Certifications and Ratings

• Optional ASME Construction

ASME construction is available on storage models GL-80 ASME/GL-119 ASME/GL-175 ASME. Certified to ASME boiler and pressure vessel code standards.

Limited Warranty

• This product features a five-year limited warranty against tank leaks. See warranty brochure for complete details.
Features and Benefits:

• Glass lined steel tank for long life.
• 1½"-thick foam insulation allows less than 1 degree F per hour heat loss (24 degrees F in 24 hours) for easy servicing.

Plumbing

It is important that all plumbing is done in accordance with all local, state, and federal plumbing codes and that thread dope (provided) be used on all mechanical connections.

NOTE: The use of heat, such as blow torches, etc., near the tank, may cause distortion to the high density polyethylene wrapper. Caution should be exercised.

NOTE: When filling the tank, make sure you open a hot water tap to release air in the booster tank and piping system.

Operating Your Glass Lined Storage Tank

Boiler high limit should be set at least 20 degrees F higher than the booster tank temperature setting. Temperature setting of 120 degrees F is recommended, or use setting in accordance with local and state codes for normal operation. You may prefer a lower temperature setting to satisfy your needs. A mixing valve in connection with a higher temperature setting may be used for high demand applications (saunas, spas, hot tubs, whirlpools)

NOTE: If draining of the tank is necessary, open the T & P valve or a hot water tap to prevent vacuum buildup in the tank and piping.

Domestic Hot Water Outlet Connection

Use both thread tape and pipe dope and connect an NPT brass tee (refer to dimensional information chart for the correct connection size for your tank) In the run off the brass tee, install an NPT brass T&P valve long element for hot water storage tanks, required by local codes, but not less than the valve certified as meeting the requirements for relief valves for hot water heaters (ANSI Z212B-1984) by a nationally recognized lab that maintains periodic inspection of production listed equipment. Make sure the relief valve is sized to the BTU and storage capacity of the tank. The temperature and pressure relief valve must be plumbed down so discharge can exit only 6” above or at any distance below the structural floor and cannot be in contact with any live electrical parts.

WARNING

Water temperature over 120 degrees F. can cause severe burns instantly, or death from scalds. Children, disabled, and elderly are at highest risk of being scalded. See instruction manual before setting temperature at water heater! Feel water before bathing or showering. Temperature limiting valves are available, see manual.

5 Year Limited Warranty

Heat Transfer Products, Inc., warrants to the original retail purchaser, that Heat Transfer Products Inc. will furnish a replacement GL series tank assembly in the event of tank leakage or defects in material, workmanship or repair same at our option, at no cost to the original retail purchaser, except as set forth in the warranty. Heat Transfer Products Inc. shall not, under any circumstances, be liable for incidental and or consequential damages and expenses resulting from alleged defects under this warranty.

Accessories and Options

GL-KT1 Aquastat cover with BX and line cord (for GL-50 series only)
GL-KT2 Aquastat cover with BX, line cord and bronze pump (for GL-50 series only)
Specifications
Tank(s) interior shall be coated with a high temperature porcelain enamel and furnished with two magnesium anode rods rigidly supported for the metal jacketed and one magnesium anode for the plastic jacketed. Storage Tank(s) shall exceed the efficiency requirement of ASHRAE Standard 90.1-2001. Tank(s) shall have a working pressure rating of 150 psi, and shall be completely assembled. Tank(s) shall be insulated with rigid polyurethane foam insulation. Storage Tank(s) shall be covered by a five year limited warranty against tank leaks.

ASME Constructions
Metal Jacketed Storage Tank(s) shall be constructed in accordance with the requirements of the ASME Boiler Pressure Vessel Code, Section IV Part HLW.
**NOTE:** IF A BACKFLOW PREVENTER OR A NO RETURN VALVE IS INSTALLED, A THERMAL EXPANSION TANK IS REQUIRED ON THE COLD WATER INLET BETWEEN THE SUPERSTOR AND THE BACKFLOW PREVENTER.