



**Leading Manufacturer of
PRE-PACKAGED PUMP SYSTEMS**

Introducing the Future of LANDSCAPE IRRIGATION

Architects and landscape designers who specialize in landscape development and irrigation prefer pump systems that are more compact, operate at lower flow and pressure rates and that are considerably more affordable than the larger, industrial irrigation pump stations. Until now, there have been very few cost effective options.

The Right Product at an Affordable Price:

To accommodate these specialized needs of the residential landscape industry, PPS has developed two commercial grade irrigation pump options designed to meet the demands, specifications and budget required by architects and landscape designers nationwide.

- Compact, all-in-one, pre-packaged pump station
- Built with industry leading components and innovative technology
- Exceeds the capabilities of residential and light commercial pump systems
- Redundant safeties
- Innovative and easy to use controls
- Industrial grade parts and components
- Stainless steel pumps, piping, and sensors
- Typically ships within 72 hours
- All at an affordable price

10-20GPM @ 30-40PSI / 120V and 240V 1 phase
208, 240, & 480V 3 phase
Pump and motor mounted on a poly base
with a VFD and includes:

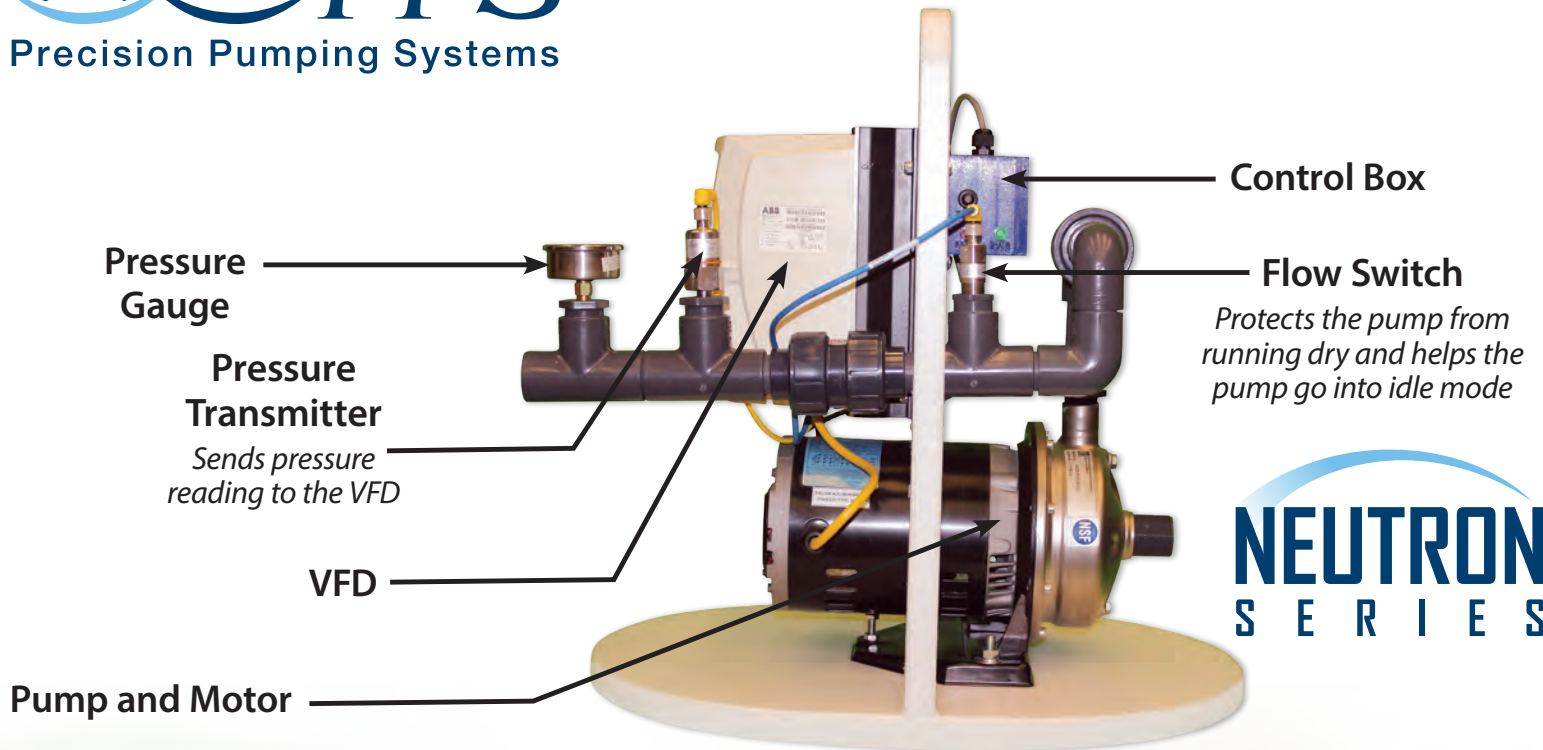
- Flow Switch
- Pressure Transmitter
- Check Valve
- Pressure Gauge
- Variable Frequency Drive
- Stainless Steel End Suction Pump

NEUTRON
S E R I E S



100%
corrosion
resistant
components





INDUSTRY LEADING WARRANTY

PPS warrants that its products and systems will be free from defects in material and workmanship for a period of 16 months from the date of placing the equipment in operation or forty (40) months from the date of completion of manufacture of the equipment, whichever shall occur first.

Parts and Components	PPS Greenhouse Irrigation Solution	Residential/Light Commercial Pumps
Project Specific Programming	✓	
Industrial Grade Pump & Motor	✓	
Constant Duty Components	✓	
Repairable Pumps	✓	
Standard Off the Shelf Repair Parts	✓	
Industry Standard Brands	✓	

USA Pride in Craftsmanship



Innovative Smart Controls



Pre-Tested & Ready to Install



Built to Last a Lifetime



For more information on PPS pump systems:
GoPPS.us • 208.323.5300

BOOSTER PUMP

DESIGNED FOR ON-STRUCTURE LANDSCAPING

- Engineered for long-term reliability
- Innovative, easy to use touchscreen
- Unlimited, personalized technical support
- Remote control and monitoring available



Booster Pump Information

15-20GPM @ 80PSI with a Vertical Multi Stage Pump OR 30 - 70 GPM with @ 40 PSI with a End Suction Centrifugal Pump - motor mounted on a poly base with a VFD and includes:

- Flow Switch or NMP Insertion Flow Meter
- Pressure Transmitter
- Check Valve
- Pressure Gauge
- Variable Frequency Drive
- Stainless Steel Vertical Multi Stage Pump

**100%
corrosion
resistant
components**

APPLICATIONS

Pressure Boosting

SITE APPLICATIONS

Green Roof, On-Structure Landscape Irrigation, Greenhouse, and more

NEBULA vs. COMPETITION

Parts and Components	PPS Greenhouse Irrigation Solution	Residential/Light Commercial Pumps
Stainless Steel Piping	✓	
Plastic Mechanical Components		✗
Project Specific Programming	✓	
Industrial Grade Pump & Motor	✓	
Constant Duty Components	✓	
Repairable Pumps	✓	
Standard Off the Shelf Repair Parts	✓	
Industry Standard Brands	✓	



**NEBULA
S E R I E S**

Pride in Craftsmanship

- Family owned & operated for more than 45 years
- All PPS products are tested & certified for exceptional quality
- Designed, engineered & manufactured in the USA



Innovative Smart Controls

- User friendly color touch screen operation
- System redundancy throughout for 100% operational backup
- Monitor system performance and operation history from anywhere



Ships in 72 Hours/Easy to Install

- Super fast delivery—typically ships within 48 to 72 hours
- Completely assembled, pre-wired, tested and ready to install
- Forklift-ready for lifting—just place it, connect it and pump



Designed to Preserve & Protect

- Fully enclosed and protected internal electronics
- Durable marine grade aluminum enclosure construction
- Stainless steel piping



Advanced Keyboard

for easy control and operation

Variable Frequency Drive (VFD)

Controls the speed of the motor to maintain constant output pressure and varying flows

NEBULA S E R I E S

Service Rated External Disconnect

Single point of connection for incoming power

Motor

Pressure Gauge

Pressure Transmitter

Sends pressure reading to the VFD

Flow Switch

Protects the pump from running dry and helps the pump go into idle mode

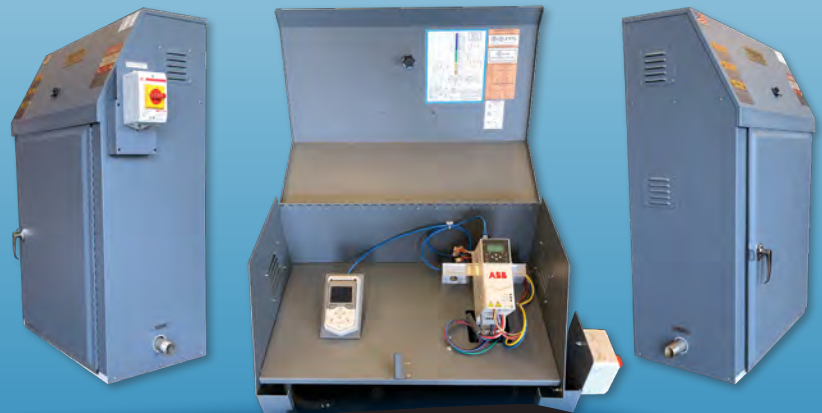
Pump

Check Valve

DESIGNED FOR ON-STRUCTURE LANDSCAPE IRRIGATION

Architects and landscape designers who specialize in on-structure landscape development and irrigation require pump systems that are more compact, operate at lower flow and pressure rates and that are considerably more affordable than larger, industrial irrigation pump stations. To accommodate the specialized needs of the on-structure landscape industry, PPS has developed the NEBULA Series. A commercial grade irrigation pump system designed to meet the demands, specifications and budget required by on-structure architects and landscape designers nationwide.

- Compact, all-in-one, pre-packaged pump station
- Built with industry leading components and innovative technology
- Exceeds the capabilities of residential and light commercial pump systems
- Redundant safeties
- Innovative and easy to use controls
- Industrial grade parts and components
- Stainless steel pumps, piping, and sensors
- Typically ships within 72 hours
- All at an affordable price



For more information on PPS pump systems:
GoPPS.com • 208.323.5300

 **PPS**
Precision Pumping Systems

FAMILY-OWNED
SINCE 1972
AND OPERATED

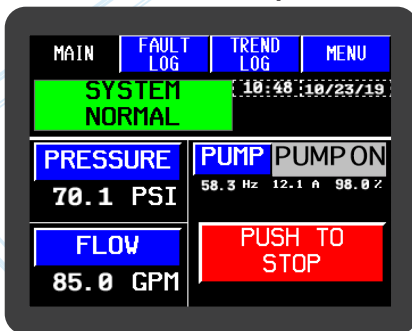
BOOSTER PUMP

COMPACT • ALL-IN-ONE • PRE-PACKAGED PUMP SYSTEM

- Engineered for long-term reliability
- Innovative, easy to use touchscreen
- Unlimited, personalized technical support
- Remote control and monitoring available



Color Touch Screen Operation



Booster Pump Information

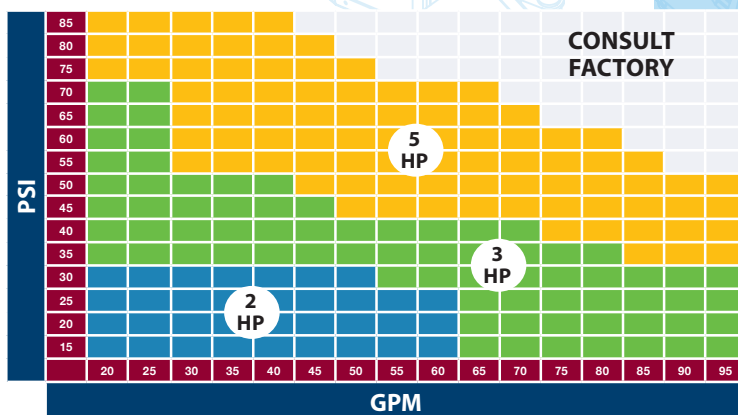
APPLICATIONS

Pressure Boosting
Suction Lift
Flooded Suction

SITE APPLICATIONS

Parks, Schools, Housing
Developments, Sports Fields,
Residential and Commercial

Booster Pump Performance Range



Pride in Craftsmanship

- Family owned & operated for more than 45 years
- All PPS products are tested & certified for exceptional quality
- Designed, engineered & manufactured in the USA



Innovative Smart Controls

- User friendly color touch screen operation
- System redundancy throughout for 100% operational backup
- Monitor system performance and operation history from anywhere



Ships in 72 Hours/Easy to Install

- Super fast delivery—typically ships within 48 to 72 hours
- Completely assembled, pre-wired, tested and ready to install
- Forklift-ready for lifting—just place it, connect it and pump

