



Lochinvar®
HIGH EFFICIENCY BOILERS & WATER HEATERS

**THERMAL EXPANSION
TANK
Instruction Sheet**

**THERMAL EXPANSION TANKS
INSTALLATION AND OPERATION INSTRUCTIONS**

MODEL APPLICATION

HYDRONIC HEATING
& POTABLE WATER

PRECHARGE PRESSURE

40 PSIG

MAXIMUM PRESSURE

150 PSIG

Instructions

1. Visually inspect tank for damage, which may have occurred during transit.
2. The factory pre-charge pressure may not be necessary for the installation. If so, field adjust the pre-charge to system specifications.
3. The tank **MUST** be pre-charged to system design fill pressure **BEFORE** being placed into operation. Remove pipe plug covering the valve enclosure, check and adjust the charge by adding or releasing air for each application.
4. If the system has been filled, the tank must be isolated from the system and the tank emptied before charging. This ensures all fluid has exited and proper charging will occur.
5. If pre-charge adjustment is necessary, oil and water free compressed air or nitrogen gas may be used. To avoid excessive pressures, compressed air or nitrogen gas must be regulated (using an appropriate pressure regulating valve) at or below the maximum working pressure of the tank (as noted on the data plate).
6. Check the pre-charge using an accurate pressure gauge at the charging valve and adjust as required. Check air valve for leakage. If evident, replace with Schrader type tire valve core. Do not depend on the valve cap to seal the leak. After making sure air charge is correct, replace pipe plug over charging valve for protection.
7. Set tank in place and pipe system connection to system. Be sure to include isolation valve(s) and drain. Do not loosen nuts on cover plate as this will result in loss of pre-charge.
8. Purge air from system **BEFORE** placing tank into operation.
9. When filling the system with water, open valves to tank to ensure that any residual air in the tank is displaced by water.



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