

SECTION 15626HVAC SYSTEM PUMPS (IN-LINE CIRCULATORS)PART 1 - GENERAL1.1 DESCRIPTION

- A. Work Included: Provide and install the HVAC system circulators as shown on the Drawings.
- B. Related Work Specified Elsewhere: "HVAC - General" is specified in this Division.

1.2 QUALITY ASSURANCE

- A. Verification of Unit Output: Equipment shall be supplied with manufacturer's certificate and pump curve for rated performance, horsepower, etc.
- B. Acceptable Manufacturers:
  - 1. Bell and Gossett Company Series 60
  - 2. Aurora.
  - 3. Taco.
  - 4. Dunham-Bush.

PART 2 - PRODUCTS2.1 MATERIALS

- A. Single stage, vertical splitcase, cast iron body, bronze fitted.
- B. Enclosed centrifugal non-overloading bronze impeller trimmed as required.
- C. Mechanical seal, carbon seal ring and remite or equal seal.
- D. Oil lubricated bearings, bronze journals, hardened alloy steel shaft.
- E. Flexible coupling between pump and motor.
- F. Suitable for in-line pipe installation.
- G. Motor:
  - 1. Oil lubricated.
  - 2. Electrical characteristics as indicated.
  - 3. Open drip-proof unless otherwise indicated.
  - 4. Single phase motors shall have built-in thermal overload protection.
- H. Size and capacity as indicated.

PART 3 - EXECUTION3.1 INSTALLATION

- A. Install using manufacturer's recommendations and as shown on the Drawings.
- B. Install so no vibration is transmitted to piping system. Provide independent support and flexible connections as required to eliminate pipeline vibration.
- C. Fully lubricate pump in accordance with manufacturer's recommendations prior to start-up.

3.2 ADJUSTING

- A. Test and run complete heating system under actual working conditions and adjust the unit to the satisfaction of the Engineer.
- B. Balance pump to rated head and flow as required by system.

END OF SECTION