

### **Typical Specification for Lochinvar<sup>®</sup> Buffer Tank / Air Eliminator**

The **BUFFER TANK** shall be a Lochinvar Buffer Tank, Model \_\_\_\_\_ with vertical construction having a capacity of \_\_\_\_\_ gallons. The tank shall be constructed with a built in air separator with automatic air vent, reducing the need for a separate system air separator.

The **BUFFER TANK** shall be constructed in accordance with ASME Boiler and Pressure Vessel Code Section VIII Div. 1 requirements, stamped and registered with the National Board of Boiler and Pressure Vessel Inspectors. The tank shall be furnished with the following connections, two 3" NPT for system supply and return for 120 & 200 gallon models, 4" Flanged for 300 gallon model and 6" Flanged on 500 gallon model; two 3" NPT Boiler recirculation tapings; and one 1" drain pipe (special size connections may be specified).

The **BUFFER TANK** shall have a working pressure of 125 PSI and shall be channel iron skid mounted with lifting lugs. The **BUFFER TANK** shall carry a five year limited warranty against tank failure resulting from defects in materials or workmanship (see warranty for details).

The **STORAGE TANK** shall be constructed with a heavy gauge galvanized steel jacket assembly, primed and pre-painted on both sides with a minimum dry film thickness of 0.70 mills. The **STORAGE TANK** shall be completely encased in a minimum of 2" thick, high density polyurethane foam insulation to meet the energy efficiency requirements of the latest edition of the ASHRAE 90.1 Standard.

The jacket dimensions shall be \_\_\_\_\_" diameter, \_\_\_\_\_" and \_\_\_\_\_" tall.