Rain Bird’s 4 pump, vertical turbine pump station on a polyester powder-coated deck is designed to be installed over wet wells or vaults. Vertical turbines offer the highest hydraulic efficiency available, leading to the lowest cost of ownership of the life of the system. With a PM pump for pressure maintenance and optional IP (Intermediate Pump), this station is well-suited for large Turf and Golf Course irrigation applications with flows up to 3000 gpm (189 lps, 681 m³/h).

At-A-Glance Description
- **Energy efficient** – Vertical turbine pumps with Variable Frequency Drive (VFD) maintain constant pressure at varying flow demand.
- **High Flow capacity** – up to 3000 gpm at 80 psi (189 lps, 681 m³/h at 5.5 bar)
- **Sophisticated control package** with enhanced PLC software, large color touch panel display and a choice of communication options for remote access, central control software integration-ready.
- **Choice of filtration options** and accessories.

Standard Features
- **Main Pumps**
  - Marine Bronze Impellers
  - Stainless Steel Vertical Line Shaft
  - Marine Bronze Bowls
  - 60 KPSI Ductile Iron Head
- **Pressure Maintenance**
  - 5 HP PM pump - Submersible
- **Motors**
  - High Efficiency Motors, Weather Protected Type WP1, Class F insulation
  - Motor heaters
- **Mechanical Features**
  - Inlet Butterfly Isolation Valve
  - Discharge Butterfly Isolation Valve
  - Silent Check Valve
  - Pressure Relief Valve
  - Air Relief Valve per head
  - Hose bib
- **Pressure / Flow**
  - Stainless Steel Pressure Transducer
  - Paddle Wheel Flow Meter
- **Enclosures / External Connections**
  - Polyester Powder-Coated Steel Deck and Piping
  - Integral Wet Well Service Hatch
  - NEMA 4 Electrical Enclosure
  - Heat Exchanger on Electrical Enclosure
- **Pump Control**
  - VFD with pump rotation
  - Illuminated, 3-position HOA switches
  - Resettable Circuit Breakers
  - Display
    - 8.4 Inch, Color Touch Panel Display
    - Ethernet port for VNC Connectivity
  - PLC (Programmable Logic Control)
    - Ethernet-ready PLC Control Package
  - Lake Level Safety
    - Low Level Shut Off (Float)

(continued on back)

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(1) Refer to pump performance curves, provided upon request from pumps@rainbird.com
Optional Features

- **Main Pumps**
  - SS or NiAl Bronze Impellers
  - SS or NiAl Bronze Bowls
- **Pressure Maintenance**
  - 3 or 7.5 HP PM pump – Submersible
- **Motors**
  - Premium Efficiency Motors
- **Mechanical Feature**
  - Well Service Valve (requires larger deck)
- **Pressure / Flow**
  - Magnetic Flow Meter
- **Pump Control**
  - VPM (VFD Per Motor)
- **Display**
  - 4 Line Monochrome Touch Screen

- **Panel Only**
  - Electrical Panel only (for retrofits)
- **Communications**
  - Ethernet Radio Modem Kit
  - Hardwire Ethernet Extender kit

Accessories

- **Filters**
  - 12” Wye Strainer Filter (1/8” openings)
  - 8 or 10” Auto Backwashing Filter (250 µ)
  - 8 - 12” Suction Scanner I-Series (300 µ)
- **Intake Filters**
  - SS Steel Box Screen
  - SS Self Cleaning Intake Screen
- **Enclosures / External Connections**
  - Air Conditioning on Electrical Cabinet
  - 5 KW room heater
  - Power Zone (120 VAC or 220/240 VAC)
  - Custom Zee Pipe
- **Lake Level Control**
  - Lake Level Controls (Float or Analog)

Details

Profile View (with I Series Filter Option)

Side View

Plan View