

inControl
water systems

HURRICANE

FORCE

S E R I E S

Duplex Pump System

FEATURES

AVAILABLE OPTIONS

- Custom enclosure and skid sizes
- Totally Enclosed fan Cooled Motor (T.E.F.C.)
- Self Cleaning Filter
- Level Controls
- Vacuum Assist Pump

Control Package

Discharge Flange (connection typ.)

Point of connection to irrigation main line or other service lines

Isolation Valves on suction and discharge

Pressure Transducer

Check Valve

Suction and Discharge Manifolds

Suction Flange (connection typ.)

Point of connection to water supply for pump station

Pressure Maintenance Pump

*Close couple pump with O.D.P. motor
5 HP or 7.5 HP*

Duplex Pump and Motor

*Close couple pump end with O.D.P. motor
15 HP, 20 HP, or 25 HP*



HURRICANE FORCE SERIES

FEATURES & BENEFITS

Duplex pump station manufactured by inControl Water Systems.
A stand-alone pump station complete with enclosure and Variable Frequency Drive.

SUITABLE FOR: FLOODED-SUCTION • SUCTION-LIFT • BOOST APPLICATIONS.



- » Duplex pump configuration (15 HP, 20 HP, or 25 HP)
- » Commercial usage
- » Operates on 208, 240, or 480 Volt; Three-Phase Power. Single phase configurations available.
- » Steel skid, painted w/ direct to metal corrosion resistant paint
- » All equipment is self-contained inside aluminum enclosure
- » Pressure Activated and requires no wired connection to irrigation controller
- » Variable Frequency Drive (VFD)
- » Packaged pump station that provides easy plug and play installation
- » UL listed componentry
- » Optional Pressure Maintenance Pump

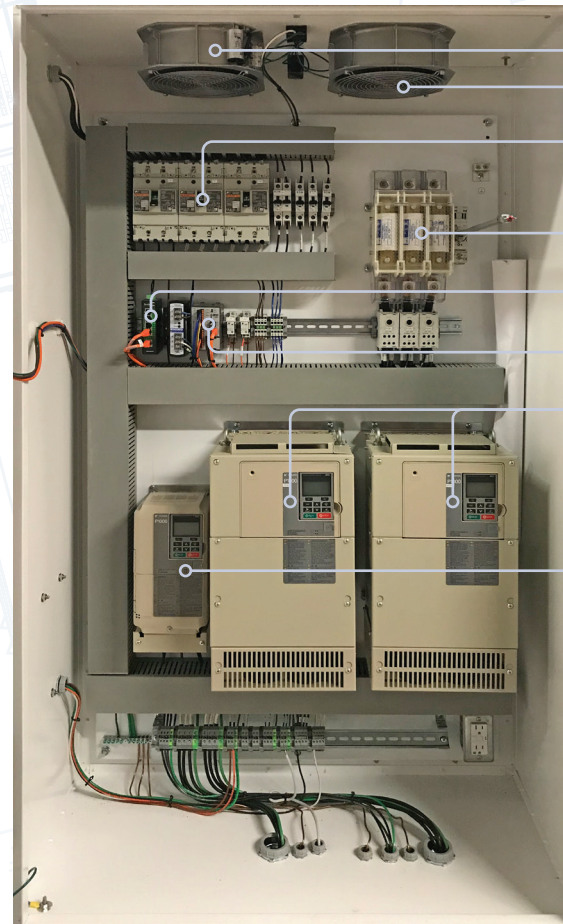
CONTROL PACKAGES

inCon-trol Water Systems is a UL 508A listed panel shop. Which means inCon-trol, not a third party company, designs, programs and manufactures every pump station control panel. By being the control panel designer and manufacturer, inCon-trol is able to troubleshoot most issues directly over the phone. Customers get instant feedback from the designer and programmer, instead of frustrating wait times from a third party control's company.

Control panels come in two different options, the Basic Control Package and the Complete Control Package.

The **Basic Control Package** comes with all components needed for a fully functional automatic pump station.

