Any Failure Contacts
 - Runtime Contacts
 - Spa Thermostat Contacts
 - Unit Enable/Disable Contacts
 - Pool Sensor Contacts
 - Spa Sensor Contacts
 - Outdoor Air Sensor Contacts
 - Cascade Contacts
 - 0-10 VDC BMS External Control Contacts

Optional Equipment

Alarm on Any Failure
BMS Gateway - BACnet IP or LonWorks
Common Vent Kits
Condensate Neutralization Kit
Outdoor Hood Kit for Non-sheltered Installations

SMART TOUCH PC Software
Electrical Options (Shipped Loose):
208V/3Ø/60Hz
480V/3Ø/60Hz
600V/3Ø/60Hz



Lochinvar, LLC
300 Maddox Simpson Parkway
Lebanon, Tennessee 37090
P: 615.889.8900 / F: 615.547.1000
f t in y Lochinvar.com

