

**CONSTRUCTION SPECIAL SPECIFICATION**

**SECTION 15122\_S**

**EXPANSION TANKS**

**PART 1 - GENERAL**

1.01	SECTION INCLUDES .....	2
1.02	SUBMITTALS .....	2
1.03	QUALITY ASSURANCE .....	2

**PART 2 - PRODUCTS**

2.01	EXPANSION TANKS.....	2
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**PART 3 - EXECUTION**

3.01	INSTALLATION .....	3
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**CONSTRUCTION SPECIAL SPECIFICATION**

**SECTION 15122\_S**

**EXPANSION TANKS**

**PART 1 - GENERAL**

**1.01 SECTION INCLUDES**

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

**1.02 SUBMITTALS**

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

**1.03 QUALITY ASSURANCE**

- A. Construct pressure tanks to ASME Section VIII, Division 1 standards for unfired pressure vessels.
- B. Comply with applicable government regulations.

**PART 2 - PRODUCTS**

**2.01 EXPANSION TANKS**

- A. Acceptable Manufacturers:
  - a. Amtrol
  - b. Bell & Gossett
- B. Provide ASME stamped tanks.
- C. Tank: Bladder type, welded steel rated for working pressure of 125 pounds per square inch-gage, cleaned, and prime coated.

- D. Construct tank with tappings for installation of accessories. Provide charging fitting with schrader valve.
- E. Provide horizontal tanks with optional saddles.
- F. Provide vertical tanks with base ring for floor mounting.
- G. Provide suspended units with seismic anchor brackets.
- H. Provide pressure relief valve, and automatic cold water fill assembly complete with water meter, pressure reducing valve, reduced pressure double check back pressure valve with test cocks, strainer, vacuum breaker, and valved by-pass.

### PART 3 - EXECUTION

#### 3.01 INSTALLATION

- A. Support horizontal tanks from building structure. Install vertical tanks with base ring on housekeeping pad.
- B. Flush and clean tank prior to delivery to site and keep sealed during construction.
- C. Anchor tanks in accordance with manufacturer's instructions.
- D. Connect expansion tank piping to air separator.

END OF SECTION