

# Installation Check List



## Before the initial start-up, check the following items:

- Boiler Position
- Boiler clearances
- Venting system: installed correctly and secured
- Gas piping: properly sized, installed and leak checked
- Condensate piping: installed according to applicable codes
- Fill condensate trap
- Relief valve(s) piped down
- Is Ventilation air required, if so, is it installed and properly sized
- Boiler and system filled with water and purged of air. Fill pressure 14psi (1 Bar)
- Purge air from circulator by loosening rear bearing plug
- Remove circulator rear bearing plug and using slotted screwdriver check that circulator motor turns freely, reinstall plug
- Wye strainer installed in return piping (systems with old piping)
- Internal circulator air vent opened (red cap in up position)
- Air bleed from top of heat exchanger
- Check electrical connections for proper voltage, polarity, and grounding
- Check unit for proper gas type
- Convert to the proper gas if required (refer to instruction manual, perimeter 02; perimeters 02, 17, 18, 19 and 20 on PCH18 & PCI18/8)

## Upon start-up, check the following items:

- Start boiler and check for proper gas pressure setting on high fire (refer to instruction manual and type of gas)
- Check circulator operation adjust to high speed (3)
- Check CO<sub>2</sub> while burner is running on high fire, adjust V screw to achieve the correct value if necessary (refer to instruction manual)
- Check general operation
- Check boiler ignition safety by interrupting the gas supply while boiler operates. Wait for E01 error code on display. Turn OFF then ON to reset.
- Replace testing port plugs on vent pipe
- Install front cover and secure
- Leave instruction manuals in the vicinity of the boiler
- CO detector installed

### Check List Verification

Company \_\_\_\_\_

Technician \_\_\_\_\_

Date \_\_\_\_\_