



Commercial Pool Heater Pre-startup Checklist

The installer should complete this checklist before calling Raypak to schedule start up of the heater. Please check each item carefully for completion. The project manager or supervisor on site should sign and date this agreement and fax it to Raypak's service department: **Attention Dispatcher 805-278-5496.**

- Water connections** made to heater(s), in full pipe diameter (**no reduction** from the header connection size) and **per the instructions in the heater installation manual**. Note the flow requirement for the heater being installed. **All pool heaters with mounted pumps require "primary/ secondary plumbing" rather than "primary only"**.
- All WHP units** must have an **AUTO HI LIMIT** installed *downstream* within 5 feet of the return line of the heater and its connection to the system return and wired to the controls of the heater (see low voltage strip wiring diagram in manual).
- Temperature control** installed in the incoming water supply line *before any bypass* and wired to the controls of the heater. Refer to the installation manual for location.
- BOILER OPERATING PERMIT** on site and available in those States requiring an operational/inspection permit. **Do not call for start-up if you do not have this document on site when required. Contact your local State Boiler Inspector for assistance.**
- Heater waterways flooded** and completely purged of air. Open PRV until a constant flow of water is seen.
- PRV plumbed to drain** per local code. Material must be able to withstand steam at 350F.
- Installed clearances** as specified in the manual. Note requirement for front access for the heater being installed.
- Heater installed on an approved pad** equal to or larger than the footprint of the unit and made from non-combustible material. A unit equipped with Raypak's optional combustible floor base may be installed on a combustible floor. **Note: The wooden shipping pallet is not acceptable for installation under any circumstances.**

- Power** connected to the heater, with adequate wire gauge and breaker capacity for total load. If the installation involves multiple units, each unit must be wired to an independent panel to allow for emergency shutdown.
- Breakers** energized, or easily accessible for power up at start-up.
Note: Pumps that require 230 volts cannot operate on 208 volts. Verify with electrician or the installer that 208VAC has not been applied to any Raypak product.
- Fuel supply** connected to heater. **Note: line must have adequate dynamic capacity for the heater, including adequate capacity of the gas pressure regulator(s) and the gas meter.**
- Air purged** from the gas line; fuel to the heater's first shut-off valve. **Note: For MVB/XTherms, medium-pressure gas should be brought to within two feet of the heater. Locate the pounds to inches regulator within 18" of the MVB/XTherm gas connection.**
- Gas valve bleed and vent lines** (if any) must be run from heater jacket to outside per local code (Indoor installations only).
- Venting and flue in place.**
Note: The size and type of the venting material must meet code requirements for the specific venting category of the heater installed. Check the manual or consult with the factory for suggested vent sizing, routing and terminations.
- Permanent test port** installed in the vent (stack) for Hi Delta, MVB, Xtherm or XFyre, 12" above the flue collar. **Note: In most cases, code does not allow perforations of the vent to take combustion samples.**
- Combustion and ventilation openings** must meet specified requirements for an indoor installation. If heater is utilizing "TrueSeal" air supply, check diameter of vent and length of run for adequate combustion air.
Note: The Raypak manual contains sizing charts and tables. The National Fuel Gas Code also contains information about combustion and venting.
- Manual** supplied with heater is available at jobsite.
Note: If you cannot locate the original manual, please advise Raypak when you call in to schedule your start up. Raypak will provide a fresh copy. The manual is also available for download at the Raypak document library, at www.raypak.com.

Please allow a minimum of 3 business days for scheduling the startup of a boiler located within Southern California, 5 days for boilers located outside that area. Please contact the Raypak Service Dispatcher at 805.278.5422 or 805.278.5417 to make an appointment for startup.

Please verify that the boiler(s) and the site are ready prior to the time that Raypak's technician arrives to do the startup. It may be necessary to schedule one or more return visits. **Raypak charges \$155.00 for any return visits that may result from lack of preparation of the boiler or jobsite.**

Payment by credit card in advance for the amount presented to the invoiced party will be the only acceptable form of payment if a return trip is necessary.

By signing this agreement below, the signing party agrees to pay for services by Raypak, Inc. as incurred, should a second or further return visits be required.

Job Site Name _____

Job site Address _____

Contact Name, Phone# (and title) on site _____

Heater Model Number(s) _____

Quantity of heaters to start _____

Serial Numbers #1- _____
 #2- _____
 #3 - _____
 #4- _____
 #5- _____
 #6- _____

Comments or notes regarding access or start times: _____

Installing Contractor name _____

Phone Number _____

Project Manager, Contractor or Supervisor's name _____

Date _____ Signature _____
(Person authorized to agree to the terms and conditions of this agreement)

Please sign, date and complete this form, then fax it to Raypak's dispatcher at (805) 278-5496. Someone from Raypak will respond within 1 business day to have the work scheduled.