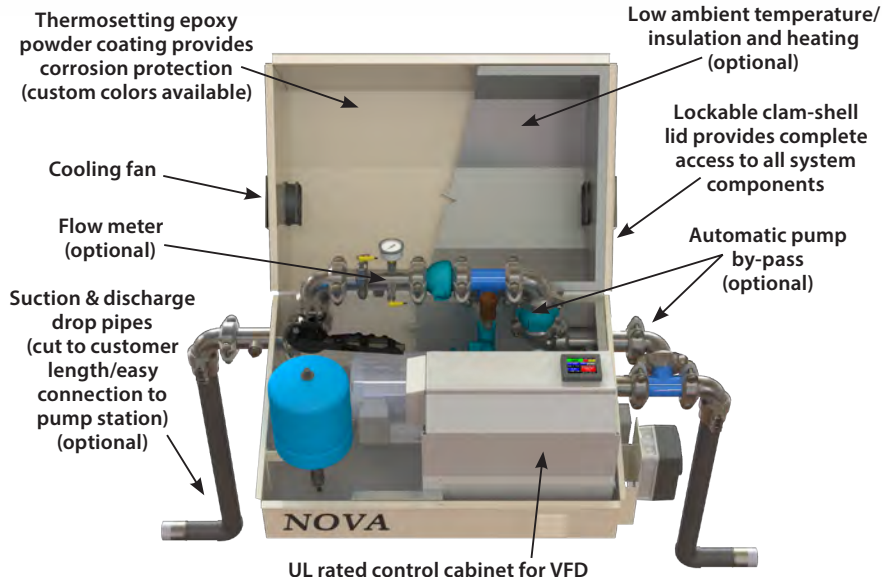
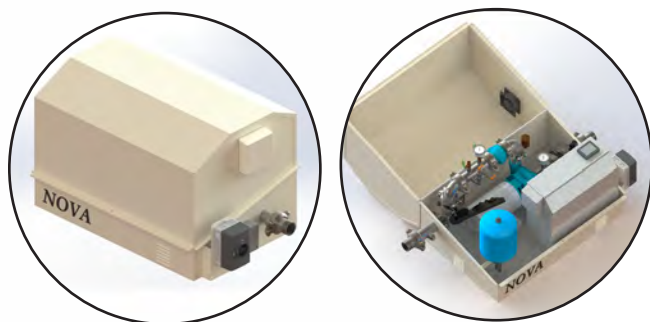


Designed to Preserve & Protect

- Fully enclosed and protected internal electronics
- Durable marine grade aluminum enclosure construction
- Stainless steel piping



NOVA S E R I E S



NOVA vs. COMPETITION

	NOVA by PPS	WATER- TRONICS	RAINBIRD	MUNRO	BARRETT
Color Touchscreen Interface	✓	X	X	X	X
UL QCZJ Listed	✓	✓	X	✓	X
Standard Powder Coated Enclosure	✓	X	X	✓	X
Intake and Discharge Isolation Valves	✓	Discharge Only	Discharge Only	Discharge Only	Discharge Only
Check Valve	✓	X	X	X	✓
Warranty	3 year	2 year	1 year	2 year	1 year
480V Model	✓	X	✓	✓	✓
Variable Frequency Drive	✓	✓	✓	✓	✓
Marine Grade Aluminum Enclosure	✓	✓	✓	✓	✓
Multiple Pump HP Options	✓	X	✓	X	✓
Programmable Logic Controller	✓	X	X	X	X

Additional features exclusive to the NOVA booster pump series:

Pressure Tank • 24/7 Phone Tech Support • Easy to use Start Up Wizard • Optional Heating and Insulation
Optional Automatic Priming Pump for Suction Lift Applications • Available in custom colors

For more information on PPS pump systems:
GoPPS.us • 208.323.5300


Precision Pumping Systems

FAMILY-OWNED
SINCE 1972
AND OPERATED

NOVA S E R I E S

Lockable
Marine
Grade
Aluminum
Enclosure

**A complete, variable speed
pumping system engineered
for light industrial and
commercial applications.**

Pressure
Gauge

Flow Switch

Pressure Sensor

2" MPT
Connection
(Suction &
Discharge)

1" Blow Out

Isolation Valve

Vent/Drain

Pressure Tank

Optional 2" HDPE Drop Pipe
for Suction and Discharge
• Customer Cut to Length
• Easy Connection to Pump Station

Exhaust Fan

Check Valve

Air Relief

Pump

Combo
Pressure
Gauge

Isolation
Valve

Touch
Display

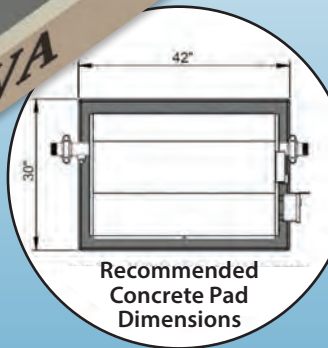
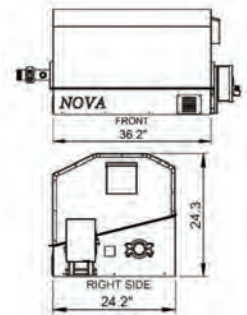
VFD Case

Nema 3R
Disconnect

VFD
Access
Cover

Exhaust Fan

Dimensions



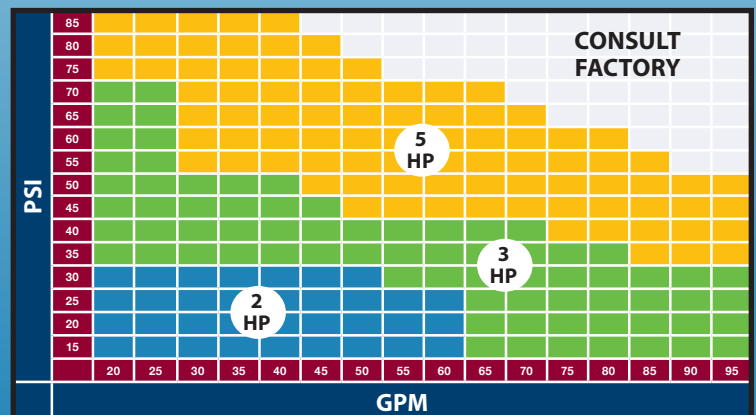
Specifications

System Type	Variable Speed, End-Suction Centrifugal
Applications	<ul style="list-style-type: none"> • Pressure Boosting • Suction Lift • Flooded Suction
Electrical Input*	<ul style="list-style-type: none"> • 208 Volt/3 Phase/60 Hz • 240 Volt/1 Phase/60 Hz • 240 Volt/3 Phase/60 Hz • 480 Volt/3 Phase/60 Hz
Flow Range	20-95 GPM
Boost Pressure	15-85 PSI
Horsepower	1, 2, 3, & 5 HP

*Contact PPS for non-standard input power.

208V/3Ø	
HP	MAX FLA
2 & 3 HP	16A
5 HP	24A
240V/1Ø	
HP	MAX FLA
2 & 3 HP	24A
5 HP	36A
240V/3Ø	
HP	MAX FLA
2 & 3 HP	14A
5 HP	21A
480V/3Ø	
HP	MAX FLA
2 & 3 HP	7A
5 HP	11A

Booster Pump Performance Range



CONTROLLER FUNCTIONS

Complete Automation

- Automatic start based on pressure drop or remote start relay.
- Maintains constant pressure at variable flows.
- Pump automatically enters sleep mode when demand stops and pressure setpoint is maintained.

System Protections

- Dry Run
- Low Suction Pressure, High Discharge Pressure
- High Flow, Low Flow
- Electrical Protections, including phase, voltage, current

Start-Up Assistant

- VFD programming for the motor
- System Sensor Activation & Calibration
- Operational Settings
- Discharge Pressure Setpoint
- Pump Sleep Settings

Troubleshooting Assistant

- System Alarms & Faults, Sensor Issues, & VFD/PLC Communication issues.

Password Protection

- For operator configurable settings
- Create New User, Operator, and Guest Accounts, with access limitations.

Fault Log

- Alarm History with Time and Date

Trend Log

- Records and analyzes critical system data, including discharge pressure, flow rate (if equipped with flow sensor), VFD frequency, and motor data.

Operator Log

- Records changed settings, and which operator changed them.
- Timestamped (Date & Time)

CONTROLLER PRIMARY COMPONENTS

Variable Frequency Drive (VFD)

- UL Listed, efficient VFD provides precise pressure control.

PLC/HMI

- CPU Module, with 3.5" Full color touchscreen, & Ethernet Port NEMA 3R Rated Disconnect Switch
- Padlockable disconnect switch with circuit-breaker protection.



MECHANICAL COMPONENTS

Heavy Duty Pump & Motor

- Horizontal end-suction centrifugal pump, with mechanical seal, cast iron casing, and precision machined impellers.
- Premium efficient, open-drip proof motor.

Silent Check Valve

- Silent dual-disc check valve with grooved connection prevents reverse flow.

Butterfly Isolation Valves

- Grooved butterfly type with 10 position indicator to isolate the system for winterization/maintenance.

Air Relief Valve

- Continuously acting air relief valve releases entrained air.

Pressure Tank

- 2 gallon diaphragm type pressure tank stabilizes system pressure and prevents pump from short cycling.

Piping & Connections

- 304 Stainless Steel piping provides superior corrosion resistance.
- Grooved connections and fittings for easy disassembly for winterization and maintenance.
- 2" MPT station suction and discharge piping for quick connection to onsite piping network.
- Optional HDPE Drop-pipes, with 2" MPT connection for quick tie-in piping network.

INSTRUMENTATION

Pressure Gauges

- Liquid filled, stainless steel pressure gauges provide accurate readings of both suction and discharge lines.

Pressure Transmitter

- Stainless steel pressure transmitter continuously measures system discharge pressure and transmits 4-20mA signals to the system controller.

Flow Switch

- Compact type, stainless steel flow sensor detects system flow, providing switching signals to the system controller.

Flow Sensor (Optional)

- Non-magnetic, insertion type flow sensor detects and transmits flow rate to station controller.

MARINE GRADE ALUMINUM ENCLOSURE

- Protects the station from intruders and the elements.
- Low profile, compact design.
 - Houses all components in an aesthetically pleasing enclosure.
- Custom colors available to suit the local environment.
- Lockable clamshell lid provides complete access to all system components.
- Thermosetting epoxy powder coating provides corrosion protection.

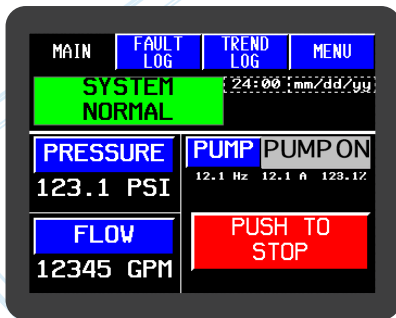
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- Innovative, easy to use touchscreen
- Unlimited, personalized technical support
- Remote control and monitoring available



Color Touch Screen Operation



Booster Pump Information

APPLICATIONS

Pressure Boosting
Suction Lift
Flooded Suction

SITE APPLICATIONS

Parks, Schools, Housing
Developments, Sports Fields,
Residential and Commercial

SuperNOVA vs. COMPETITION

	Super NOVA	WATER-TRONICS	RAIN BIRD	MUNRO	BARRETT
Color Touchscreen Interface	✓	Optional	X	X	X
UL QCSZ Listed	✓	✓	X	✓	X
Standard Powder Coated Enclosure	✓	✓	X	✓	X
Intake & Discharge Isolation Valves	✓	✓	Discharge Only	Discharge Only	Discharge Only
Check Valve	✓	✓	X	X	✓
Warranty Years	3	2	1	2	1
Variable Frequency Drive	✓	✓	✓	✓	✓
Marine Grade Aluminum Enclosure	✓	✓	✓	✓	✓
Programmable Logic Controller	✓	✓	X	✓	X



Pride in Craftsmanship

- Family owned & operated for more than 45 years
- All PPS products are tested & certified for exceptional quality
- Designed, engineered & manufactured in the USA



Innovative Smart Controls

- User friendly color touch screen operation
- System redundancy throughout for 100% operational backup
- Monitor system performance and operation history from anywhere



Ships in 72 Hours/Easy to Install

- Super fast delivery—typically ships within 48 to 72 hours
- Completely assembled, pre-wired, tested and ready to install
- Forklift-ready for lifting—just place it, connect it and pump

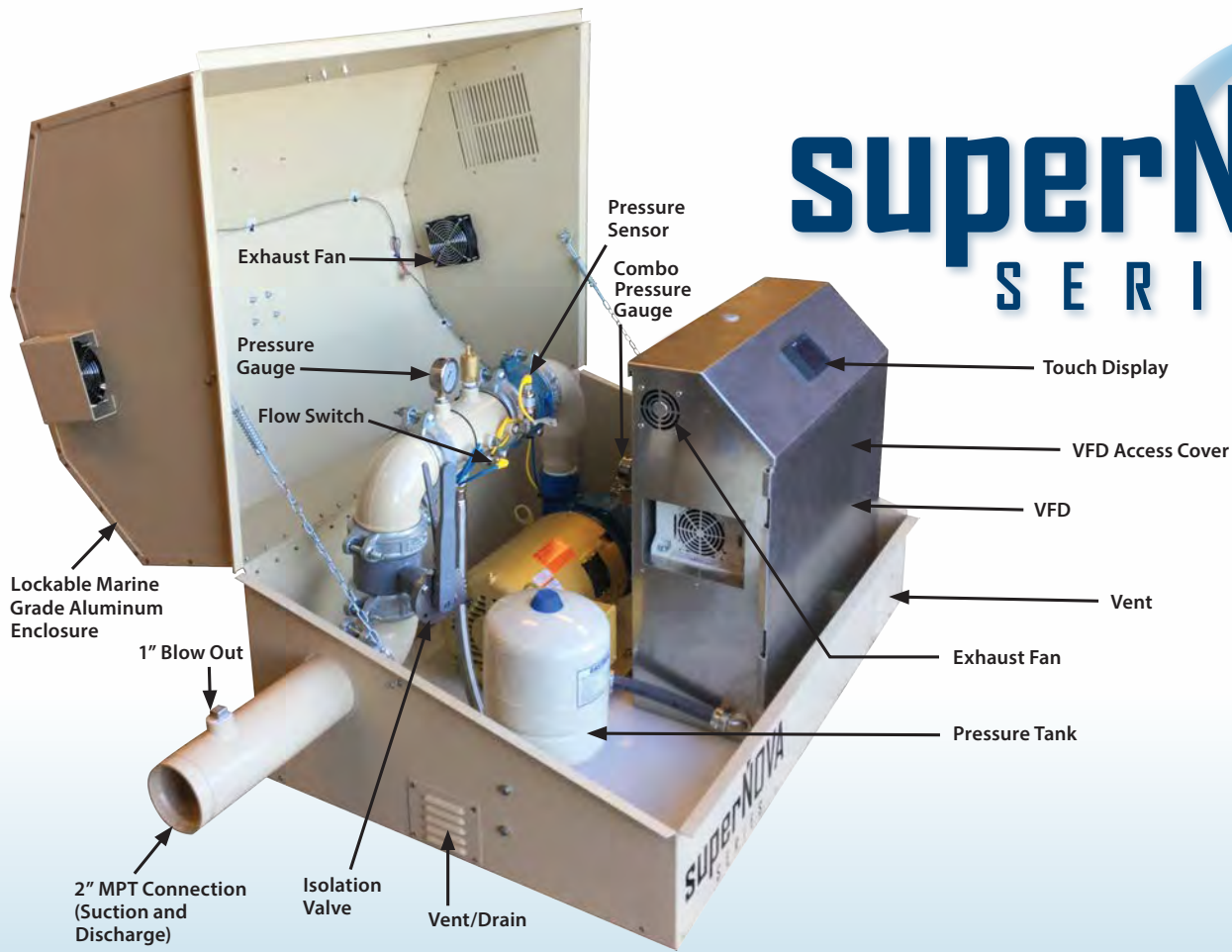


Designed to Preserve & Protect

- Fully enclosed and protected internal electronics
- Durable marine grade aluminum enclosure construction
- Stainless steel piping

