

SPECIAL SPECIFICATION

SECTION 15122S

EXPANSION TANKS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Steel expansion tanks used in mechanical and plumbing systems, including accessories and connections to piping systems.

1.02 RELATED SECTIONS

- A. Section 13085S – Seismic Protection**
- B. Section 15083S – Pipe and Equipment Insulation.**
- C. Section 15051S – Piping Systems .**

1.03 SUBMITTALS

- A. Include outline drawings indicating weight, dimensions and required clearances.
- B. Include product data on accessories.
- C. Provide operation and maintenance manual.

1.04 QUALITY ASSURANCE

- A. Construct pressure tanks to ASME Code for unfired pressure vessels.
- B. Comply with applicable government regulations.

PART 2 - PRODUCTS

2.01 EXPANSION TANKS

- A. Provide ASME stamped tanks.

- B. Tank: Closed type, welded steel rated for working pressure of 150 pounds per square inch-gage, cleaned, prime coated and supplied with steel support saddles.
- C. Construct tank with tappings for installation of accessories.
- D. Provide gage glass set consisting of brass compression stops and guard. Glass long enough to cover tank from 2 inches above bottom to 2 inches below top. Maximum length of each glass 24 inches.
- E. Provide quick connect air inlet of automotive tire valve type and tank drain.
- F. Provide pressure relief valve, and automatic cold water fill assembly complete with pressure reducing valve, reduced pressure double check back pressure valve with test cocks, strainer, vacuum breaker, and valved by-pass.
- G. Provide an Airtrol tank fitting as manufactured by Bell & Gossett.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Support tanks inside building from building structure.
- B. Flush and clean tank prior to delivery to site and keep sealed during construction.
- C. Anchor tanks in accordance with manufacturer's instructions.

END OF SECTION