

# AquaGenix\* Horizontal Pumping Systems



Certified to NSF/ANSI/CAN 61

Levare offers fit-for-purpose and efficient clean water Horizontal Pumping Systems technology, products, and services that minimize costs and maximize return on investment

## Applications

- Potable Water Production
- Pipeline boosting
- Process water transfer

## HPS GPL Key Features

- Client focused designs
- Standard BPO (Back Pull Out) design
- Adaptable HPS bench
- Multistage pumps
- Flowrates to 1,779 gpm
- Minimal system maintenance
- Minimal noise and vibration

Horizontal pumping systems (HPS) are a low capital and cost-effective technology of choice for fluid transfer and water injection applications. Modular design and a single, low-pressure mechanical seal make Levare HPS units reliable, efficient and easy to maintain and re-rate. Readily available components simplify retrofitting with other manufacturers' systems.

Levare designs and fabricates innovative HPS to provide specific solutions to clean water service applications.

We offer greater flexibility for your clean water pumping needs and take added measures to provide the following:

- 24-hour technical field service
- Maintenance programs for all HPS units and components
- Maximized use of surplus inventory
- Site-ready delivery of all units

### 1. Pump

Standard flow offering of 75-61,000 bpd (12-9,693 m<sup>3</sup>/d)

Pump diameters range 4" - 10.50"

Standard tungsten carbide bearing and sleeves for abrasion wear

Material: standard Type 1 Ni-Resist

Other: alternate material available upon request

Build types: SA, TA, XA

### 2. Motor

100 - 2,000 hp motors 2-pole electric 3,600 rpm

Options include TEFC, WPIL, sleeve or ball bearing

Special features: bearing winding RTDs and space heaters

### 5. Mechanical Seal

Standard single bellow seals type 2

Available in single and dual cartridge seals

Flush plans as per customer applications/request

### 3. Balanced Twin Disc Spacer Coupling

Eliminates vibration

Zero maintenance required

Easy spacer removal for equipment servicing

### 6. Intake Flange

Solid constructed machined intake - standard 316 SS - 150 - 900 ANSI RF

Alternative materials and class sizes available for pressure up to 3,000 psi  
Accommodates all seal applications

### 4. Thrust Chamber

Modular load design

Two to four bearing style or tilt pad bearing style with cooler offered as required

Longest industry run life

Back pull out for quick seal changes

Minimal maintenance required

### 7. Rigid Skid Structure

Most rigid skid in the industry

All skids are engineered and custom built as per application

All lifting points are built into the skid

### 8. Discharge Flange

Standard 316 SS from 300-2500 ANSI RF or RTJ

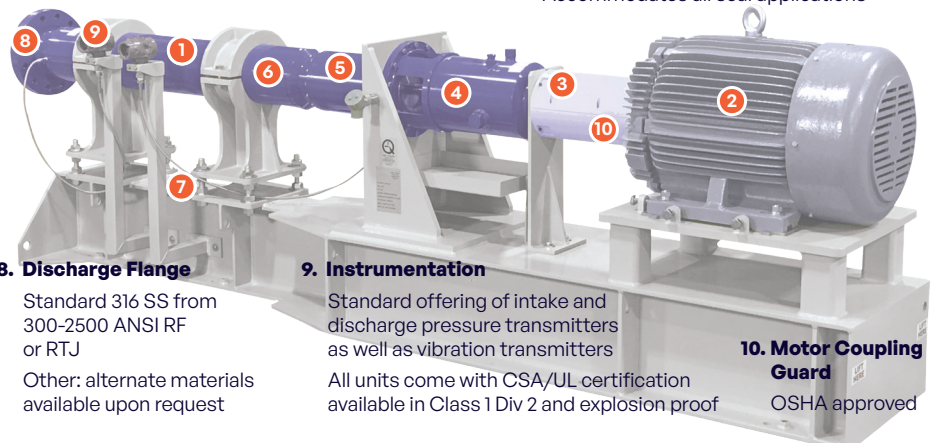
Other: alternate materials available upon request

### 9. Instrumentation

Standard offering of intake and discharge pressure transmitters as well as vibration transmitters

All units come with CSA/UL certification available in Class 1 Div 2 and explosion proof

**10. Motor Coupling Guard**  
OSHA approved



# Patented Low Pro Mini HPS

The best solution for small applications with zero maintenance

## Features

- Conventional efficient ESP pump design
- Motor direct coupled to pump
- Pump thrust load carried by the motor bearing
- Standard single or dual cartridge seals
- Standard Intake 3" or 4" 150 ANSI 316 SS
- Standard instrumentation mounted on the skid including: suction and discharge transmitters, vibration transmitter
- All CSA/UL and Class 1 Div 2 or explosion proof

## Benefits

- Thrust-chamberless system
- Maintenance free
- Economical low-profile solution
- Quick delivery

