

SECTION 15114

PRESSURE RELIEF VALVES

WORKING COPY- edit for Pressure Regulating Valves

PART 1 - GENERAL

1.1 DESCRIPTION

- A. Work Included: Furnish and install pressure relief valves of the type(s) and size(s) and in the location(s) shown on the Drawings and as specified herein.
- B. Related Work Specified Elsewhere: "Valves & Specialties - General" is specified in this Division.

1.2 QUALITY ASSURANCE

- A. All valves of same type and duty shall be by one manufacturer.
- B. Qualifications of Manufacturer: Products have proven reliable in similar installations over a reasonable number of years.
- C. Pressure relief valves shall be suitable for fire service and UL listed and FM approved.

1.3 JOB CONDITIONS

- A. Pressure relief valves shall be hydraulically operated.
- B. Valve shall be suitable for operation with up to **30 psi backpressure at 140 psi inlet** pressure.

PART 2 PRODUCTS

2.1 DESCRIPTION

- A. Hydraulically operated, diaphragm-activated, pilot controlled angle pattern valve.
- B. The pilot control shall be direct acting adjustable spring-loaded normally closed type diaphragm valve.
- C. Materials.
 - 1. End Details - Flanged, cast iron, 125 ANSI B16.1.
 - 2. Pressure rating - max operating pressure 175 psi.
 - 3. Body - cast iron ASTM A126.
 - 4. Trim - bronze ASTM B-61.
 - 5. Diaphragm - Nylon fabric bonded with Buna N.
 - 6. Disc - Resilient synthetic rubber.
- D. Manufacturer
 - 1. OCV or equivalent.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and as shown on the Drawings.
- B. Test valve for proper operation during pump startup period.

3.2 ACCESSORIES

- A. Waste cone:
 - 1. Enclosed type with sight glass.
 - 2. Cast iron with flanged ends (125 ANSI B16.1)
 - 3. Working pressure - 175 psi.

END OF SECTION