

Parabola® Light VFD Panels are advanced pre-engineered simplex control panels with a user-friendly touchscreen HMI controller. These control panels are designed to control three phase pumps in constant pressure or pressure boosting applications.

Features

- Variable frequency drive operation with configurable parameter settings via HMI
- Single phase or three phase voltage supply, controls three phase 208/240/480VAC pump
- Drive Protection: VFD offers output phase loss, input phase loss, IGBT overheating, overspeed, oversupply, and overcurrent
- NEMA type 1 enclosure: Heavy duty polycarbonate with stainless steel lockable latches
- Stainless steel pressure transducer 0-300 PSI, 1/4" NP, 4-20mA output included
- Fan and thermostat included on 7.5 to 20 HP models
- UL 508A listed
- Two-year limited warranty



Call us toll-free at 888.733.9283 to speak with one of our expert Sales Engineers!

Applications

- Commercial Pressure Booster Systems
- Booster Pumps
- Deep Well Submersible Pumps
- Irrigation Pumps



Program/HMI

- Constant pressure operation with adjustable PID settings
- Multiple access levels for added security
- HMI touchscreen display features: Hand-Off-Auto (H.O.A.) switch, pump run indicator, pump fault indicators, pump and pressure status screens



951.487.8073 / 888.733.9283

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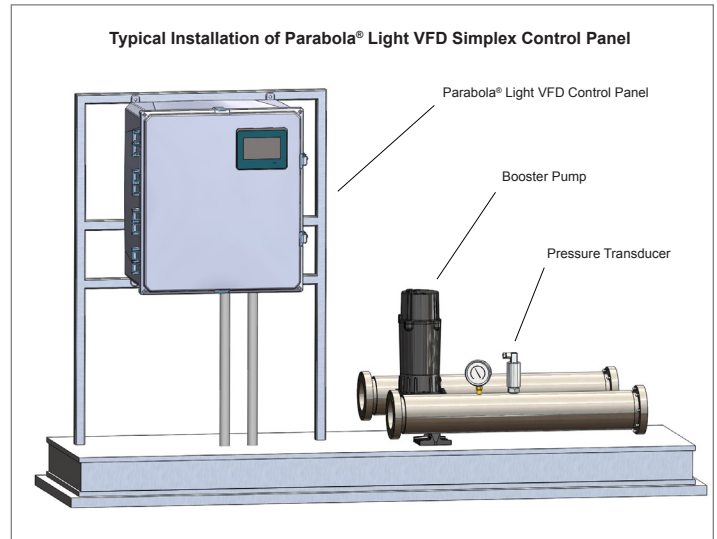
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Single Phase Input, Three Phase Output 208/240VAC

Model	Input Line Voltage	Three Phase Motor HP
PLS1P1	Simplex Single Phase 208/240VAC	1.5
PLS1P3	Simplex Single Phase 208/240VAC	3
PLS1P5	Simplex Single Phase 208/240VAC	5

Three Phase Input, Three Phase Output 208/240/480VAC

Model	Input Line Voltage	Three Phase Motor HP
PLS3P5	Simplex Three Phase 208/240VAC	5
PLS32P7	Simplex Three Phase 208/240VAC	7.5
PLS32P10	Simplex Three Phase 208/240VAC	10
PLS32P15	Simplex Three Phase 208/240VAC	15
PLS32P20	Simplex Three Phase 208/240VAC	20
PLS34P7	Simplex Three Phase 480VAC	7.5
PLS34P10	Simplex Three Phase 480VAC	10
PLS34P15	Simplex Three Phase 480VAC	15
PLS34P20	Simplex Three Phase 480VAC	20



Custom Options

Option(s)	Description
LAD/LAW	Lightning Secondary Surge Arrestor
SS4	Upgraded Enclosure (304 Stainless Steel)
SS6	Upgraded Enclosure (316 Stainless Steel)

Overview

The HMI's main menu displays live pump data and H.O.A. switch. This menu is the user's command center.

PSI Overview

Check the current PSI. Adjust the PSI set point to optimize efficiency.

Speed Parameters

Adjust the minimum and maximum frequency, acceleration, deceleration, and the Hand frequency of the VFD.

Motor Parameters

Adjust the current, speed, frequency, and other parameters of the motor.

PID Parameters

Adjust the PID parameters, including: proportional, integral, derivative, low speed, timeout, and deadband.