



CAPSULAR[®]

Underground Pump Stations

- Highest Efficiency
- Safest O&M
- Most Reliable
- Lowest Total Costs

QUICK SMART[™] System Controls

Delivering simplified operation yet powerful pump station control, QUICKSMART[™] PLC Station Controls provide unparalleled ability to monitor and adjust all of your pump station functions. The user-friendly, graphical touchscreen makes control modifications, screen navigation and viewing of pump station status easier and smarter than ever. Features include a push-notification maintenance log and I/O Status (digital and analog).



Brochure No. 612 © 2021, Smith & Loveless Inc.



CAPSULAR[®]

Underground Pump Stations



Smith & Loveless Inc.
www.SmithandLoveless.com

Phone: (913) 888-5201
Fax: (913) 888-2173

14040 Santa Fe Trail Dr.,
Lenexa, KS USA 66215-1284

A Wise Investment for Large Flow Underground Pumping

Large Flow Underground Pump Station Designed for Continuous Human Occupancy

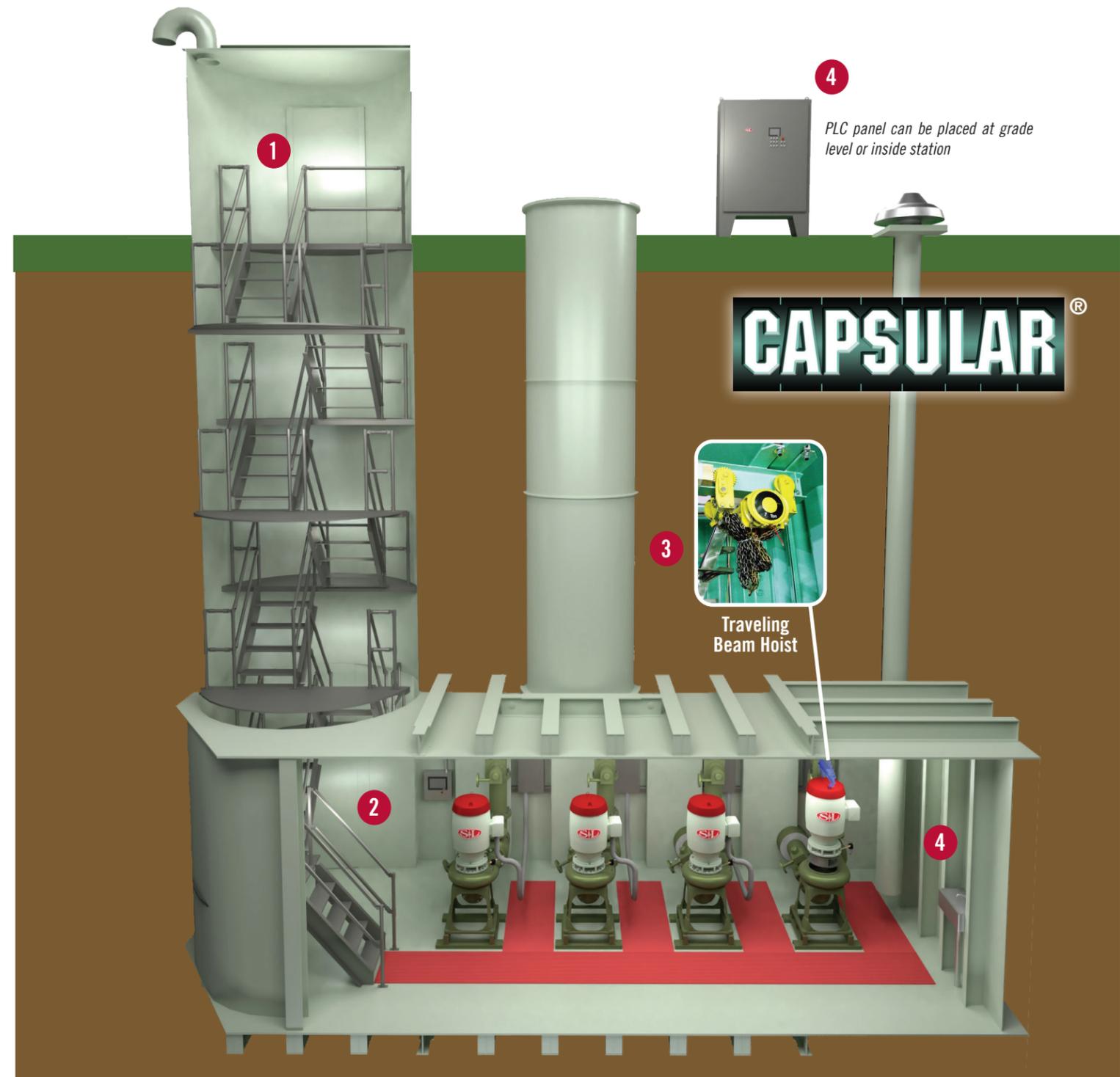


The **CAPSULAR**® Underground Pump Station provides an operator-friendly and economical solution for large-flow pumping (with multiple S&L Non-Clog Pumps) up to 20,000 GPM / 1,262 lps when compared with more expensive concrete, built-in-place stations. With exclusive Safe-Stair entryway module and integrated HVAC, the pump station design meets the OSHA definition of “designed for continuous human occupancy” and therefore does not require classification as *confined space entry*.

The **CAPSULAR**® features simplified-yet-powerful S&L **QUICKSMART**™ Touchscreen Controls and a spacious interior offering a variety of user-options including shelving, workdesks, sinks and storage. The station is pre-engineered and fabricated in the S&L factory, allowing for simple installation and future flow capacity increases via adaptation of additional pumps or larger rotating assemblies.

FEATURES:

- 1 Factory Built Safe-Stair Entry Module**
provides safe and easy access to the station with a stairway similar to those found in most public buildings, reducing operator hazards
- 2 Spacious Interiors w/ Integrated HVAC**
enables continuous human occupancy to safely inspect equipment with a minimum of 30 air changes per hour (no confined space entry)
- 3 Maintenance Lift and Traveling Beam**
simplifies removal and/or addition of pumps via traveling beam hoist system for routine maintenance and/or capacity increases
- 4 PLC Controls & Options**
features advanced QUICKSMART™ Touchscreen Controls (at grade or inside the station) for the best operator experience



Design Data & Options

Flow Rate:

- 75 gpm - 20,000 gpm (28.8 mgd)
- 5 lps - 1,280 lps

Head Conditions:

- Single Stage: 370 ft. / 113 m
- Multiple Stages: 500 ft. / 152 m

Options:

- Pump Sizes: 4" - 12" / 100 mm - 300 mm
- Three or more S&L Pumps per station / **I-SERIES**™ Immersible Pumps available
- Safe-Stair Entry & Maintenance Lifts
- Soft Starts and Variable Frequency Drives (VFDs)
- **QUICKSMART**™ Programmable Logic Controls
- Multiple Shell Configurations with Built-In Desks, Shelves and Sinks



Interior HVAC

Building / Enclosures

Water Basins / Drains

Design for Future