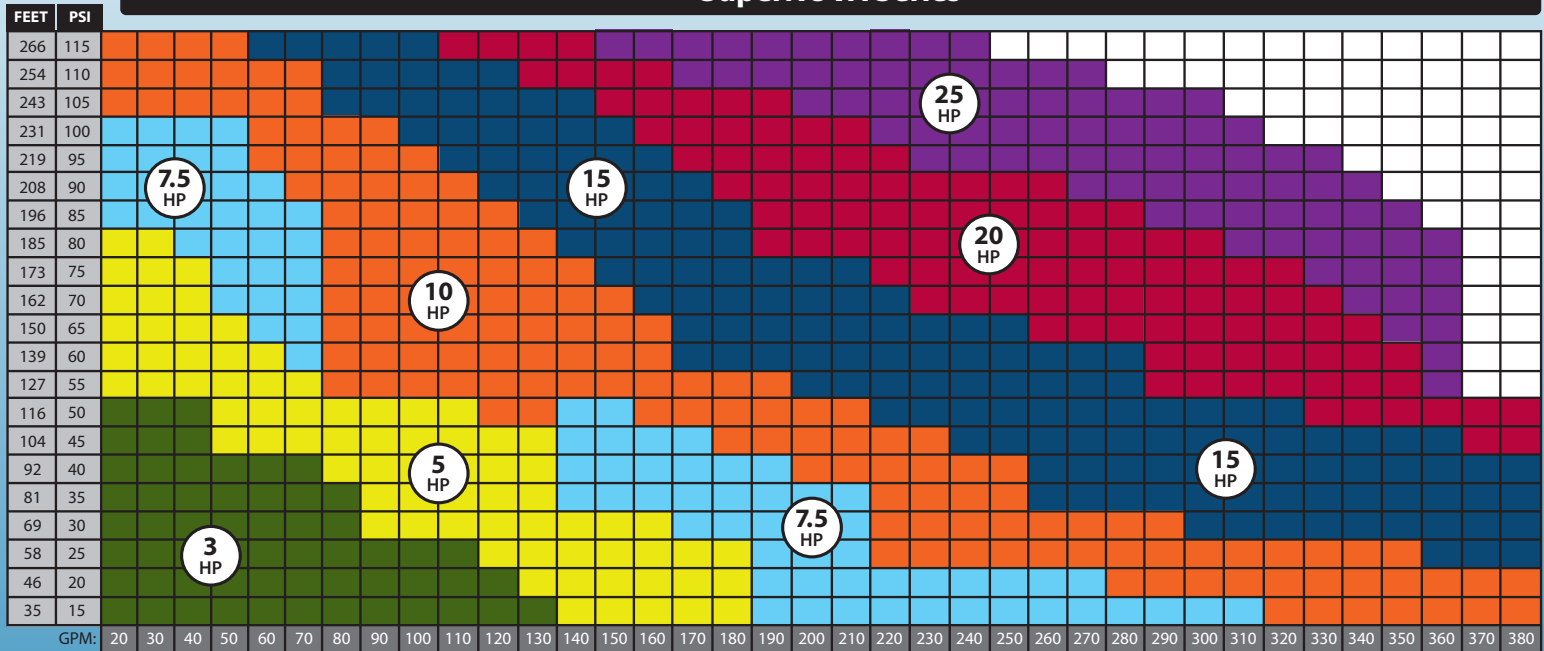


SuperNOVA SERIES



Performance
at STATION
DISCHARGE

SuperNOVA Series



Additional features exclusive to the SuperNOVA booster pump series:

Pressure Tank • 24/7 Phone Tech Support • Easy to use Start Up Wizard • Optional Heating and Insulation
Optional Automatic Priming Pump for Suction Lift Applications • Available in custom colors

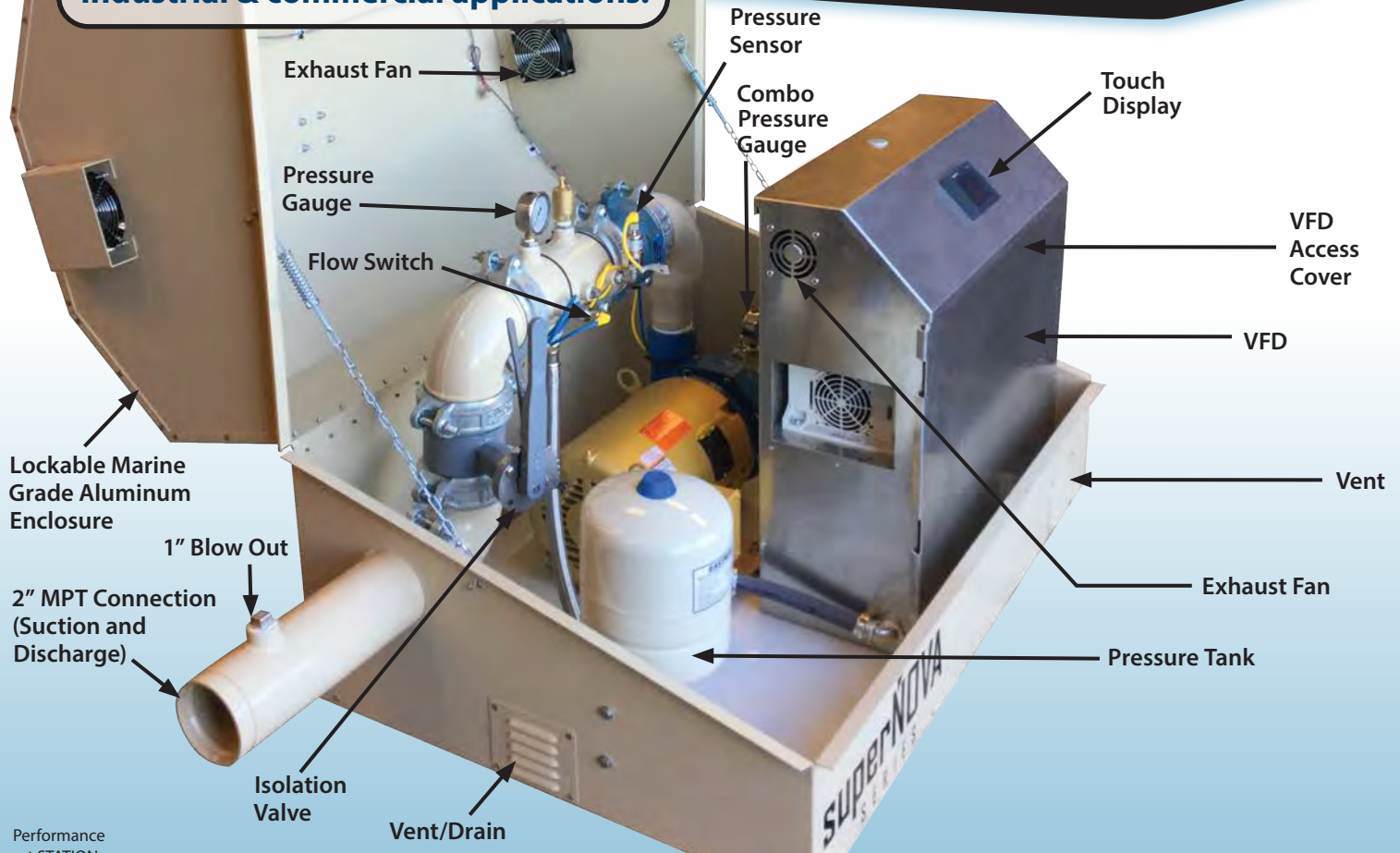
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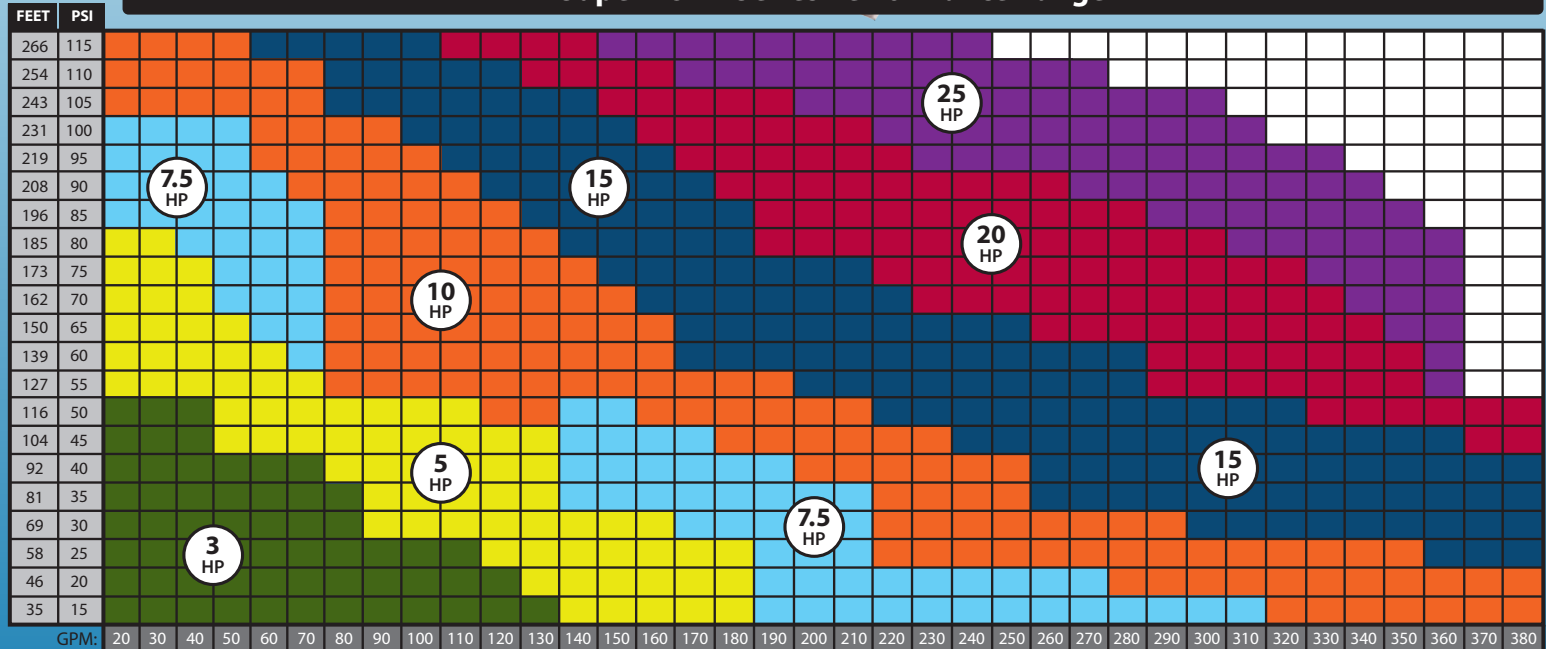
superNOVA S E R I E S

**A complete, variable speed
pumping system engineered for light
industrial & commercial applications.**



Performance
at STATION
DISCHARGE

SuperNOVA Series Performance Range



Specifications

*Contact PPS for non-standard input power.

System Type: Variable Speed, End-Suction Centrifugal

Applications: • Pressure Boosting • Suction Lift • Flooded Suction

Electrical Input*: • 208 Volt/3 Phase/60 Hz • 240 Volt/1 Phase/60 Hz • 240 Volt/3 Phase/60 Hz • 480 Volt/3 Phase/60 Hz

Flow Range: 20-380 GPM

Boost Pressure: 15-115 PSI

Horsepower: 3, 5, 7.5, 10, 20, 25 HP

Features and Benefits

CONTROLLER FUNCTIONS

Complete Automation

- Automatic start based on pressure drop or remote start relay.
- Maintains constant pressure at variable flows.
- Pump automatically enters sleep mode when demand stops and pressure setpoint is maintained.

System Protections

- Dry Run
- High Discharge Pressure
- High Flow, Low Flow
- Electrical Protections, including phase, voltage, current

Start-Up Assistant

- VFD programming for the motor
- System Sensor Activation & Calibration
- Operational Settings
- Discharge Pressure Setpoint
- Pump Sleep Settings

Troubleshooting Assistant

- System Alarms & Faults, Sensor Issues, & VFD/PLC Communication issues.

Password Protection

- For operator configurable settings
- Create New User, Operator, and Guest Accounts, with access limitations.

Features Fault, Trend & Operator Logs to Report System Functionality

INSTRUMENTATION

Pressure Gauges

- Liquid filled stainless steel gauges.

Pressure Transmitter

- Stainless steel transmitter, transmits 4-20mA signal.

Flow Switch

- Compact stainless steel switch detects flow.

