

 **PROCESS COOLING PRODUCT LINE**

The FWPS-V: FriconUSA Water Pump Station Vertical series delivers high efficiency performance that minimizes operation and energy costs. Vertically mounted pump and top suction and discharge manifold fits where most pumps cannot. The unit features 1, 2 or 3 double volute design pumps with robust ductile iron construction. The FWPS is designed to be installed within a small footprint, give you low operating, installation and maintenance costs.

Applications:  
Chilled or Condensed water or Hot water

**STANDARD FEATURES AND BENEFITS:**

- Hot-dip galvanized, carbon steel bolted structure.
- 1, 2 or 3 vertical closed coupling centrifugal pump(s). Double volute design extends seal and bearing life, minimizes noise and vibration, & improves operating efficiency.
- Maximum pressure design 125 psi.
- Pump Motor: High efficiency ODP for indoor operation.
- Flange connections on both sides of the manifolds.
- Suction and discharge butterfly valve on each pump.
- Discharge waffle check valves.
- Low pressure drop suction filter strainer.
- Anti-vibration, rubber expansion joint in the suction and discharge of the pump.
- UL 508A listed built-in electrical control panel.
- Control 208-230V / 1PH / 60HZ.
- Power Supply Voltage 460V / 3PH / 60HZ with single point power connection.
- Electronic control system; pump operational management, rotation, thermal overload alarm, measurement of pressure and temperature variables, 132x64 LCD backlit built-in display with 6-button keypad.
- 2 year warranty.

**PUMP CHARACTERISTICS:**

- Vertically mounted top suction and discharge pump.
- Ductile iron construction: ASTM A536 65-45-12.
- Stainless steel shaft reduces possibility of oxidation: AISI 303.
- Silicon bronze trimmed and balanced impeller: ASTM B584 UNS C876000.
- Mechanical seal, type 21 John Crane, constructed and available in various configurations to meet application requirements.

**STANDARD OPTIONS:**

- All stainless steel construction (frame, piping and electrical panel enclosure) with epoxy coated pump.
- Welded and epoxy painted for food industry.
- Split coupling centrifugal pump(s).
- Maximum pressure design 250 psi.
- Pump motor: TEFC (Totally Enclosed External Fan Cooled, IP55) for indoor/outdoor operations.

**ADDITIONAL OPTIONS:**

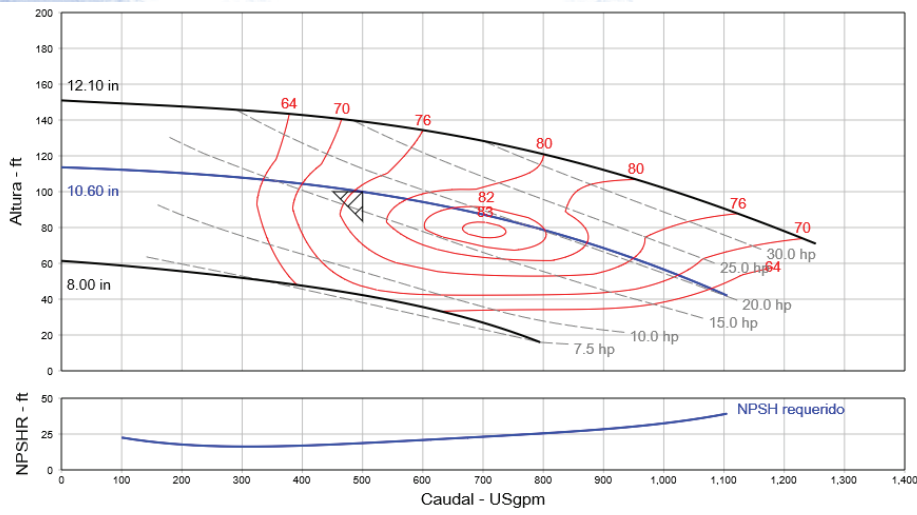
- Variable speed VFD on each pump for greater flow precision or pressure and energy savings.
- Insulation:
  - Flexible elastomeric closed-cell foam.
  - Flexible elastomeric closed-cell foam with flexible non-metallic coverings for greater protection.
- Electronic control system:
  - BACnet Communication board.
  - Remote LCD display.
  - Local or remote touch screen display.
  - Energy Management Module.



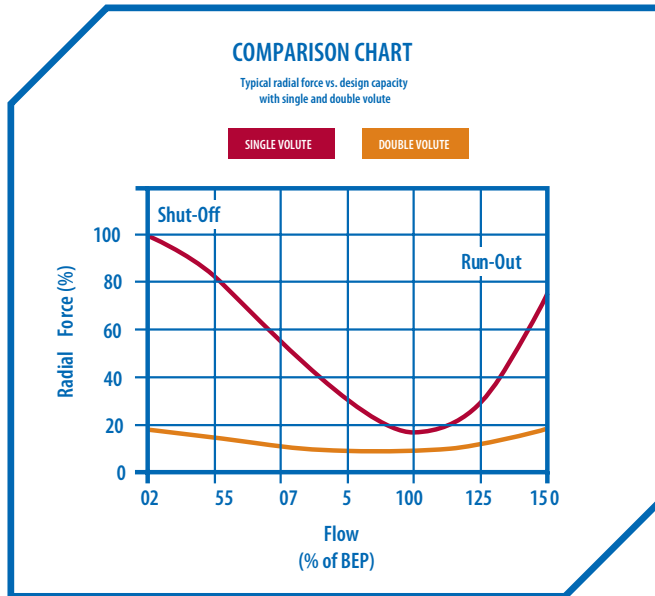
**PROCESS COOLING: PLASTIC INJECTION MOLDING, MEDICAL EQUIPMENT, GLYCOL COOLING SYSTEMS & MORE**



## CAUDAL AND PRESSURE GRAPHIC (SAMPLE)



## DOUBLE VOLUTE



**PACO PUMPS**  
GRUNDFOS