The **Complete Control Package** comes with these added features: Touch Screen Interface, Programmable Logic Controller, Remote Access Capabilities, Flow Meter, Level Controls, Data Logging, and Text/Email Alerts. Text/Email alerts require internet connectivity. Optional Cellular Modem available.



Thermal Management Fans

Thermal Magnetic Overcurrent Protection

Fusible Disconnect Switch

Ethernet Switch

PLC

Main Pump VFD

Pressure Maintenance Pump VFD



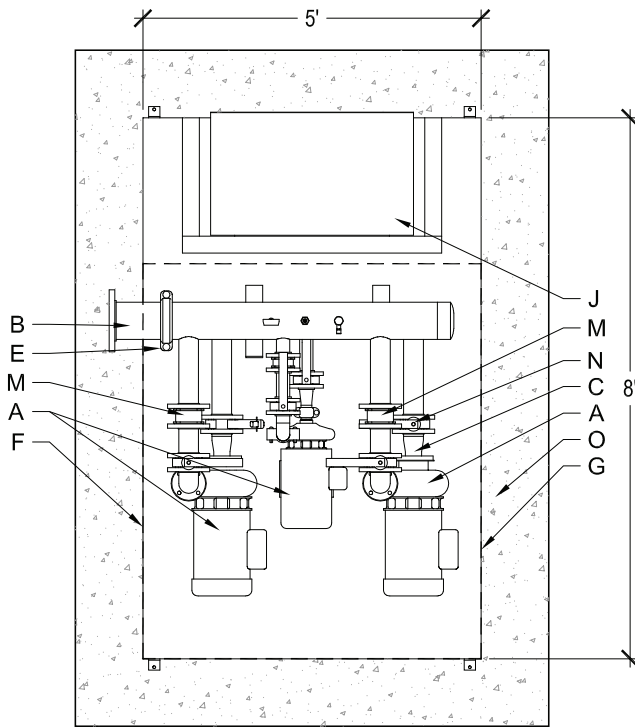
Environmental Rating Type 3R Enclosure

Lightning Surge Protection

7" Color Touch Screen User Interface

Skid-Mounted Control Package

Single-Point Connection for electrical contractor



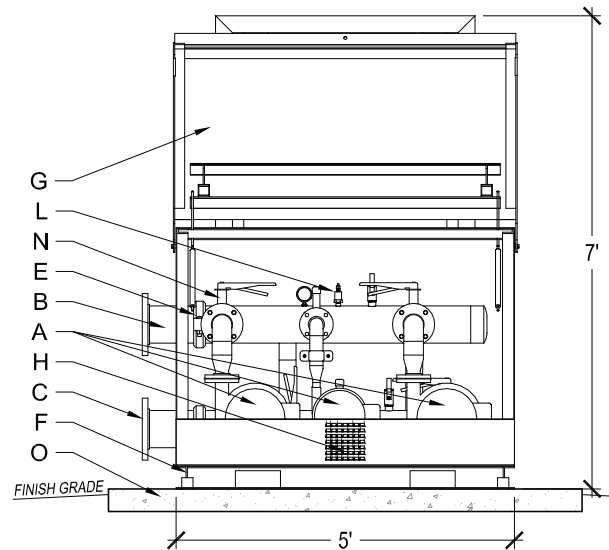
NOTES:

1. SLOPE FINISH GRADE AWAY FROM PUMP STATION / CONCRETE PAD
2. SECURELY ANCHOR PUMP STATION TO CONCRETE PAD

HURRICANE FORCE SERIES

- A. CLOSE COUPLED PUMP/MOTOR
- B. DISCHARGE PLUMBING - STEEL PIPE
- C. SUCTION PLUMBING - STEEL PIPE
- D. PRESSURE TRANSDUCER
- E. GRUVLOK STEEL COUPLING
- F. STEEL PUMP SKID - DIRECT TO METAL CORROSION RESISTANT PAINT.
- G. ALUMINUM ENCLOSURE (INSULATED)
- H. VENT COVERS
- I. HEATER
- J. ELECTRICAL ENCLOSURE
- K. DISCONNECT SWITCH
- L. PRESSURE TRANSDUCER
- M. CHECK VALVE
- N. BUTTERFLY VALVE
- O. CONCRETE PAD

PUMP STATION SHALL BE PRESSURE ACTIVATED, AND REQUIRES NO ELECTRICAL CONNECTION TO THE IRRIGATION SYSTEM.