Flow Sensor (Optional)

- Non-magnetic, insertion flow sensor transmits flow rate to station controller.

CONTROLLER PRIMARY COMPONENTS

Variable Frequency Drive (VFD)

- UL Listed, efficient VFD provides precise pressure control.

PLC/HMI

- CPU Module, with 3.5" Full color touchscreen, & Ethernet Port NEMA 3R Rated Disconnect Switch
- Padlockable disconnect switch with circuit-breaker protection.

Cell Modem (Optional)

- Allows for remote control and monitoring of pump station.
- Email and text message alarms.

MECHANICAL COMPONENTS

Heavy Duty Pump & Motor

- Horizontal end-suction centrifugal pump, with mechanical seal, cast iron casing, and precision machined impellers.
- Premium efficient, open-drip proof motor.

Silent Check Valve

- Silent dual-disc check valve with grooved connection prevents reverse flow.

Butterfly Isolation Valves

- Grooved butterfly type with 10 position indicator to isolate the system for winterization/maintenance.

Air Relief Valve

- Continuously acting air relief valve releases entrained air.

Pressure Tank

- 2 gallon diaphragm type pressure tank stabilizes system pressure and prevents pump from short cycling.

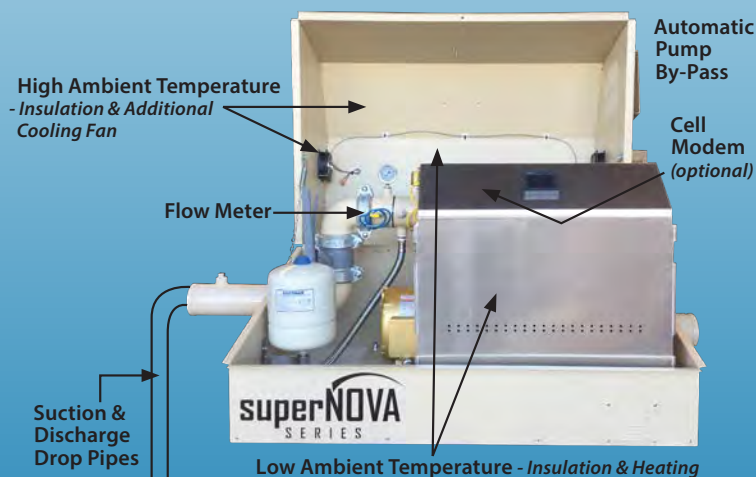
Piping & Connections

- Powder coated steel piping provides superior corrosion resistance.
- Grooved connections and fittings for easy disassembly for winterization and maintenance.
- Optional HDPE Drop-pipe connection for quick tie-in piping network.

MARINE GRADE ALUMINUM ENCLOSURE

- Protects the station from intruders and the elements.
- Low profile, compact design.
 - Houses all components in an aesthetically pleasing enclosure.
- Custom colors available to suit the local environment.
- Lockable clamshell lid provides complete access to all system components.
- Thermosetting epoxy powder coating provides corrosion protection.

Accessories



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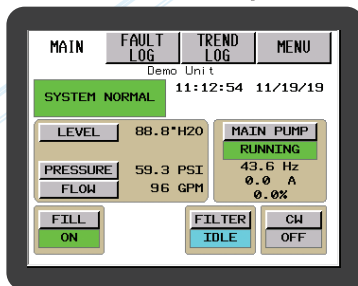
FILTERED PUMP

COMPACT • ALL-IN-ONE • PRE-PACKAGED PUMP SYSTEM

- Integrated filter controls for ease of operation
- Innovative, easy to use touchscreen
- Unlimited, personalized technical support
- Remote control and monitoring available



Color Touch Screen Operation



Filtered Pump Information

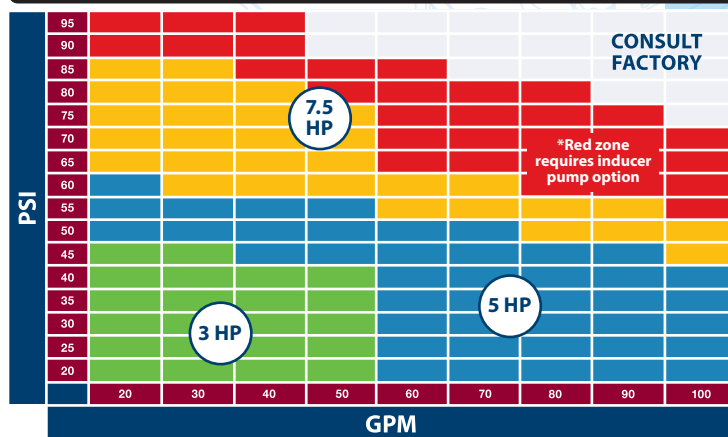
APPLICATIONS

Pressure Boosting
Suction Lift
Reclaimed Water
Flooded Suction

SITE APPLICATIONS

Parks
Schools
Residential
Commercial

Filtered Pump Performance Range



*10' max suction lift. De-rate discharge pressure by lift height. For more information, consult product design guide or your PPS Sales Professional.

Pride in Craftsmanship

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- Designed, engineered & manufactured in the USA



Innovative Smart Controls

- User friendly color touch screen operation
- System redundancy throughout for 100% operational backup
- Monitor system performance and operation history from anywhere



Fast Turn-Around/Easy to Install

- Super fast delivery—typically ships within 48 to 72 hours
- Completely assembled, pre-wired, tested and ready to install
- Forklift-ready for lifting—just place it, connect it and pump

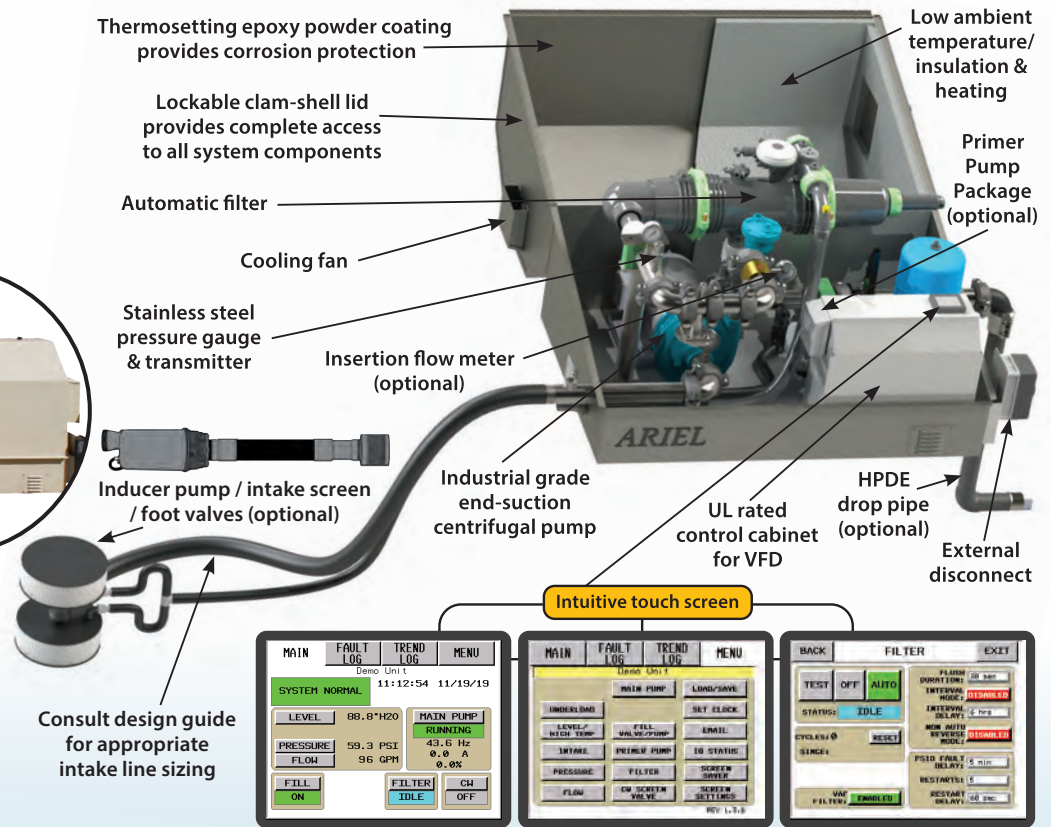
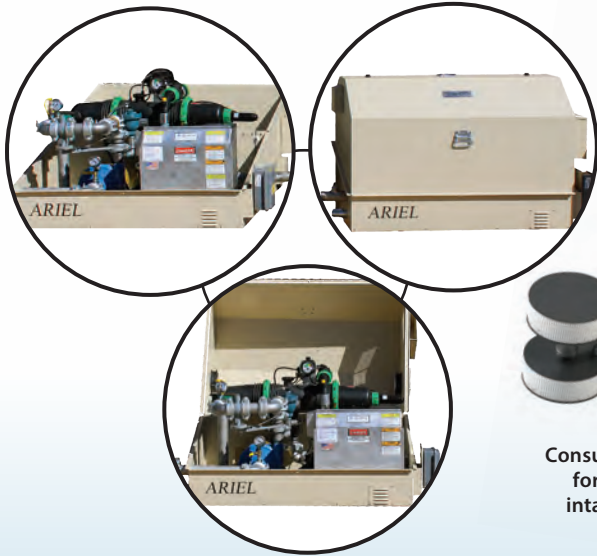


Designed to Preserve & Protect

- Fully enclosed and protected internal electronics
- Durable marine grade aluminum enclosure construction
- Stainless steel piping



ARIEL SERIES



Consult design guide for appropriate intake line sizing

ARIEL
by PPS



WATER-
TRONICS



RAIN
BIRD



MUNRO



BARRETT



MCI



HOOVER



The ARIEL is the Smallest Pre-Packaged Pump Station in the Market with Automatic Self-Cleaning Suction Scanner Filtration

- Integrated filter controls eliminate the need for a secondary controller
- Self cleaning mechanism requires no manual flushing of the system
- Considerably lower water and energy consumption



Innovative suction-scanner automatic cleaning technology — virtually maintenance free with durable and corrosion free polymeric filter

Manpower savings — save an estimated \$1,000 per month on the labor necessary to manually clean and flush the filter system

Low water and energy consumption — a minimal amount of water is used for each cleaning cycle, minimizing water waste.

For more information on PPS pump systems:
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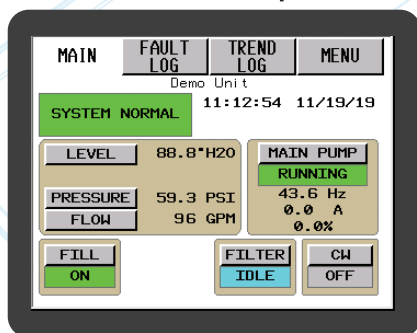
COMPACT PUMP SYSTEM

SUBMERSIBLE TURBINE • CENTRIFUGAL

- Engineered for long-term reliability
- Innovative, easy to use touchscreen
- Unlimited, personalized technical support
- Remote control and monitoring available



Color Touch Screen Operation



Pump Information

APPLICATIONS

Pond water Canal water Pressurized Intake
Lake water River water

SITE APPLICATIONS

Parks Sports Fields
Schools Residential
Housing Developments Commercial

Pump Performance & Power Options

FLOW

20 – 380 GPM

ELECTRICAL

INPUT OPTIONS

208 Volt / 3 Phase / 60 Hz
240 Volt / 1 Phase / 60 Hz
240 Volt / 3 Phase / 60 Hz
480 Volt / 3 Phase / 60 Hz

PRESSURE

Up to 150 PSI
Operating Pressure

HORSEPOWER

3 – 25 HP
Depending On
System Type

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Innovative Smart Controls

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Fast Turn-Around/Easy to Install

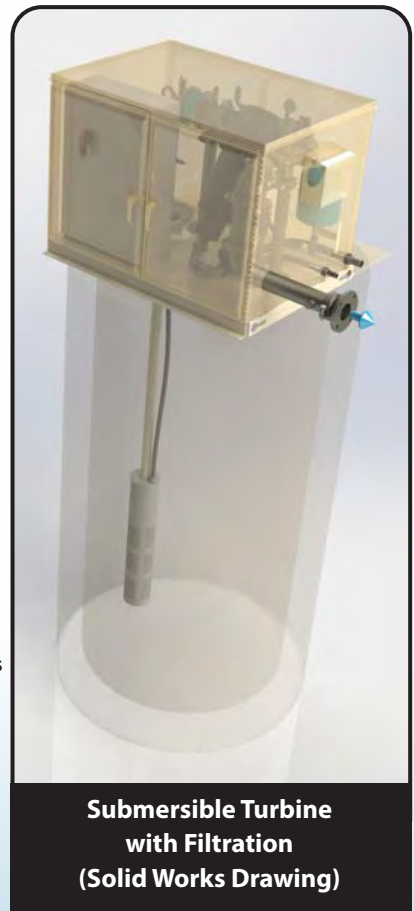
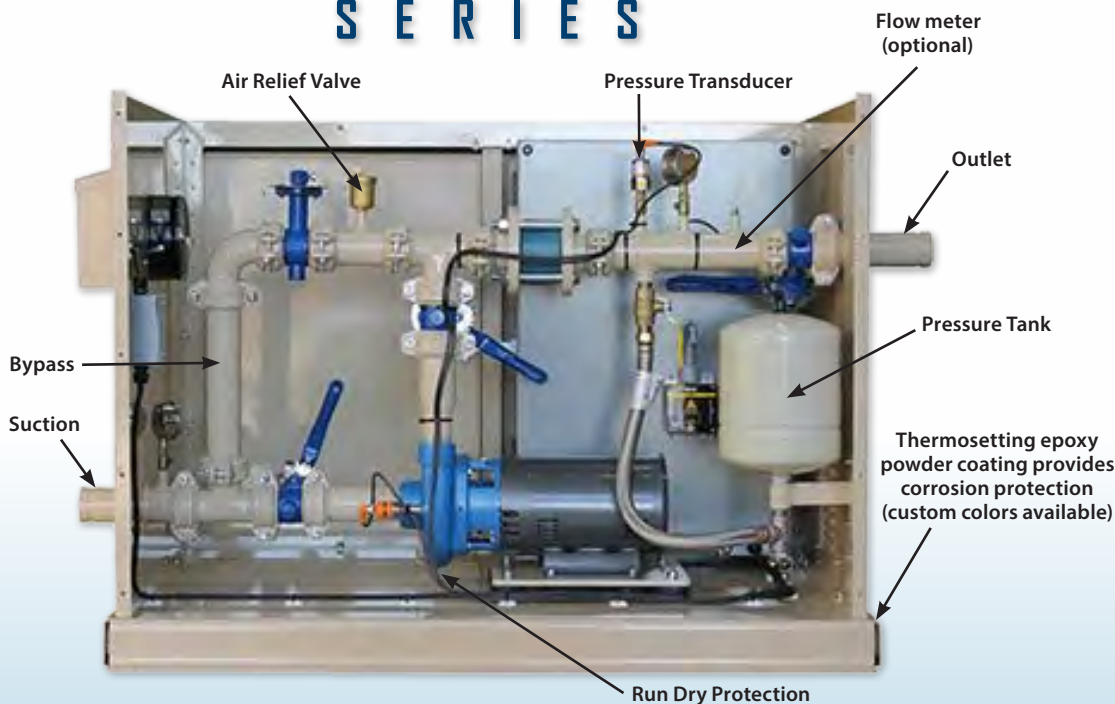
- Super fast delivery—typically ships within 2 to 3 weeks
- Completely assembled, pre-wired, tested and ready to install
- Forklift-ready for lifting—just place it, connect it and pump

