

See Water's Parabola® variable frequency drive (VFD) control panels are advanced pre-engineered simplex, duplex, and triplex control panels with a user-friendly HMI control interface; these control panels are designed for level, constant pressure, or commercial pressure boosting applications. Our pre-engineered Parabola® control panels are UL listed for the United States and Canada, and they come standard with a two-year limited manufacturer's warranty.

System Hardware

- Single or three phase voltage supply, designed to control 208/240/480VAC pump(s)
- Upgraded pump protection: Motor protective switch(es) (Branch circuit protection, adjustable overload and disconnect)
- Remote monitoring dry contacts: High/low level alarms, summary alarm/fault (Normally Open)
- NEMA 3R rated enclosure: Painted steel with lockable front door and through door main disconnect
- 7" screen with 800x480 resolution and a resistive film touch panel
- Supports Modbus RTU/TCP, BACnet® IP/MSTP, and additional communication protocols. Allows for master and slave operation, remote monitoring and control of the pump station

Applications

- **Pump Down:** Lift stations, sewage pumps, grinder pumps, sump pump basins, wastewater applications, other dewatering applications
- **Constant Pressure:** Irrigation systems, chemical feed systems, cooling towers, commercial pressure boosting systems, building water supply systems

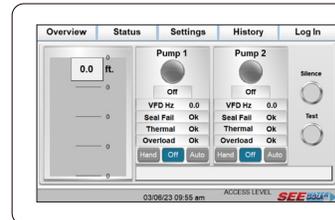


Program/PLC/HMI

- Selectable alternation pattern: Cycle or timed
- Multiple access levels for added security
- Adjustable set points:
 - Simplex: Low Level, Stop, Start, High Level (Adjustable lead pump start and stop set points)
 - Duplex: Low Level, Stop, Lead, Lag, High Level
- Optional feature: Pump down constant level management PID loop
- Pump run data logging: Records each pump event - start time, stop time, and run duration
- Flip switch for transducer and float mode
- Simple transducer calibration setup
- Backup float override operation: User-configurable feature that automatically switches to float-based operation in the event of a transducer error
- No flow protection: User-configurable feature that inhibits pumping during no flow conditions

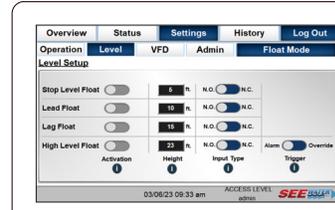


Info Guide



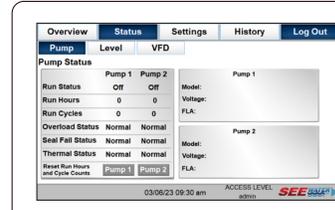
Overview

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



Level Setup (Float)

Users can easily setup the Stop, Lead, Lag, and High Level float heights and input types using toggle switches.



Pump Status

Status of all processes. Users can view Run Status, Run Hours and other information associated with the pump operation.

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Catalog Model Number Build

Type	Models		
P <input type="checkbox"/> ---	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	---
S = Simplex	M2C = Single Phase Input, 208/240V -> Three Phase Output, 208/240V	07 = 1 HP	40 = 5 HP
D = Duplex	M3C = Three Phase Input, 208/240V -> Three Phase Output, 208/240V	11 = 1.5 HP	55 = 7.5 HP
T = Triplex	N4C = Three Phase Input, 480V -> Three Phase Output, 480V	15 = 2 HP	75 = 10 HP
		22 = 3 HP	85 = 15 HP
		30 = 4 HP	95 = 20 HP
			105 = 25 HP

Sensor Options

<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> ---	
5	= Level Transducer, 5 PSI, Maximum Water Level 11 ft., Type: Wastewater
10	= Level Transducer, 10 PSI, Maximum Water Level 23 ft., Type: Wastewater
15	= Level Transducer, 15 PSI, Maximum Water Level 35 ft., Type: Wastewater
20	= Level Transducer, 20 PSI, Maximum Water Level 46 ft., Type: Wastewater
38	= Simplex Float Operation
39	= Duplex Float Operation
40	= Triplex Float Operation
CPB	= Pressure Transducer Stainless Steel, Range: 0-300 PSI, 4-20mA, 1/4" NPT

Custom Options

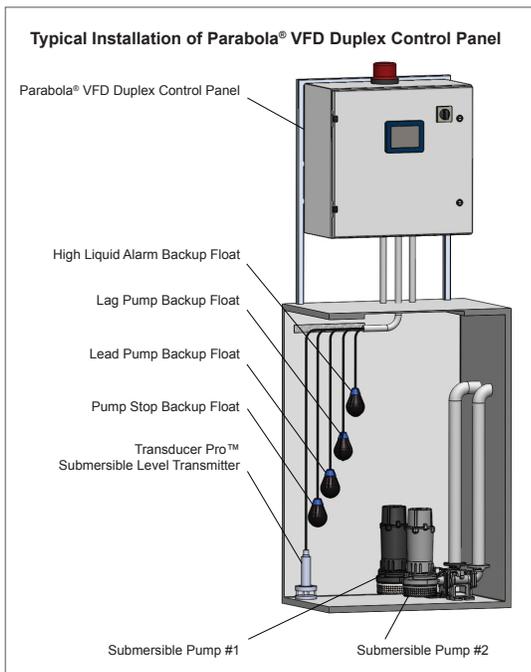
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
28	= Power On Dry Contact (Normally Open)
AH	= Anti-Condensation Heater
CO	= Convenience Outlet (User to Supply 120VAC)
GR	= Generator Receptacle, Includes Transfer Switch
IS*	= Intrinsically Safe - Simplex (Float Operated System)*
ISD*	= Intrinsically Safe - Duplex (Float Operated System)*
IST*	= Intrinsically Safe - Triplex (Float Operated System)*
LAD/LAW	= Lightning Secondary Surge Arrestor (LAD Delta / LAW Wye)
PM	= Phase Monitoring
PX**	= Pump Portal® Wireless Remote Panel Control & System Monitoring**
S3	= No Transducer or Float Option
SF	= Seal Failure Circuit and Indicator - Simplex
SFD	= Seal Failure Circuit and Indicator - Duplex
SFT	= Seal Failure Circuit and Indicator - Triplex
SS4	= Upgraded Enclosure (304 Stainless Steel)
SS6	= Upgraded Enclosure (316 Stainless Steel)

Note: All level operation Parabola® systems with transducers will come standard with backup floats.

Note: To order a constant pressure system, add CPB- to the front of the part number. All CPB (Pressure boosting models) come standard with a Steel Pressure Transducer 0-300 PSI, 1/4" NP, 4-20 mA output.

**To include an intrinsically safe transducer, please contact us for pricing.*

***Additional fee will apply for monthly or annual subscription.*



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