



AQUAWORX CONTROL PANELS

Aquaworx IPC Series Pump Control Panels



AQUAWORX CONTROL PANELS

Aquaworx IPC Series Pump Control Panels

Competitive Advantages

- Easy to install - Simplified wiring
- Easy to use - Unique user interface
- Easy to access - Data logging provides historical data
- Accurate timing - No stopwatch required
- Liquid level displayed for draw-downs - No tape measure required
- Veto level override function
- MARC handheld controller



Pressure Transducer Technology Benefits

Currently, systems with floats, timers and motor contactors are used to control most timed septic pump systems. The Aquaworx Transducer Assembly connects to the panel with only a 3-wire cable, making it easier to wire and more cost effective than a float system. With most mechanical systems, floats trigger the timer and alarms at specific liquid levels. For each level a function and a float is required, and typically 3-5 floats are required. Aquaworx incorporates a Transducer Assembly which continuously updates the liquid level to the controller. A single transducer is required for multiple functions and it provides all the data the controller needs to perform all the necessary functions and more. The transducer's durable construction protects it from corrosion and harsh environments allowing for a long life.

MARC Controller Operating System Benefits

The Aquaworx IPC Panel is operated using the MARC (Mountable and Removable Controller) handheld controller with Aquaworx software. It allows installers or service providers the option of removing the unit for use on multiple control panels and protects each panel from being tampered with by unauthorized users. The MARC handheld controller is much simpler to use and provides more flexibility.

Data Logging Benefits

The IPC series septic system pump controller records each event with the Date, Time Stamp and the Liquid Level at the time of the event. The IPC system will store up to 4,000 events. Events include; doses, power up, power down, manual run and alarm events.

The ability to use historical data is a great advantage when troubleshooting a system that has failed or is experiencing an alarm. System data also provides the ability to calculate real flow data; the data available allows the installer or maintenance provider to identify if the system has been operated manually, how often the system alarm has sounded and how long the system has been experiencing problems.

Computer Timer Benefits

Using a computer as the timing device provides reliable accuracy (1/1 second). Many pump control panels on the market today use programmable timers (PLC) which can be cumbersome to program when compared to using the MARC handheld controller and the Aquaworx Panel.

Solid State Relay Technology Benefits

Solid state relays are silent, as compared to motor contactors which clunks every time they engage. Designed properly, a solid state relay will have a greater life expectancy than a motor contactor. Aquaworx SSR's (Solid State Relay) turns on at the zero crossing point, providing a "soft start." This is easier on the load, giving the pump a longer life.

IPC Pump Control Systems

The Original Float-less Control Panel Technology

Patent No. 6,632,072

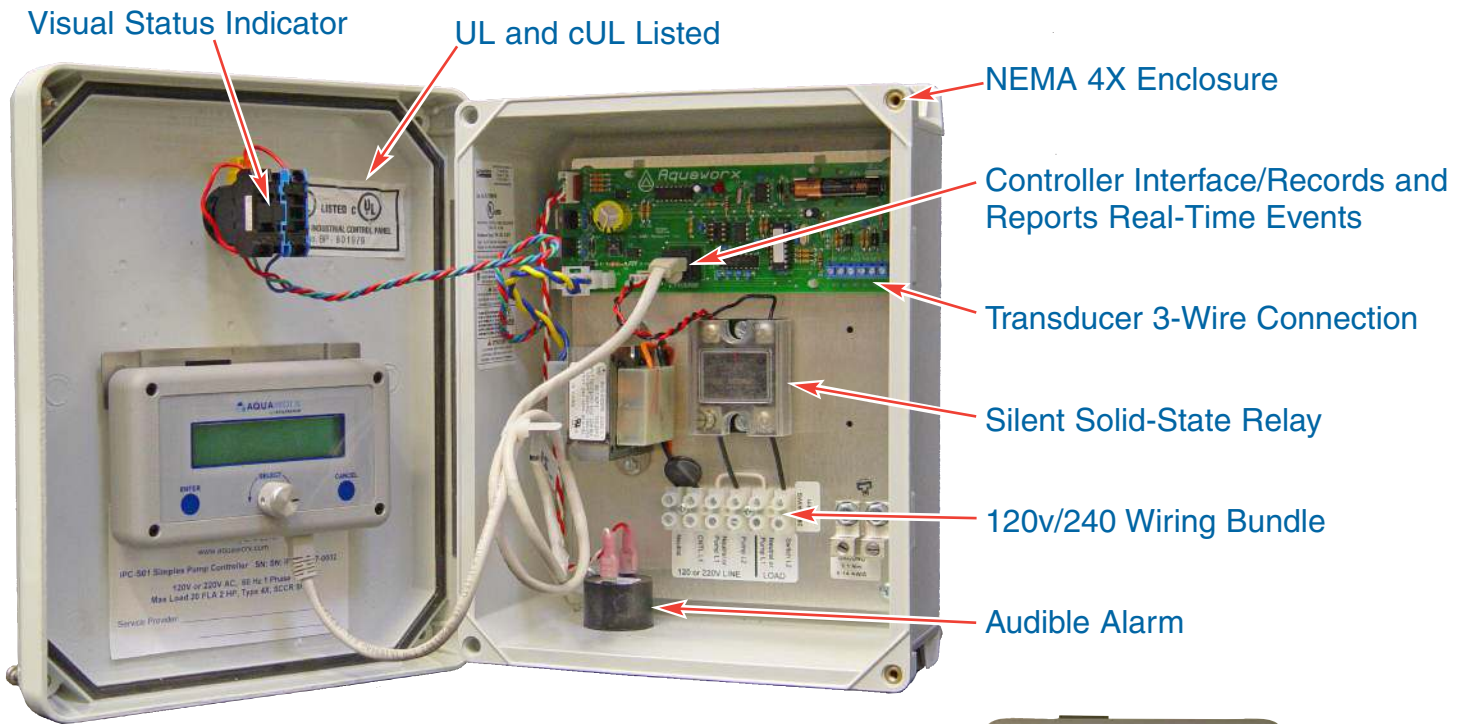
IPC Standard Features	
<ul style="list-style-type: none">• 115 VAC, 20 FLA, 1HP Max. or 220 VAC, 20 FLA, 2HP Max.	<ul style="list-style-type: none">• Float-less level transducer in the pump chamber
<ul style="list-style-type: none">• NEMA 4X enclosure	<ul style="list-style-type: none">• Programmable on & off timer
<ul style="list-style-type: none">• Manual / Off / Auto Operation	<ul style="list-style-type: none">• Programmable start, stop & alarm levels
<ul style="list-style-type: none">• Audible alarm w/ push to silence	<ul style="list-style-type: none">• Date / time stamped event log
<ul style="list-style-type: none">• Visual alarm	<ul style="list-style-type: none">• Visual heartbeat indicator
<ul style="list-style-type: none">• Automatic reset panel and alarm	<ul style="list-style-type: none">• Real time clock w/ battery back-up
<ul style="list-style-type: none">• UL/cUL listed	<ul style="list-style-type: none">• Exclusive VETO feature
<ul style="list-style-type: none">• Built in dose counter and pump run time meter	
<ul style="list-style-type: none">• Can be wired to both 120V or 240V without any alterations	
Options	
<ul style="list-style-type: none">• Built-in MARC controller	
<ul style="list-style-type: none">• External alarm input	
<ul style="list-style-type: none">• Remote alarm panel	
<ul style="list-style-type: none">• Intrinsically safe barrier (Class I, Division I)	