Designed to Preserve & Protect

- Fully enclosed and protected internal electronics
- Durable marine grade aluminum enclosure construction
- Stainless steel, galvanized or powder-coated piping



ATLAS SERIES



The **ATLAS** is a robust, powerful pumping system designed for the toughest environments. It features an innovative and easy to use color touch screen and remote control and monitoring are available as an additional option. These systems are all UL listed, pre-tested and ready to install, and they are backed by our world-class tech support team.

ATLAS Features

- Simple HMI Operation
- Flows to 380 GPM
- Variable Speed
- All Control Components Enclosed
- Intake and/or Discharge Isolation Valves
- Centrifugal, Multi-Stage or Submersible Pumps
- Easy Operation & Maintenance
- Locking Door to Prevent Vandalism
- Designed and Built in the USA
- 100% Powder Coated or Galvanized Skid and Fittings
- 33" x 48" Skid Base

ATLAS Optional Features

- Heater and Insulation
- Powder Coated Enclosure
- Flow Meter
- Automatic Filtration
- Remote Control & Monitoring

INDUSTRY LEADING WARRANTY:

PPS warrants that its products and systems will be free from defects in material and workmanship for a period of three (3) years from the date of placing the equipment in operation or forty (40) months from the date of completion of manufacture of the equipment, whichever shall occur first.

+ PLUS 25 Year Rust Through Warranty on All Galvanized Steel Components +



For more information on PPS pump systems:
GoPPS.us • 208.323.5300

PPS
Precision Pumping Systems

FAMILY-OWNED
SINCE 1972
AND OPERATED

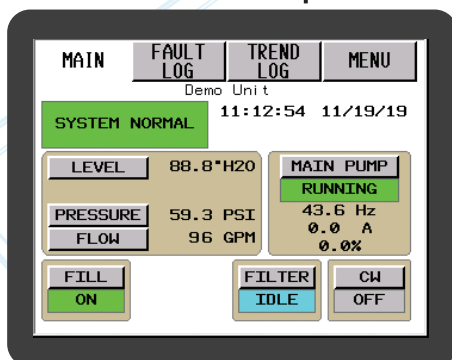
BOOSTER PUMP

COMPACT • ALL-IN-ONE • PRE-PACKAGED PUMP SYSTEM

- Engineered for long-term reliability
- Innovative, easy to use touchscreen
- Unlimited, personalized technical support
- Remote control and monitoring available



Color Touch Screen Operation



Booster Pump Information

APPLICATIONS

Pond water Canal water Potable Water
Lake water River water

SITE APPLICATIONS

Parks Sports Fields
Schools Residential
Housing Developments Commercial

Booster Pump Performance & Power Options

FLOW

150 – 500 GPM

ELECTRICAL

INPUT OPTIONS

208 Volt / 3 Phase / 60 Hz
240 Volt / 1 Phase / 60 Hz
240 Volt / 3 Phase / 60 Hz
480 Volt / 3 Phase / 60 Hz

PRESSURE

Up to 150 PSI
Operating Pressure

HORSEPOWER

5 – 40 HP
Depending On
System Type

Pride in Craftsmanship

- Family owned & operated for more than 45 years
- All PPS products are tested & certified for exceptional quality
- Designed, engineered & manufactured in the USA

Innovative Smart Controls

- User friendly color touch screen operation
- System redundancy throughout for 100% operational backup
- Monitor system performance and operation history from anywhere

Fast Turn-Around/Easy to Install

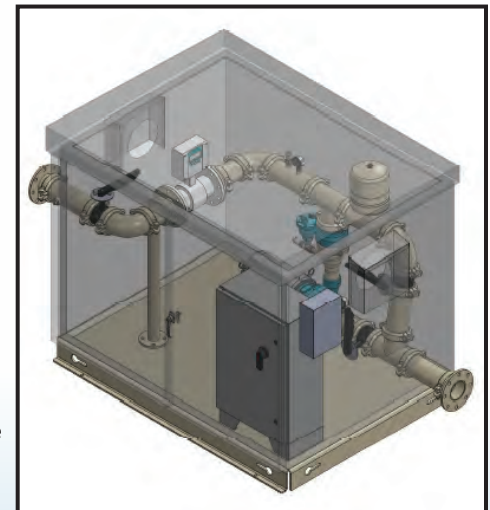
- Super fast delivery—Quick turn Pump Station typically ships within 2 to 3 weeks
- Completely assembled, pre-wired, tested and ready to install
- Forklift-ready for lifting—just place it, connect it and pump

Designed to Preserve & Protect

- Fully enclosed and protected internal electronics
- Durable marine grade aluminum enclosure construction
- Stainless steel, galvanized or powder-coated piping



VEGA SERIES



**End Suction Centrifugal Booster
(Solid Works Drawing)**

The **VEGA** series is a robust, powerful pumping system designed for the toughest environments. It features an innovative and easy to use color touch screen and remote control and monitoring are available as an additional option. These systems are all UL listed, pre-tested and ready to install, and they are backed by our world-class tech support team.

VEGA Features

- Flows to 500 GPM
- Variable Speed
- All Control Components Enclosed
- Simple HMI Operation
- 100% Powder Coated
- Isolation Valves Intake / Discharge
- Centrifugal, Multi-Stage, Turbine or Submersible Turbines
- Single or Multiple Pumps
- Easy Operation & Maintenance
- 48" X 66" Footprint

VEGA Optional Features

- Powder Coated Enclosure
- Flow Meter
- Automatic Filtration
- Remote Control and Monitoring
- Insulation
- Heater

INDUSTRY LEADING WARRANTY:

PPS warrants that its products and systems will be free from defects in material and workmanship for a period of three (3) years from the date of placing the equipment in operation or forty (40) months from the date of completion of manufacture of the equipment, whichever shall occur first.

**+ PLUS 25 Year Rust Through Warranty on
All Galvanized Steel Components +**



galvanized steel
components

optional
back flow
prevention



For more information on PPS pump systems:

GoPPS.us • 208.323.5300

PPS
Precision Pumping Systems

FAMILY-OWNED
SINCE 1972
AND OPERATED

Synthetic and Natural Turf Irrigation **BOOSTER PUMP**

Whether you maintain a professional synthetic turf sports field or the natural turf playing fields of the local recreational park, PPS can help keep them clean, healthy, and looking their best with an irrigation booster pump system designed specifically for synthetic and natural turf applications with the high flow and pressure required for even large pop-up water cannons to reach across the entire playing surface.



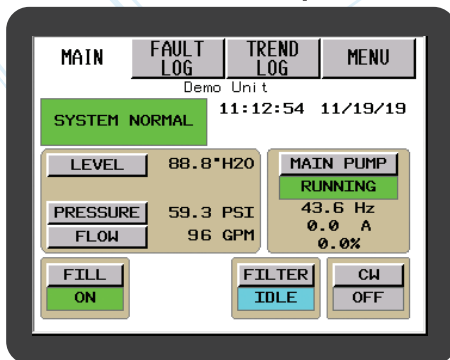
**Includes back flow preventer*



The **VEGA** series is a robust, powerful pumping system designed for synthetic and natural turf irrigation.

- Engineered for long-term reliability
- Innovative, easy to use touchscreen
- Unlimited, personalized technical support
- Remote control and monitoring available

Color Touch Screen Operation



Booster Pump Performance & Power Options

FLOW

150 – 500 GPM

ELECTRICAL

INPUT OPTIONS

208 Volt / 3 Phase / 60 Hz
240 Volt / 1 Phase / 60 Hz
240 Volt / 3 Phase / 60 Hz
480 Volt / 3 Phase / 60 Hz

PRESSURE

Up to 150 PSI
Operating Pressure

HORSEPOWER

5 – 40 HP
Depending On
System Type

Pride in Craftsmanship

- Family owned & operated for more than 45 years
- All PPS products are tested & certified for exceptional quality
- Designed, engineered & manufactured in the USA



Innovative Smart Controls

- User friendly color touch screen operation
- System redundancy throughout for 100% operational backup
- Monitor system performance and operation history from anywhere



Fast Turn-Around/Easy to Install

- Super fast delivery—Quick turn Pump Station typically ships within 2 to 3 weeks
- Completely assembled, pre-wired, tested and ready to install
- Forklift-ready for lifting—just place it, connect it and pump



Designed to Preserve & Protect

- Fully enclosed and protected internal electronics
- Durable marine grade aluminum enclosure construction
- Stainless steel, galvanized or powder-coated piping





Watering Synthetic Turf: A Unique Application For Irrigation

While these surfaces do not have the growing and maintenance needs of natural grass, synthetic turf does require its own set of Best Management Practices for playability and long-term sustainability.

Why Irrigate Synthetic Turf Fields?

The Synthetic Turf Council recommends periodic watering via irrigation sprinklers:

- To flush contaminants such as dust, dirt, bodily fluids, etc. through the system. A properly constructed synthetic field enables water to quickly drain down through granulated rubber in-fill into a sub-surface drainage system that carries it out to purification facilities.
- Help preserve and compact sand and infill materials ensuring the surface performs as intended.
- To break the static cling between synthetic-turf fibers and the rubber in-fill material, which will eliminate the dark look of a field after maintenance or games; it also makes the turf fiber stand up and look like it's supposed to.
- To mitigate heat as much as 20° f through evaporative cooling for a period of about 45 minutes after watering.

These recommendations apply to both long-fiber infill systems (such as for football and soccer) and short-fiber systems (such as for field hockey, baseball or tennis).

VEGA Features

- Flows to 500 GPM
- Variable Speed
- All Control Components Enclosed
- Simple HMI Operation
- 100% Powder Coated
- Isolation Valves Intake / Discharge

- Centrifugal, Multi-Stage, Turbine or Submersible Turbines
- Single or Multiple Pumps
- Easy Operation & Maintenance
- 48" X 66" Footprint

VEGA Optional Features

- Powder Coated Enclosure
- Flow Meter
- Insulation
- Heater
- Automatic Filtration
- Remote Control and Monitoring

INDUSTRY LEADING WARRANTY:

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+ PLUS 25 Year Rust Through Warranty on All Galvanized Steel Components +



For more information on PPS pump systems:

GoPPS.us • 208.323.5300

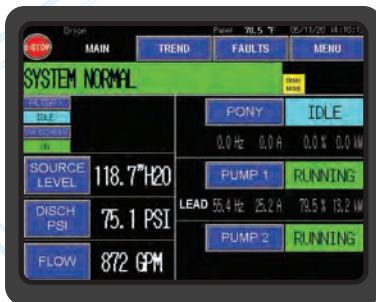


PRE-PACKAGED PUMP SYSTEM

VERTICAL TURBINE • SUBMERSIBLE TURBINE
CENTRIFUGAL



Color Touch Screen Operation



Pump Information

APPLICATIONS

Pond water Canal water Pressurized Intake
Lake water River water

SITE APPLICATIONS

Parks Sports Fields
Schools Residential
Housing Developments Commercial

Pump Performance & Power Options

FLOW

150 – 1,000 GPM

ELECTRICAL

INPUT OPTIONS

208 Volt / 3 Phase / 60 Hz
240 Volt / 1 Phase / 60 Hz
240 Volt / 3 Phase / 60 Hz
480 Volt / 3 Phase / 60 Hz

PRESSURE

Up to 150 PSI
Operating Pressure

HORSEPOWER

10 – 40+ HP
Depending On
System Type



- Engineered for long-term reliability
- Innovative, easy to use touchscreen
- Unlimited, personalized technical support
- Remote control and monitoring available

Pride in Craftsmanship

- Family owned & operated for more than 45 years
- All PPS products are tested & certified for exceptional quality
- Designed, engineered & manufactured in the USA



Innovative Smart Controls

- User friendly color touch screen operation
- System redundancy throughout for 100% operational backup
- Monitor system performance and operation history from anywhere



Fast Turn-Around/Easy to Install

- Super fast delivery—typically ships within 3 to 4 weeks
- Completely assembled, pre-wired, tested and ready to install
- Just place it, connect it and pump

