

# EVERLAST™ Series Hi-Head Wet Well Mounted Pump Station



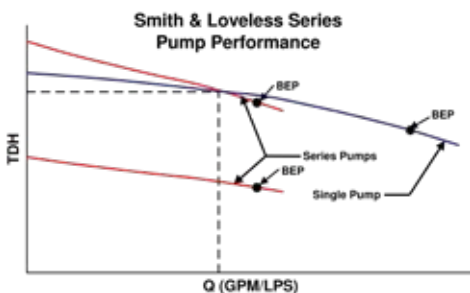
Smith & Loveless Inc.



The effective and economical choice for applications with high head



Series Pump Stations can be custom-designed to match a variety of pump sizes, impellers, and custom enclosure options.



For applications with a high static head, a long force main or combination of both, the Smith & Loveless **EVERLAST™** Series Hi-Head Wet Well Mounted Pump Station (WWMPS) is the answer.

Each series pump set will provide the design flow at twice the total dynamic head of each pump. Less connected horsepower than single, higher-head pumping units results in lower power costs and the ability to use a smaller generator.

The Series WWMPS is completely factory-built and tested prior to shipment and installation and designed for flows up to 5,000 GPM (315 lps) and TDH requirements up to 500' (152 m).

## Series Benefits

- **Less connected horsepower** than single, higher-head pumping units
- **Smaller generator required** because of lower power in-rush and reduced surcharges from electrical utilities
- **Reduced installation costs** because smaller diameter force mains can be used
- **Increased capacity** without replacing existing force main
- **Lower power costs** with series pump operating closer to Best Efficiency Point (BEP)
- **Easier maintenance** because of smaller sized pumps compared to the larger-sized single units

# Pump Excellence: The S&L Non-Clog Pump

The design philosophy behind the S&L Pump engenders hassle-free maintenance, energy savings and long-lasting, reliable operation. This performance yields tremendous dollar savings for utilities and end-users striving to responsibly manage their equipment assets and promote beneficial life-cycle costing. Exclusive S&L Pump features include oversized shafts and bearings, full diameter shrouds, registered fit parts for close tolerances, and options for immersible and premium efficient motors.



Smith & Loveless Vacuum Primed Pump with SONIC START® STREAMLINE™ Prime Sensor

## S&L Pump Advantages

- Solid stainless steel oversized shaft won't rust extending shaft and seal life
- Oversized bearings for long life
- Tapered shaft for easy impeller removal
- Higher pump efficiencies
- Designed specifically for vacuum priming
- SONIC START® STREAMLINE™ Prime Sensor

## System Features

### 1 Control Panel

Panel design increases operator safety and simplifies service.

### 2 Plug Valve

Easy operation and positive seal for individual pump isolation.

### 3 Fiberglass Hood

Provides long-term protection and instant access for inspection.

### 4 Suction Line

Wet well contains float switches and/or transducer. All pump equipment above grade.

### 5 S&L Pumps

Highest efficiency. Heavy duty for long life and reliability.

### 6 Check Valves

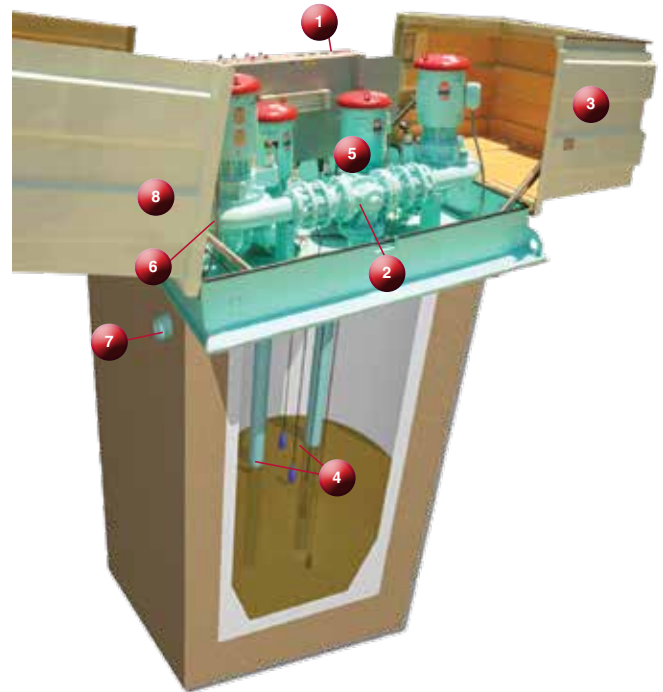
Spring-loaded, non-slamming check valves with external-arm design and pump failure sensors.

### 7 Discharge Pipe

Compression type coupling provides for ease of installation and flexibility.

### 8 Ventilation - Heating

High capacity, low noise level blower, a thermostatically controlled electric heater with optional insulated hood.



## Series WWMPs Design Data

### Design Data

- Pumps: 4"-12" / 100-300 mm
- Piping: 4"-18" / 100-450 mm
- Horsepower: 1.5 - 300 HP
- Max. Ind. Pump Capacity: 5,000 gpm / 315 lps
- Max. TDH Capacity: 500 ft. / 152 m
- Wet Well Diameters: 6-12 ft. / 1.8-3.6 m

### Station Options

- Multiple Control Options, Including PLC
- Multiple Alarms
- DURO-LAST™ Stainless Steel Baseplate
- Concrete or Steel Wet Wells
- Cold Climate Packages
- Multiple Enclosure Options