



Hydronic Expansion Tank “Typical Specification ASME Vessels”

AX Series Expansion Tank (Diaphragm type pre-pressurized)

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.

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 with code approvals NSF/ANSI 61.

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

L & LBC Series Expansion Tank (replaceable bladder-type pre-pressurized)

The pressurization system shall include an EXTROL[®], replaceable bladder-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 replaceable bladder-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) (175) (250) (_____) PSIG and air pre-charged.

The tank shall be supported by steel legs or a base (integral ring mount) for a vertical installation. Each tank will have a heavy-duty replaceable butyl bladder (NSF/ANSI 61 “L” Series).

The manufacturer shall be AMTROL Inc. The manufacturer shall have at least five years experience in the fabrication of bladder-type ASME expansion tanks.



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