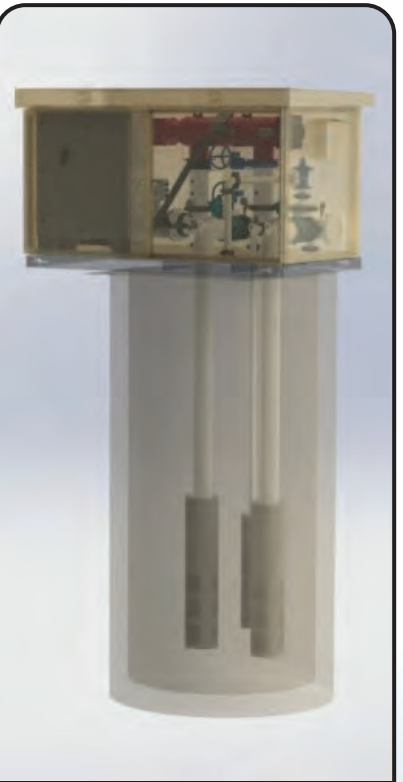
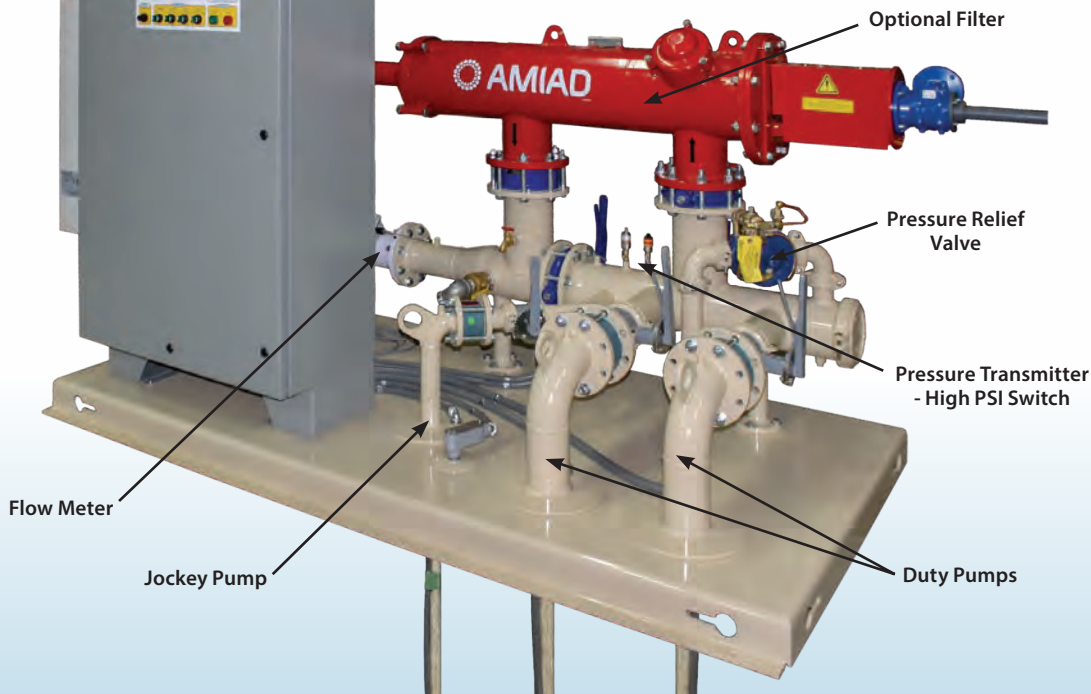


Designed to Preserve & Protect

- Fully enclosed and protected internal electronics
- Durable marine grade aluminum enclosure construction
- Stainless steel, galvanized or powder-coated piping



ORION S E R I E S



**Submersible Turbine
with Filtration
(Solid Works Drawing)**

The **ORION** series is a robust, powerful pumping system designed for the toughest environments. It features an innovative and easy to use color touch screen and remote control and monitoring are available as an additional option. These systems are all UL listed, pre-tested and ready to install, and they are backed by our world-class tech support team.

ORION Features

- Flows to 1000 GPM
- Variable Speed
- All Control Components Enclosed
- Simple HMI Operation
- 100% Powder Coated or Galvanized Components with 25 year Rust Through Skid and Parts Warranty
- Intake and/or Discharge Isolation Valves
- Single or Multiple Pumps

- Easy Operation & Maintenance
- 48" X 96" Skid Base
- Simple Transition between Vertical Turbine and Submersible Turbine Pumps
- Multiple Filter Options, and Simple Transition between Filter Brands

ORION Optional Features

- Powder Coated Enclosure
- Flow Meter
- Insulation
- Heater
- Automatic Filtration
- Remote Control & Monitoring

INDUSTRY LEADING WARRANTY:

PPS warrants that its products and systems will be free from defects in material and workmanship for a period of three (3) years from the date of placing the equipment in operation or forty (40) months from the date of completion of manufacture of the equipment, whichever shall occur first.

**+ PLUS 25 Year Rust Through Warranty on
All Galvanized Steel Components +**



For more information on PPS pump systems:
GoPPS.us • 208.323.5300

 **PPS**
Precision Pumping Systems

FAMILY-OWNED
SINCE 1972
AND OPERATED



Introducing the Future of

HIGH PRESSURE WASHDOWN PUMP SYSTEMS

High-pressure, effluent wash down pump systems are an important component of wastewater treatment facilities, food processing plant cleaning systems and more. Most resident and inline wash down systems suffer from inefficient performance despite their high use of energy. The new PHOENIX high pressure wash down pump series from PPS features a space saving footprint design, integrated VFD controls and is manufactured with non-corrosive industrial grade parts and materials, requiring minimal maintenance while providing long lasting and reliable performance.

NEW All-In-One High Pressure Washdown System:

Engineered for efficiency and designed with industrial grade components throughout, the PHOENIX Series by PPS is the industry leading pump system for fully integrated high pressure, effluent wash down applications..

- 100% corrosion resistant components
- Compact, all-in-one, pre-packaged pump station
- Built with industry leading components and innovative technology
- Redundant safeties
- Innovative and easy to use controls
- Industrial grade parts and components
- Stainless steel piping and sensors
- Integrated VFD control offers consistent system pressure in any application
- No recirculation line needed for consistent pressure
- Factory tested and certified prior to delivery
- Tandem main pumps operate as a single unit
- Typically ships within 72 hours
- All at an affordable price

50-200 GPM @ 55-75 PSI
208, 240, & 480V 3 phase
Pump and motor mounted on a poly base
with a VFD and includes:

- Pressure Transmitter
- Check Valve
- Pressure Gauge
- Variable Frequency Drive
- Stainless Steel Control Panel Lead/Lag Configuration or Lead/Standby



PHOENIX S E R I E S

Pump and Motor

Control Box

Pressure Gauge

Pressure Transmitter
Sends pressure reading to the VFD

Industrial Grade
Valves

INDUSTRY LEADING WARRANTY

PPS warrants that its products and systems will be free from defects in material and workmanship for a period of 12 months from the date of placing the equipment in operation or forty (40) months from the date of completion of manufacture of the equipment, whichever shall occur first.

PARTS AND COMPONENTS

PHOENIX S E R I E S	
Project Specific Programming	✓
Industrial Grade Pump & Motor	✓
Constant Duty Components	✓
Repairable Pumps	✓
Standard Off the Shelf Repair Parts	✓
Industry Standard Brands	✓

USA Pride in Craftsmanship

Innovative Smart Controls

Pre-Tested & Ready to Install

Built to Last a Lifetime



For more information on PPS pump systems:
GoPPS.us • 208.323.5300

PRE-PACKAGED PUMP STATION

MARINE GRADE ALUMINUM ENCLOSURES

Protect your pump station from the elements with our marine grade aluminum custom enclosures. These enclosures provide life-extending protections—while eliminating the need to build an expensive pump house.



Marine Grade Aluminum Enclosure Features

- 5052 H-32 marine grade aluminum combat corrosion
- Heat fused, polyester TGIC powder coating
- Thickness: .08"
- Removable bolt-down, single or double roll-off lids
- Lift-off lids and detachable panels
- Locking doors prevent vandalism and intrusion
- Low profile dimensions and design
- Non-slip floor matting

Available Options

- Custom colors available
- Interior and exterior lighting
- Heating, air conditioning and insulation
- Ventilation fans to regulate temperature
- Standard and custom designs
- Stainless Steel

Powder Coat Color Options

PPS Green

PPS Beige

PPS BEIGE IS STANDARD UNLESS REQUESTED OTHERWISE

Available in 12 different sizes (Custom sizes available)



W 24 x D 36 x H 25



W 32 x D 48 x H 33



W 32 x D 48 x H 33



W 48 x D 33 x H 32



W 66 x D 48 x H 48



W 96 x D 48 x H 48



W 96 x D 48 x H 66



W 96 x D 72 x H 66



W 200 x D 72 x H 66



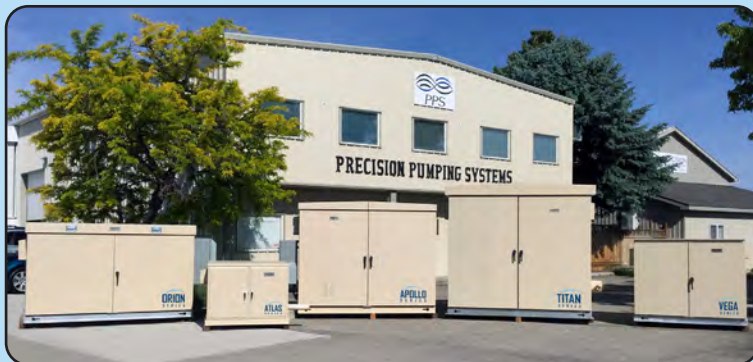
W 96 x D 96 x H 78



W 120 x D 96 x H 78



W 200 x D 96 x H 78



For more information on PPS pump systems: **GoPPS.us • 208.323.5300**

PRE-PACKAGED PUMP STATION

PREFABRICATED ENCLOSURE OPTIONS

PreCast Concrete Buildings



Color Options

AMBER ROSE	GEORGIA BRICK	SUN BRONZE	SALSA RED	BERRY MAUVE	ROSEWOOD	GOLDEN BEIGE	PUEBLO GOLD
BUCKSKIN	NATURAL HONEY	WESTERN WHEAT	OATMEAL BUFF	RICH EARTH	TOASTED ALMOND	COCA MILK	MOCHA CARMEL
SAND BEIGE	LIBERTY TAN	JAVA BROWN	CAPPUCCINO CREAM	MALIBU TAUPE	NUSS BROWN	CHARCOAL GRAY	RAVEN BLACK
SAGE	HUNTER GREEN	EVERGREEN	GRANITE ROCK				

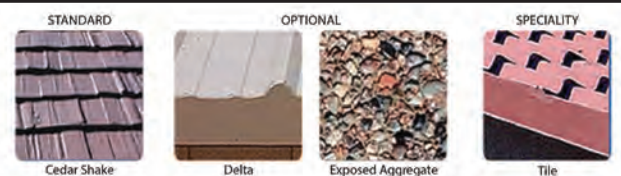
Stone Options



Wall Textures



Roof Textures



Powder Coated Marine Grade Aluminum Enclosures



Composite Buildings

Standard Composite Finish



Composite with Siding and Roofing



Additional Options



Pump Station Prefabricated Enclosure Features & Options

Precast Concrete

- 4" thick steel-reinforced concrete walls
- 5" thick steel-reinforced concrete roof
- Standard and custom designs
- Built to withstand earthquakes, hurricane winds and 120 lb/Ft² snow load
- Vandal resistant components
- Widest variety of finishes, textures and colors available
- Shipped ready to use

Available Options

- Custom window and doors
- Ventilation/Heating/Air Conditioning
- Interior and exterior lighting
- Intrusion alarm prevents unauthorized entry and theft
- Non-slip floor matting

Powder Coated Marine Grade Aluminum

- 5052 H-32 marine grade aluminum combat corrosion
- Heat fused, polyester TGIC powder coating
- Removable bolt-down, single or double roll-off lids
- Lift-off lids and detachable panels
- Locking doors prevent vandalism and intrusion
- Low profile dimensions and design
- Non-slip floor matting

Available Options

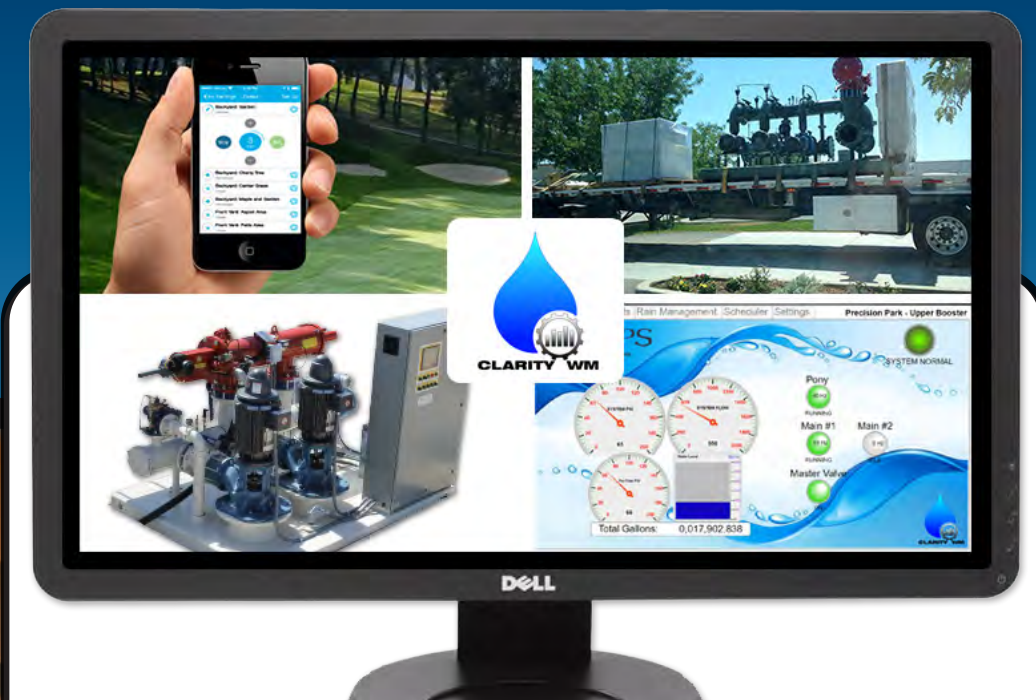
- Custom colors available
- Interior and exterior lighting
- Heating, air conditioning and insulation
- Ventilation fans to regulate temperature
- Standard and custom designs

Composite

- Non-corrosive, sound reducing composite material
- Secure equipment protection
- Designed to resist damage from impact, chemicals, and environmental conditions
- Arrives fully assembled and generally does not require a building permit
- Locking doors prevent vandalism and intrusion
- Walk-in space for easy service and maintenance access
- New construction or retrofit for existing installations

Available Options

- Thermal insulation
- Interior and exterior lighting
- Roof access hatches
- Custom enclosure colors and finishes
- Standard and custom designs



PPS Clarity Water Management

Conserve energy and water by adapting your watering schedule to the current climate.