Specification Data: Skid Mounted Pumping System, consisting of an aluminum enclosure, close coupled motor driven pump, suction and discharge points of connections, pressure transducer, Variable Frequency Drive (VFD), disconnect switch and associated fittings. All Hurricane Force Series Pump Stations come in 208 Volt, 240 Volt and 480 Volt, three phase power.

Application: Hurricane Force Series Skid Mounted Pumping System is to be used on any project where water needs to be moved. Common applications include Irrigation Systems, Rain Water Harvesting, and commercial water features/fountains. This series can be configured as flooded-suction, suction-lift, or booster pumps. All Hurricane Force Series Pump Stations are built and tested at the factory for the highest degree of quality.

Available on request: Standard construction details and architectural specifications.

Hurricane Force Series 15HP

PSI	GPM
65	240
32	1200

Hurricane Force Series 20HP

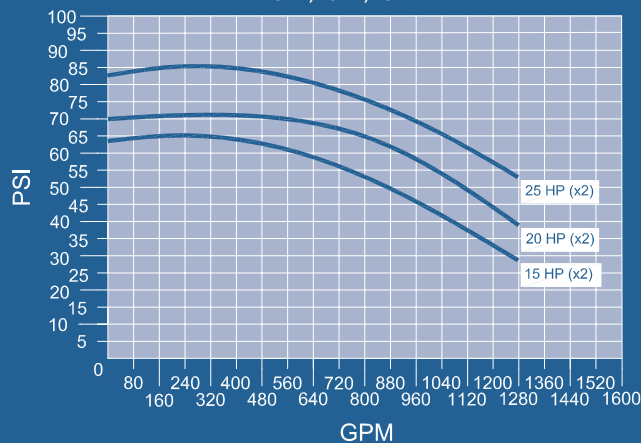
PSI	GPM
72	360
47	1160

Hurricane Force Series 25HP

PSI	GPM
86	280
58	1220

Hurricane Force Series Pump Curve

15 HP, 20 HP, 25 HP



Final Pump Horse Power to be sized by inCon-trol.

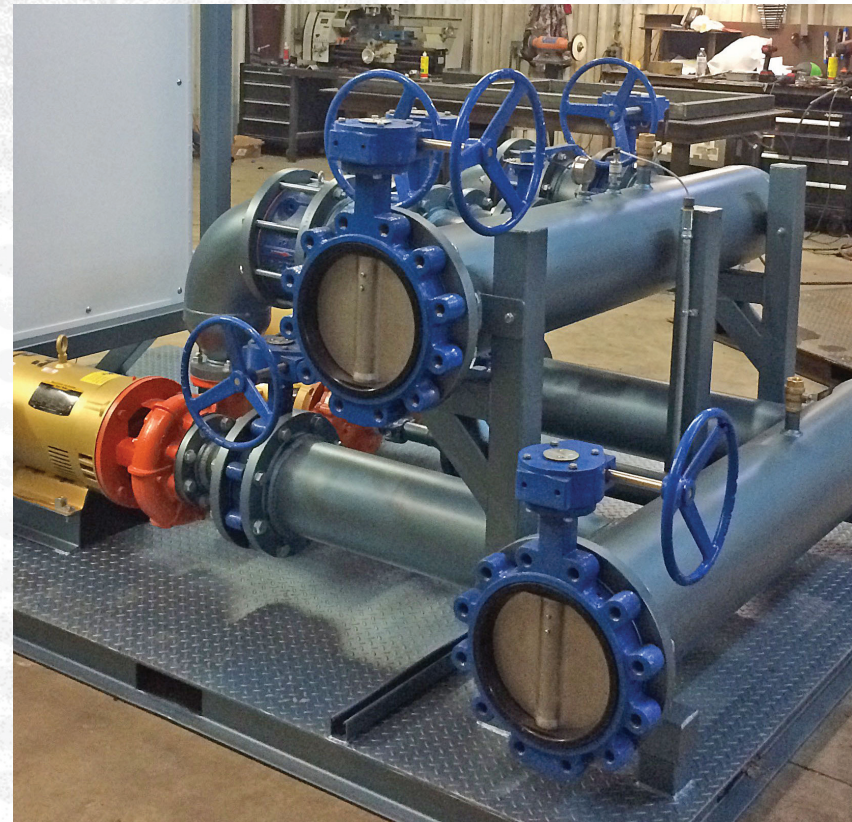
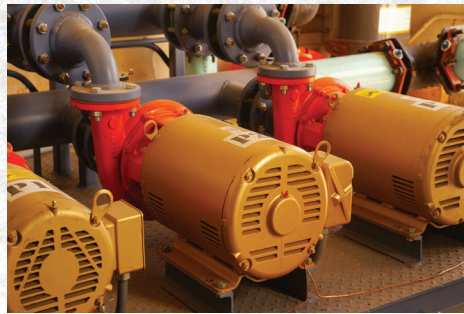
Use graph for preliminary sizing only.

