

FIRE-X-TROL™ Typical Specifications

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Furnish and install, as shown on plans, an AMTROL FIRE-X-TROL _____gallon (liter), _____inch (mm) diameter X _____inch (mm) high AMTROL FIRE-X-TROL Model FPT-(V) _____(-C) wet pipe sprinkler system diaphragm expansion chamber.

The expansion chamber will accommodate the expanded fluid of the system generated within the normal operating temperature range, limiting the pressure increase at those components in the system to the maximum allowable pressure at those components. It shall maintain a minimum operating pressure. Each tank shall have a diaphragm used to isolate the nitrogen or dry air (50°F/-46°C dewpoint or lower) charge from the fluid.

The expansion chamber shall be welded steel, constructed and tested in accordance with Section VIII, Division 1 of the ASME code for a

working pressure of 175 psig (12 bar), factory pre-charged and field adjustable. All welds conforming to ASME section IX.

Must be UL (Underwriters' Laboratory) Listed for use with Fire Protection Antifreeze Systems per NFPA 13. Expansion chamber must be compatible with Glycerine (C.P. or U.S.P. Grade) and Propylene Glycol Antifreeze Solutions. The tank shall be supported by steel legs or a base (integral ring mount) for a vertical installation. Each tank shall have a polypropylene liner with stainless steel system connection.

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