11 MODELS FROM 1,000,000 TO 6,000,000 BTU/HR

UP TO 96.2% THERMAL EFFICIENCY

UP TO 25:1 TURNDOWN RATIO

TITANIUM INDIRECT PLATE AND FRAME POOL HEAT EXCHANGER

SMART TOUCH OPERATING CONTROL

CONXUS REMOTE CONNECT CAPABLE
INNOVATION IN DESIGN
The AQUAS commercial pool package is a dramatic advancement in the design of pool heating systems. The AQUAS package is a factory assembled system featuring a free-standing boiler piped to a dedicated titanium pool heat exchanger.

- Effective heat transfer from a high efficiency, modulating condensing boiler.
- A complete factory assembled package reduces installation cost and time.
- Separating the pool water from the direct-fired heat source reduces maintenance and promotes longer equipment life.
- Reliability and performance with a positive user experience.

POOL HEAT EXCHANGER
A durable industrial grade titanium heat exchanger provides effective heat transfer. The pool water flows through a series of plates. Titanium is a strong but light-weight alloy used in aerospace, automotive and military applications. Used in pool systems, titanium is highly resistant to corrosion from salt water and chlorine. This simple design keeps the pool water separate from the heat source while allowing for complete and highly efficient heat transfer.

INSIDE THE BOILER
The AQUAS is an innovative pool package that begins with the most advanced boilers in the industry today. The AQUAS heat source is a high efficiency, condensing boiler perfectly suited for the low water temperatures typical of pool heating. The following are some of the exciting features you get with the advanced boiler design.

FULLY MODULATING BURNER
Modulation is an important combustion feature that is long overdue in the pool industry. Why fire the appliance at 100% input in short bursts to heat the pool water? With a modulating burner, the boiler will tune in the input rate to exactly match the Btu/hr losses of the pool water. The burner will then “cruise” along comfortably, heating the pool water in long, low input burn cycles that dramatically increase the overall life of the boiler.

THERMAL EFFICIENCY
The AQUAS pool package is constructed with stainless steel modulating condensing boilers that deliver up to 96.2 thermal efficiency. Low return water temperature from a pool makes for an ideal application. The heat exchanger is sized to maximize the heat transfer of the boiler water to the pool water flowing through the heat exchanger. Higher thermal efficiency reduces your fuel costs.

DIRECT VENT WITH PVC
Reduce your installation cost, save time and effort by installing the AQUAS pool package with PVC pipe. The AQUAS pool package offers a variety of vent designs in your choice of PVC, CPVC, Polypropylene or Stainless Steel vent material. What’s more, you can Direct Vent the AQUAS. By drawing the combustion air into the appliance with a dedicated intake pipe, the AQUAS is protected from corrosive pool chemicals that could damage the combustion system.
REFINED DESIGN PUTS MORE CONTROL AND INFORMATION AT YOUR FINGERTIPS

JUST A FEW OF THE ADVANCED FEATURES:
- Multi-Color Graphic LCD Touch Display
- Cascade of up to 8 AQUAS Packages
- USB Port for PC Connection
- Maintenance Reminder with Installer Name & Number
- BACnet MSTP Communication (Modbus Optional)
- Password Security
- Operational and Alarm Readouts
### AQUAS DIMENSIONS AND SPECIFICATIONS

#### AQUAS POOL PACKAGE

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Notes: 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.

For sizes larger than 2,000,000 Btu/hr contact factory.

#### OPTIONAL EQUIPMENT

- Alarm on any failure
- BMS Gateway - BACnet IP or LonWorks
- Condensate Neutralization Kit
- SMART TOUCH PC Software
- Common Vent Kits
- Electrical Options (Shipped Loose):
  - 208V/3Ø/60Hz
  - 480V/3Ø/60Hz
  - 600V/3Ø/60Hz

#### 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 Managemnt 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
- 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
- 10-Year Limited Warranty (See Warranty for Details)
- 1-Year Warranty on Parts (See Warranty for Details)
- 5-Year Warranty on Pool Heat Exchanger (See Warranty for Details)
- Titanium Pool Heat Exchanger
- 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
  - 0-10 VDC BMS External Control Contacts

### OPTIONAL EQUIPMENT

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  - CSD1 / Factory Mutual / GE Gap Compliant
  - Canadian Registration Number (CRN)
  - South Coast Air Quality Management District Qualified
  - AHRI Certified Boiler

### Model Number Guide

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