

# WATER PRESSURE BOOSTER SYSTEMS: SERIES WPB

## SUBMITTAL DATA

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

- A.** The pump shall be all stainless steel, end suction, close coupled centrifugal type with a minimum of 175 psi case working pressure, equipped with a 304SS shaft sleeve and a mechanical seal. The pump shall include a bronze modulating thermal safety valve to prevent overheating of the pump casing.
- B.** Each pump shall include a 200psi lug style butterfly isolation valve on the inlet and outlet of each pump for ease of service of the pump or check valve, and a VFD compatible wafer check valve. All pump branches and valves are to be 2.5" to minimize pump system friction loss.
- C.** Provide a NEMA 1 system logic controller mounted and wired to contain:
- Single point power connection
  - Main disconnect switch with cover interlock
  - Individual motor circuit protectors
  - Variable Frequency Drives, each with a pressure transducer
  - HOA selector keypad buttons
  - No flow system shut down
  - Electronic pump alternation
  - Lead pump failure protection
  - Low suction shut down
  - High System pressure shutdown with alarm light
  - Remote monitoring contacts
- D.** The packaged pumping system shall be factory assembled and tested with Schedule 10 304 Stainless Steel piping and shall include pressure gauges. It shall be cleaned and painted with a high grade enamel prior to shipment. The service of a factory trained representative shall be made available on the project site for start-up and instructing operating personnel.



Certified to  
NSF/ANSI 61 & 372

***SPECIFY WITH CONFIDENCE, SPECIFY PENN PUMP SYSTEMS***