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. _____

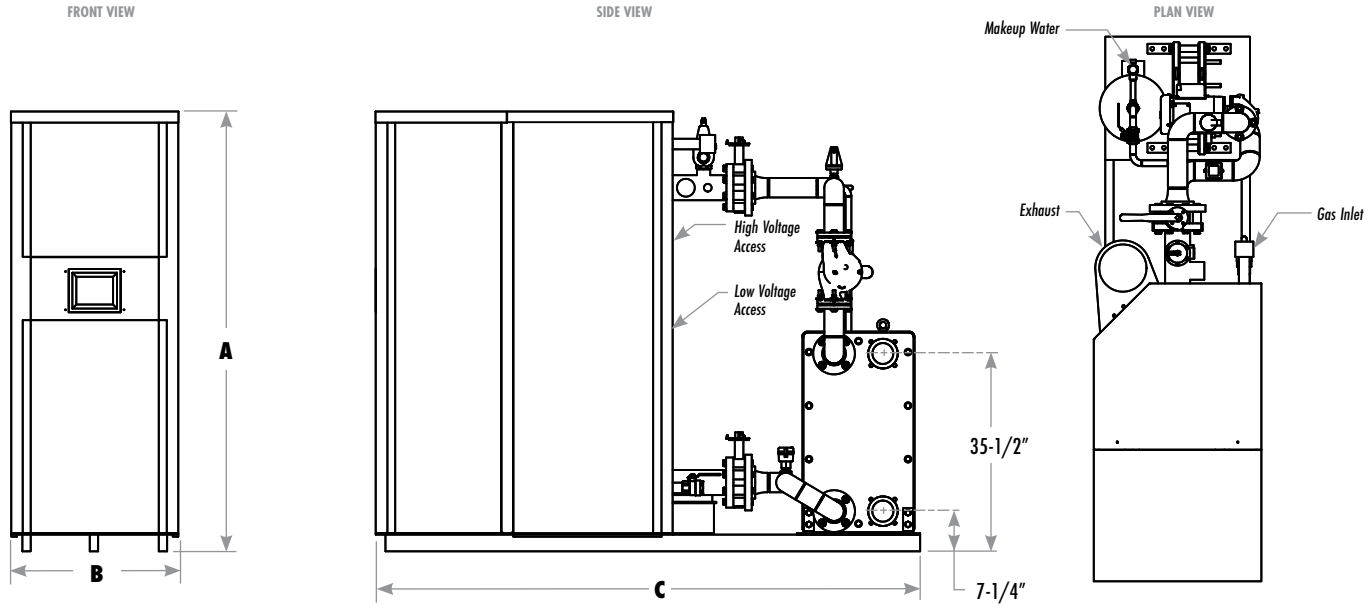
Location: _____ Type Gas _____

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 axchanger. • 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 certfication applies to the boiler.

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

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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®

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