

# BOILER FEED SYSTEM: SERIES BFS

## SUGGESTED SPECIFICATIONS

Furnish and install a packaged boiler feed system series BFS as manufactured by **Penn Pump & Equipment Company, Inc.** of Hatfield, PA (215-997-6100). The packaged and tested system should provide the capacity as scheduled on the drawings.

- A. The pumps shall be cast iron bronze fitted end suction centrifugal type with a minimum of 175 psig case working pressure, equipped with a replaceable bronze shaft sleeve and a mechanical shaft seal. The pumps shall be back pullout design and capable of being serviced with the system in operation. Each pump is to include an inlet strainer, isolation valve, union and pressure gauge.
- B. The boiler feed receiver tank shall be minimum 3/16" steel construction with gauge glass, thermometer, bronze make up water assembly and required connections. The receiver tank shall be removable from the package frame for ease of installation.
- C. Provide a NEMA 1 Disconnect starter panel mounted and wired to contain:
  - Main power disconnect switches with cover interlock
  - Individual motor fuse blocks with fuses or circuit breakers
  - Across the line magnetic starters with overload protection and resets
  - Auxiliary pump running contacts
  - Control circuit transformer 120 volt
  - Pump running pilot lights
  - HOA selector switches
  - Numbered terminal strip
  - Wiring diagrams
- D. The packaged boiler feed system shall be factory assembled and tested with schedule 40 steel system piping. The entire system shall be cleaned and painted with a high grade enamel prior to shipment.
- E. The system manufacturer shall provide single source responsibility for all the components provided on the packaged system. The service of a factory trained representative shall be made available on the project site for startup and instructing operating personnel.