- Provides the critical information necessary to remotely operate, monitor and budget your irrigation system.
- Historical Trend Graphs give insight to current and past watering cycles.
- Easy to use interface provides insight to the overall health and efficiency of your system.



Our systems exceed the quality and safety criteria required by the UL 508A and UL QCZJ standards.



Our systems are certified and rigorously tested to simulate actual site conditions before shipping.



Our Packaged Pumping Systems arrive on your job site ready for install and operation.



We ensure that our system communicates seamlessly with your network before shipping.



We have a hassle free Preventative Maintenance Plus Program run by licensed professionals.

PPS is a family owned company with a team of industry professionals that are committed to excellence and the success of your project. In addition, the owners of PPS will be personally involved in your project to ensure that you get the highest quality product and have a superior customer service experience.

GOLF & IRRIGATION

Premium Quality Packaged Pumping Stations



DESIGN | BUILD | TEST | INTEGRATE

GoPPS.us • 208.323.5300 • 6515 Business Way, Boise, ID 83716



Variable Speed End-Suction Centrifugal

Design Flow Rate: 20-95 GPM **Boost Pressure:** 70 PSI
Horsepower: 1, 2, 3, & 5 HP

Electrical Input:
 Single Phase / 3 Phase / 60 Hz @ 208, 240, or 480 Volts



Submersible Pump Skid

Design Flow Rate: 200 GPM **Station Pressure:** 80 PSI
Discharge Pressure: 80 PSI **Voltage:** 480V
Phase: 3P **Hertz:** 60 Hz

HP	PERFORMANCE
20	200 GPM @ 267' TDH



Integrated Automatic Filtration System

Design Flow Rate: 900 GPM **Voltage:** 480V
Discharge Pressure: 70 PSI **Phase:** 3P **Hertz:** 60 HZ

PUMPS	HP	PERFORMANCE
2	25	450 GPM @ 165' TDH
1	7.5	100 GPM @ 165' TDH
FILTER	SIZE	MICRON
1	8"	200

PROVEN PERFORMANCE, RELIABILITY

At PPS, we are committed to excellence. Our rugged golf and irrigation pump systems offer the high efficient performance and reliability golf course superintendents, water purveyors, and commercial applications demand – without the high cost, timeline issues, and quality concerns of traditional build-on-site systems.



HIGH PERFORMANCE

- Remote Control / Monitoring
- Climate Controlled Enclosures and Pre-fabricated Buildings
- SCADA Communication and Integration
- Automatic Suction Scanner Filters
- IEEE-519 Power Quality Compliance

Industry Leading 3 Year

PPS warrants that its products and systems will be free from defects in material and workmanship for a period of three (3) years from the date of

LIABLE, AND COST EFFECTIVE

Throughout the design and manufacturing process, we work closely with your engineering team to ensure the finished project meets your exact specifications AND is delivered on time. At PPS, we are experts in custom engineered pumping systems - large or small - and we offer all levels of design assistance to be sure you get exactly what you need.



ANCE OPTIONS

- Magnetic Flow Meters and Data-Logging
- Remote Tank/Sump Level Control
- Panel Air Conditioning or Air to Water Heat Exchangers
- High Pressure Relief Valves
- Intake Screen Valves and Controls
- Multi-Site Integration

ear Limited Warranty

placing the equipment in operation or forty (40) months from the date of completion of manufacture of the equipment, whichever shall occur first.



Vertical Turbine Pump Station

Design Flow Rate: 3000 GPM **Station Pressure:** 100 PSI
Discharge Pressure: 100 PSI **Voltage:** 480V
Phase: 3P **Hertz:** 60 Hz

PUMPS	HP	PERFORMANCE
3	75	1060 GPM @ 250' TDH
1	15	180 GPM @ 250' TDH



Submersible Turbine

Design Flow Rate: 450 GPM
Voltage: 480V **Pressure:** 80 PSI
Phase: 3P **Hertz:** 60 HZ

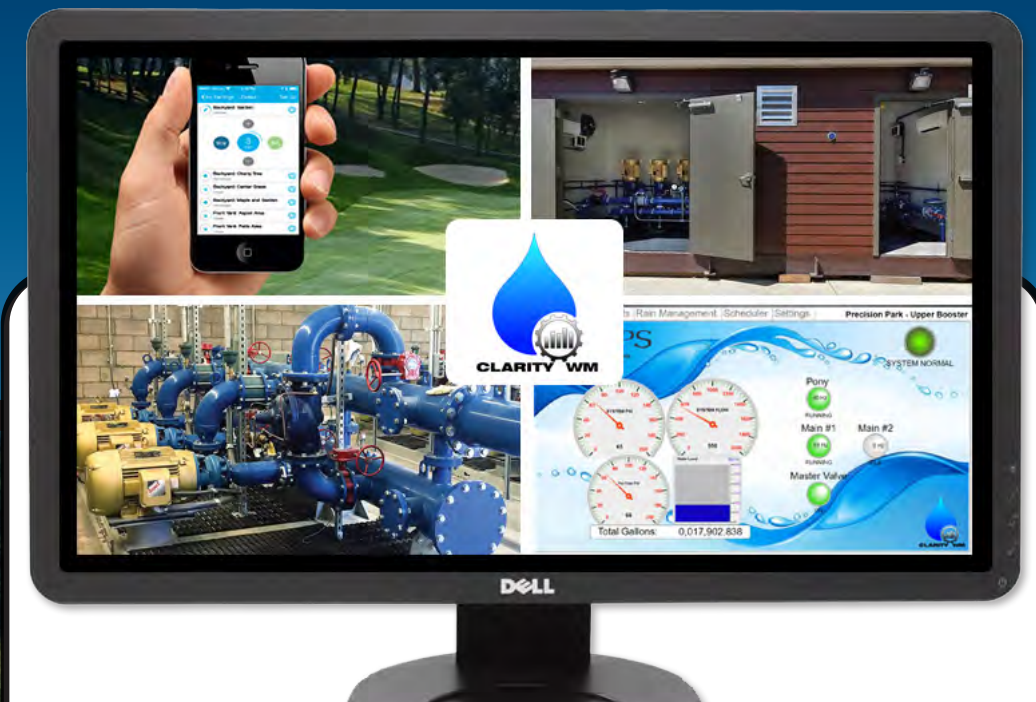
PUMPS	HP	PERFORMANCE
2	15	450 GPM @ 185' TDH
1	3	Pressure Maint.



UV Treatment — Water Re-Capture

Design Flow Rate: 75 GPM **Station Pressure:** 75 PSI
Discharge Pressure: 75 PSI **Voltage:** 480V
Phase: 3P **Hertz:** 60 Hz

HP	PERFORMANCE
7.5	75 GPM @ 85' TDH



PPS Clarity Water Management

- Provides the critical information necessary to remotely operate, monitor and control your system.
- Historical trend graphics to give insight to current and past operations.
- SCADA Interaction.



Our systems exceed the quality and safety criteria required by the UL 508A and UL QCZJ standards.



Our systems are certified and rigorously tested to simulate actual site conditions before shipping.



Our Packaged Pumping Systems arrive on your job site ready for install and operation.



We ensure that our system communicates seamlessly with your network before shipping.



We have a hassle free Preventative Maintenance Plus Program run by licensed professionals.

PPS is a family owned company with a team of industry professionals that are committed to excellence and the success of your project. In addition, the owners of PPS will be personally involved in your project to ensure that you get the highest quality product and have a superior customer service experience.



MUNICIPAL & INDUSTRIAL

Premium Quality Packaged Pumping Stations



DESIGN | BUILD | TEST | INTEGRATE

GoPPS.us • 208.323.5300 • 6515 Business Way, Boise, ID 83716



Water Treatment Vertical Multistage Pump



Design Flow Rate: 100 GPM **Voltage:** 480V
Discharge Pressure: 55 PSI **Phase:** 3P **Hertz:** 60 HZ

PUMPS	HP	PERFORMANCE
3	3	50 GPM @ 128' TDH



Canned Turbine Pumps

Design Flow Rate: 2,500 GPM **Discharge Pressure:** 162 PSI
Voltage: 480V **Phase:** 3P

PUMPS	HP	TYPE
3	150	Turbine
1	150	Turbine



Seal Water Air Gap System

Design Flow Rate: 20 GPM **Voltage:** 480V
Station Pressure: 80 PSI **Phase:** 3P **Hertz:** 60 HZ

PUMPS	HP	PERFORMANCE
2	3	20 GPM @ 185' TDH

PROVEN PERFORMANCE, RELIABILITY

At PPS, we are committed to excellence. Our rugged municipal and industrial pumping systems offer the high efficiency performance and reliability that growing municipalities and industrial applications demand – without the high cost, project delays and quality concerns related to traditional build on site systems.



HIGH PERFORMANCE

- Remote Control / Monitoring
- Climate Controlled Enclosures and Pre-fabricated Buildings
- SCADA Communication and Integration
- Automatic Suction Scanner Filters
- IEEE-519 Power Quality Compliance

LIABLE, AND COST EFFECTIVE

We are experts in custom engineered pumping stations – large and small – and offer all levels of design and engineering assistance. We work closely with your engineering team throughout the entire manufacturing process to ensure the finished project meets your exact specifications AND is delivered on time.



ANCE OPTIONS

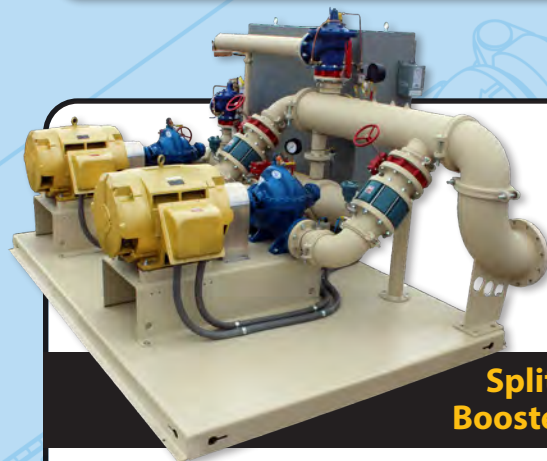
- Magnetic Flow Meters and Data-Logging
- Remote Tank/Sump Level Control
- Panel Air Conditioning or Air to Water Heat Exchangers
- High Pressure Relief Valves
- Intake Screen Valves and Controls
- Multi-Site Integration



**Self Priming
Waste Handling
Pumps**

Design Flow Rate: 1,600 GPM **GPM Voltage:** 480V
Rated Total Dynamic Head: 60 TDH **Phase:** 3 P

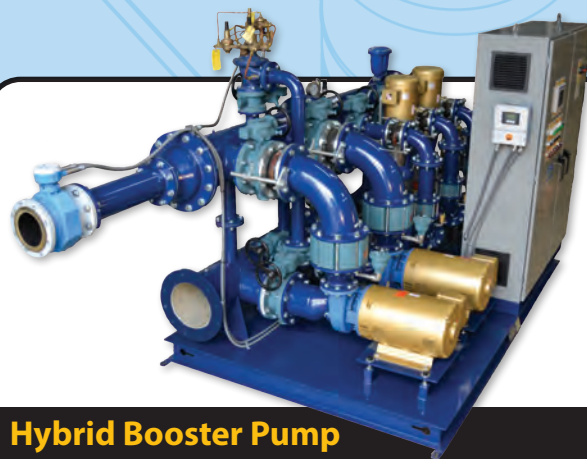
PUMPS	HP	TYPE
2	40	Centrifugal



**Split Case
Booster Pump**

Design Flow Rate: 2400 GPM **Intake Pressure:** 25 PSI
Boost Pressure: 173 PSI **Discharge Pressure:** 198 PSI
Voltage: 480 V **Phase:** 3P **Hertz:** 60 HZ

PUMPS	HP	PERFORMANCE
2	200	1200 GPM @ 400' TDH



Hybrid Booster Pump

Incoming Power: 480V/3PH **Jockey Pump HP:** 3 HP
Duty Pump: 10 HP **Fire Pump:** 50 HP
Phase: 3P **Hertz:** 60 Hz

Jockey Pump	Duty Pump	Fire Pump
50 GPM @ 100' TDH	160 GPM @ 120' TDH	880 GPM @ 173' TDH



R.eMOTE

ACCESS • MONITOR • CONTROL • NOTIFY

Remote Control & Monitoring (SCADA)

With current technology, SCADA type monitoring and control is no longer cumbersome or expensive. If you would like to monitor your system remotely, have finger-tip control from your smart phone or tablet, and receive instant alerts in the event of a system disruption, we have several options available.



Our systems exceed the quality and safety criteria required by the UL 508A and UL QCZJ standards.



Our systems are certified and rigorously tested to simulate actual site conditions before shipping.



Our Packaged Pumping Systems arrive on your job site ready for install and operation.



We ensure that our system communicates seamlessly with your network before shipping.