**The HURRICANE FORCE SERIES Pump Station is a duplex pump system. To achieve requested GPM, two pumps are required.*

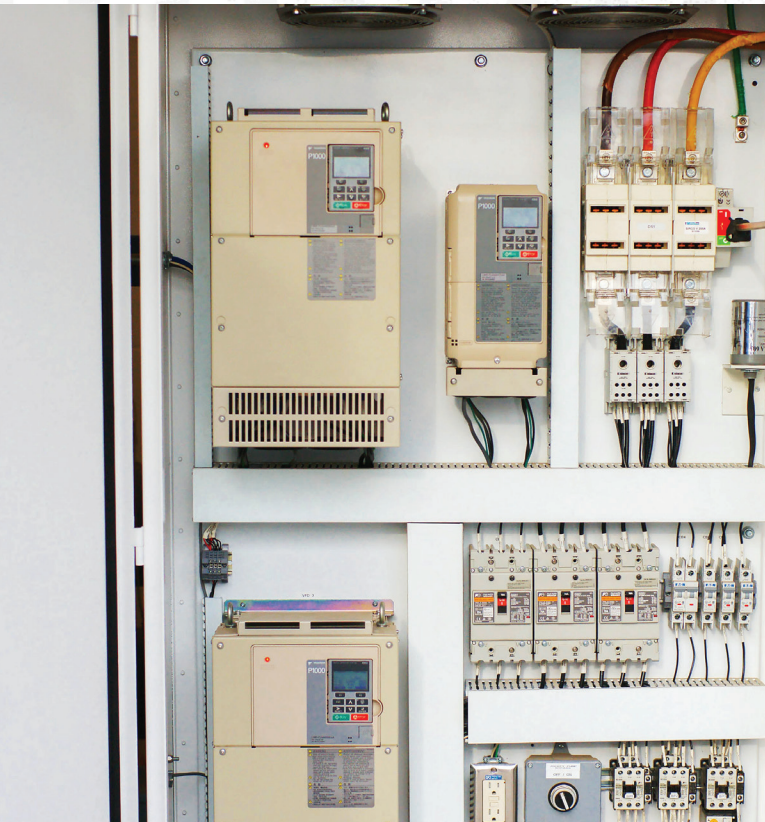
Three Phase Electrical Data

HP	Voltage	Service Size
15	208	175A
20	208	200A
25	208	250A
15	240	150A
20	240	175A
25	240	225A
15	480	70A
20	480	90A
25	480	110A

HURRICANE FORCE SERIES



DEDICATED TO
EXCELLENCE
ON EVERY JOB



All electrical panels are designed, built, & programmed by inCon-trol (Certified UL 508A Panel Shop).



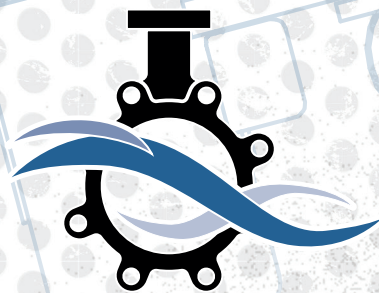
Water Feature Pumps & Pump Stations.



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