The Aquaworx IPC provides an innovative approach to pump control. Designed specifically for the onsite industry, the IPC Panel leverages simple pressure transducer technology for the enhancement of pump system performance, and ease of installation. Relying on an embedded microcomputer in the pump controller and a float-less level transducer in the pump chamber, the IPC Panel monitors liquid levels, controls pumping time intervals, and logs events in real time. Using the MARC handheld controller as the user interface, the Aquaworx IPC Panel offers a cost-effective solution with expanded capability.

The data logging capabilities of the IPC Panel enables monitoring of multiple types of system events, enhancing operational assessment, troubleshooting, and maintenance of the system. The IPC Panel utilizes the MARC handheld controller to collect system data and transfer it to PC-based applications.

To find out how Aquaworx Control Panels can work for you, just contact an Aquaworx sales associate at 1-877-278-2979.

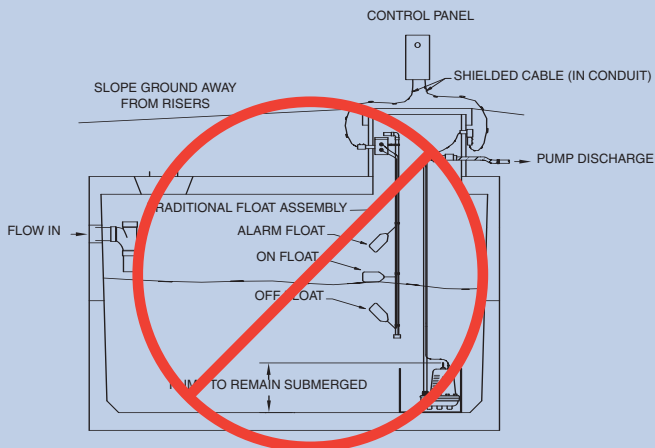
Aquaworx IPC Pump Control Panel



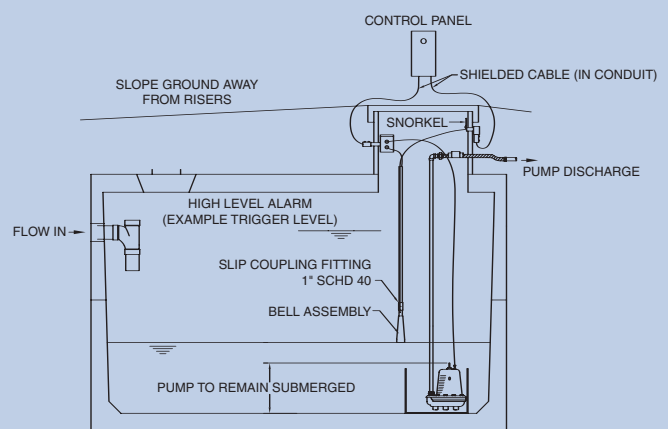
Aquaworx MARC Handheld Controller
 An alternative to the current palm/PDA



Traditional Float Switches



New Float-less Pressure Transducer



P.O. Box 768 • Old Saybrook, CT 06475

1-877-278-2979