We have a hassle free Preventative Maintenance Plus Program run by licensed professionals.

PPS is a family owned company with a team of industry professionals that are committed to excellence and the success of your project. In addition, the owners of PPS will be personally involved in your project to ensure that you get the highest quality product and have a superior customer service experience.

CONTROL PANELS



DESIGN | BUILD | TEST | INTEGRATE

GoPPS.us • 208.323.5300 • 6515 Business Way, Boise, ID 83716

600hp VFD Panel for Oil and Gas Industry



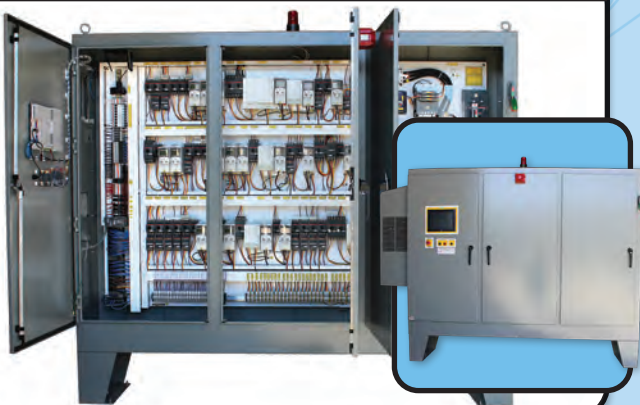
4 x 125hp VFD Panel for Irrigation Co-Op



2 x 100hp VFD Panel for Rock Crushing Plant



34 Motor VFD Panel for Food Processing Plant



VFD CONTROL PANELS

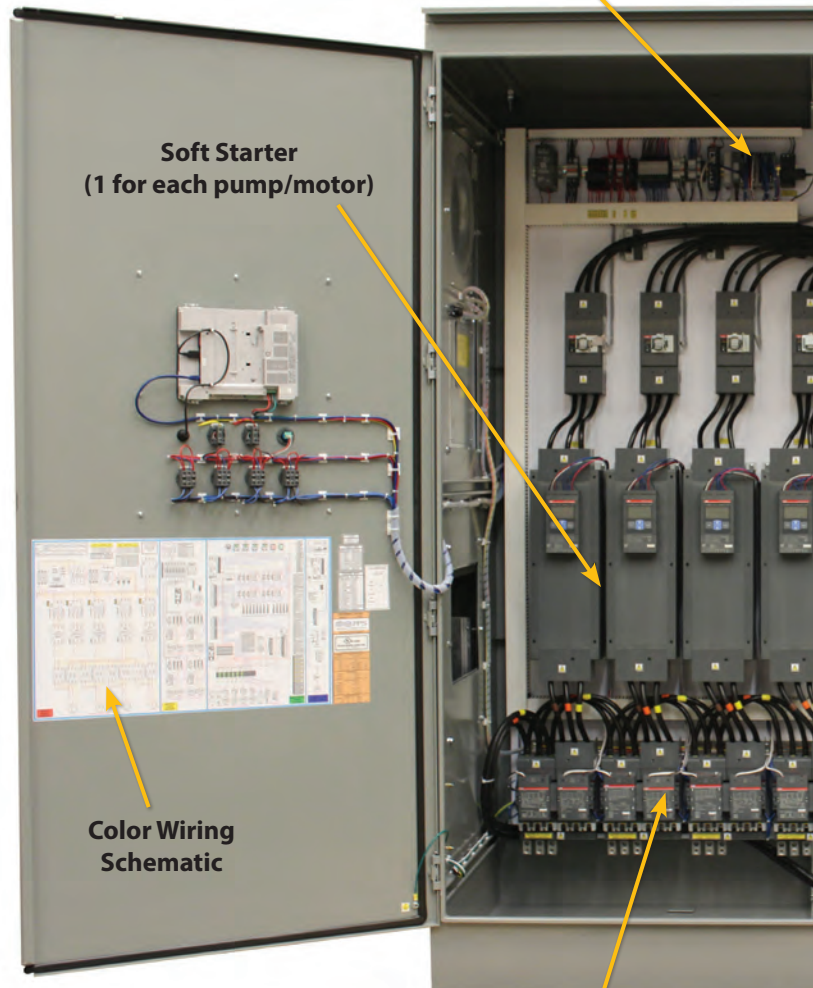
Precision Pumping Systems specializes in the design, configuration, and manufacturing of Pump and Motor Control Panels for virtually any industry. Each PPS Control Panel is designed and manufactured at our UL508A production facility. Our ability to customize each control panel to meet your specific job requirements in a timely and cost-effective manner is how we measure our success. Whether you only require a VFD Control Panel for a single pump or multiple motors and sensors using Programmable Logic Controllers OR a Highly Customized Engineered Control Center – we can build it.

Programmable
Logic Controller (PLC)



Soft Starter
(1 for each pump/motor)

Color Wiring
Schematic



Alternating Contractors allow for each pump/motor

MOTOR CONTROL PANELS

PPS also manufactures UL508A Multi-Motor Control Centers, Reduced-Voltage Soft-Starters, and Single, Duplex and Triplex Motor Starters for applications that do not require a VFD.

HARMONIC SOLUTIONS

If power quality is a concern, we offer software analysis and considerate solutions to comply with the IEEE-519 Power Quality Standard.

STANDARD FEATURES

- UL508A Listed and Labeled
- Powdercoated Steel Electrical Enclosure
- UL98 Service Rated Main Circuit Breaker
- Enclosure Cooling & Heating Packages
- Variable Frequency Drive
- Front-Door Mounted VFD Keypad-HMI
- Hand/Off/Auto Selector & Speed Dial
- Color-Coded Sensor-Wiring Terminal Strip
- Free-Standing Legs, Feet, or Bracket

HIGH PERFORMANCE OPTIONS

- VFD By-Passing Contactor(s)
- IEEE-519 Harmonic Filtering
- Line and Load Reactors; dVdI Filtering
- Line-Side Voltage and Phase Monitoring
- Advanced Surge/Lightning Protection
- Ethernet Communications Capable
- SCADA Integration; Wireless Controls
- Customized Input/Output Splice Blocks
- Air-Conditioning Cooling Packages
- Customized PLC and HMI Options



or to be in the "lead" position and run off of the VFD

LOGIC CONTROLLERS (PLC'S)

On systems that require display, monitoring, and control of multiple process sensors, PPS offers several levels of PLC Control. Whether it is pressure, level, flow, temperature or any other process that requires a system sensor, our PLC Controllers will keep you operating within the designed parameters.

For customized control panel upgrades, please contact your PPS Representative.

Complex 8 Motor VFD Panel controlling Irrigation, Domestic & Fire Water Systems



4x75HP VFD Panel with Softstarter for Golf Course



3x50HP VFD panel for Cemetery Irrigation



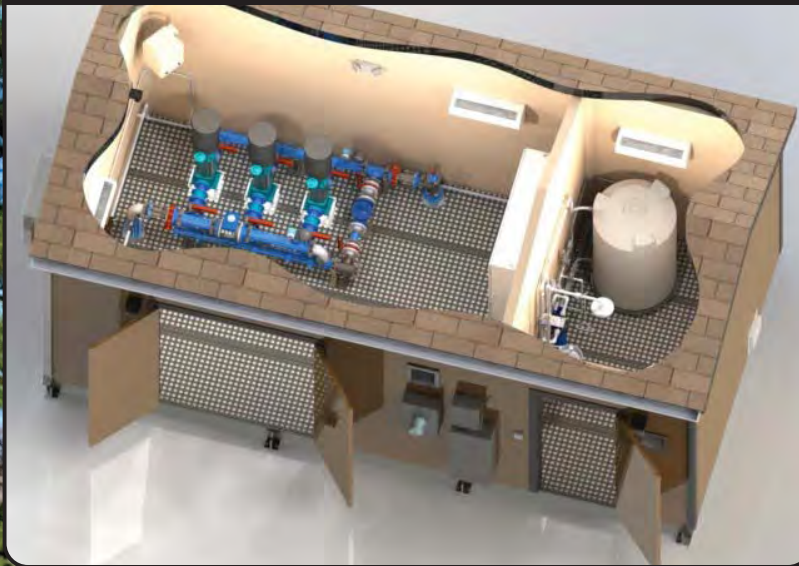
2x20HP Redundant VFD panel for Potable Booster





Our 3-D Modeling Simulates Your Complete Project in Advance of Construction and Delivery

PPS offers a wide range of pumps station enclosures. From durable aluminum compact enclosures to complete prefabricated buildings.



Our systems exceed the quality and safety criteria required by the UL 508A and UL QCZJ standards.



Our systems are certified and rigorously tested to simulate actual site conditions before shipping.



Our Packaged Pumping Systems arrive on your job site ready for install and operation.



We ensure that our system communicates seamlessly with your network before shipping.

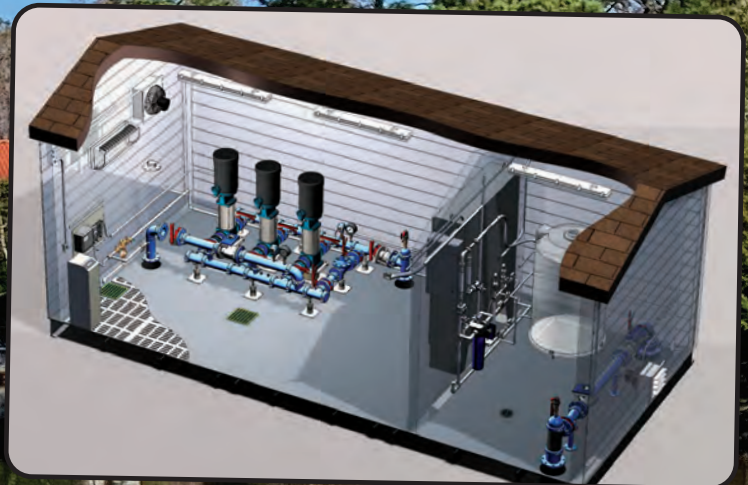


We have a hassle free Preventative Maintenance Plus Program run by licensed professionals.

PPS is a family owned company with a team of industry professionals that are committed to excellence and the success of your project. In addition, the owners of PPS will be personally involved in your project to ensure that you get the highest quality product and have a superior customer service experience.

PUMPING SYSTEM ENCLOSURES

Historic pump house,
used for agricultural irrigation
between 1911 and 1934,
located in Hyde Park,
North Carolina



DESIGN | BUILD | TEST | INTEGRATE

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Atlas Series

33" X 48"



Vega Series

48" X 66"



Orion Series

48" X 96"



Apollo Series

72" X 96"



Titan Series

96" X 96"



MARINE GRADE ALU

Marine Grade Aluminum Enclosure Features & Options

- 5052 H-32 Marine Grade Aluminum Combats Corrosion
- Heat Fused, Polyester TGIC Powder Coating
- Removable Bolt-down, Single or Double Roll-off Lids
- Lift-Off Lids and Detachable Panels
- Locking Doors Prevent Vandalism and Intrusion



CUSTOM FABRICATED B

Custom Fabricated Building Features & Options

- Fiberglass, Steel Stud, and Concrete Buildings
- Roof access hatches
- Intrusion Alarm Prevents Unauthorized Entry and Theft
- Wide Variety of Colors
- Specializing in Custom Design

INDUSTRY LEAD

PPS warrants that its products and systems will be free from defects in material and workmanship for a period of three (3) years from the date of

+ PLUS 25 Year Rust Through Warranty

MINUM ENCLOSURES

- Custom Colors Available to Meet Specific Requirements
- Low Profile Dimensions and Design
- Non-Slip Floor Matting
- Interior & Exterior Lighting
- Heating, Air Conditioning and Insulation
- Ventilation Fans Regulate Temperature
- Corrosion Fighting Powder Coating



BUILDING ENCLOSURES

- Heating and Air Conditioning
- Insulation
- Non-Slip floor matting
- Interior & Exterior Lighting
- Standard and Custom Designs
- Ventilation fans or HVAC units to regulate temperature
- Walk-in Space for Easy Service and Maintenance Access

NG WARRANTY:

placing the equipment in operation or forty (40) months from the date of completion of manufacture of the equipment, whichever shall occur first.

on All Galvanized Steel Components +

Marine Grade Aluminum Enclosure



Fiberglass Composite Building



Fiberglass Composite Building



(Custom Siding)

Pre-Cast Concrete Building



(Aggregate Siding)

Clarity RMS

Give your internet device the same control as your pump station PLC touch screen.

Your system is equipped with a Wireless Modem that enables you to view and access your PLC's Touchscreen via Clarity Remote Monitoring System (RMS).



Remote Monitoring and Controls

Clarity RMS allows you to monitor, adjust, and control your system from any web enabled device.

Fault Notifications will be sent to you immediately via SMS or Email. This will allow you to troubleshoot or diagnose your station off site and potentially save you the costly on-site visit.



Save time and money by reducing on-site visits.



Monitor, Adjust, and Control your station from any web enabled device.



Over 100 fault alarms that will notify you via SMS or Email.



Lower the risk of station downtime by making your system adjustments remotely.



PPS is available 24/7 for emergency diagnostics and trouble shooting.

NO THIRD PARTY SOFTWARE REQUIRED!

Verizon Customer Information

Type of Organization: ☐ Owner ☐ HOA ☐ Other _____

Organization Name _____ Phone _____ Email _____

Payables Contact _____ Phone _____ Email _____

Billing Address _____ City/State _____ Zip _____

Site Address _____ City/State _____ Zip _____

On-Site Contact _____ Phone _____ Email _____

Project Name or Serial Number _____

Data Plan

250 MB	1 GB
<input type="checkbox"/> 8 Months (April - November) • \$345	<input type="checkbox"/> 8 Months (April - November) • \$425
<input type="checkbox"/> 12 Months (January - December) • \$480	<input type="checkbox"/> 12 Months (January - December) • \$600

Leading Manufacturer of Pre-Packaged Pump Systems

