



# HYDRONIC EXPANSION TANKS

## TYPICAL SPECIFICATIONS

### **AX Series EXTROL® Hydronic Expansion Tank (diaphragm type pre-pressurized)** **For use with Deep Drawn models AX10-DD, AX15(V)-DD, AX20(V)-DD and AX40(V)-DD**

The pressurization system shall include an EXTROL, diaphragm-type expansion tank which will accommodate the expanded water of the system generated within the normal operating temperature range, limiting this pressure increase at those components in the system to the maximum allowable pressure at those components. It shall maintain minimum operating pressure necessary to eliminate all air. The only air in the system shall be the permanent sealed-in air cushion contained in the diaphragm-type tank, Model No.\_\_\_\_\_. Dimensions shall be as indicated on the drawings.

The expansion tank shall be welded steel, constructed, tested and stamped in accordance with Section VIII, Division 1 of the ASME Code for a working pressure of (125) (\_\_\_\_\_) PSIG and air pre-charged. Tank shall have a Deep-Drawn steel shell with no longitudinal welds or "T" joints. A Butyl rubber diaphragm shall be affixed to the pressure shell via a circumferentially grooved seal.

The water connection shall be 304L Stainless Steel with a Turbulator™ circulation device inserted to encourage elimination and debris within the tank water chamber to reduce diaphragm wear and extend diaphragm life.

The tank shall be supported by steel legs or a base (integral ring mount) for a vertical installation or steel saddles for horizontal installations. Each tank will have a heavy-duty butyl/EPDM diaphragm.

The manufacturer shall have at least five years experience in the fabrication of diaphragm-type ASME expansion tanks.



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