

WATER PRESSURE BOOSTER SYSTEMS: SERIES WPB

SUBMITTAL DATA

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 comparable 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 alternator
 - 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 instruction operating personnel.