

Pump Controller 2 Changer Mounted Water Supply

(INJ-PMWT-PC2)



Installation Instructions



9/16" (15.8mm)
Socket Wrench

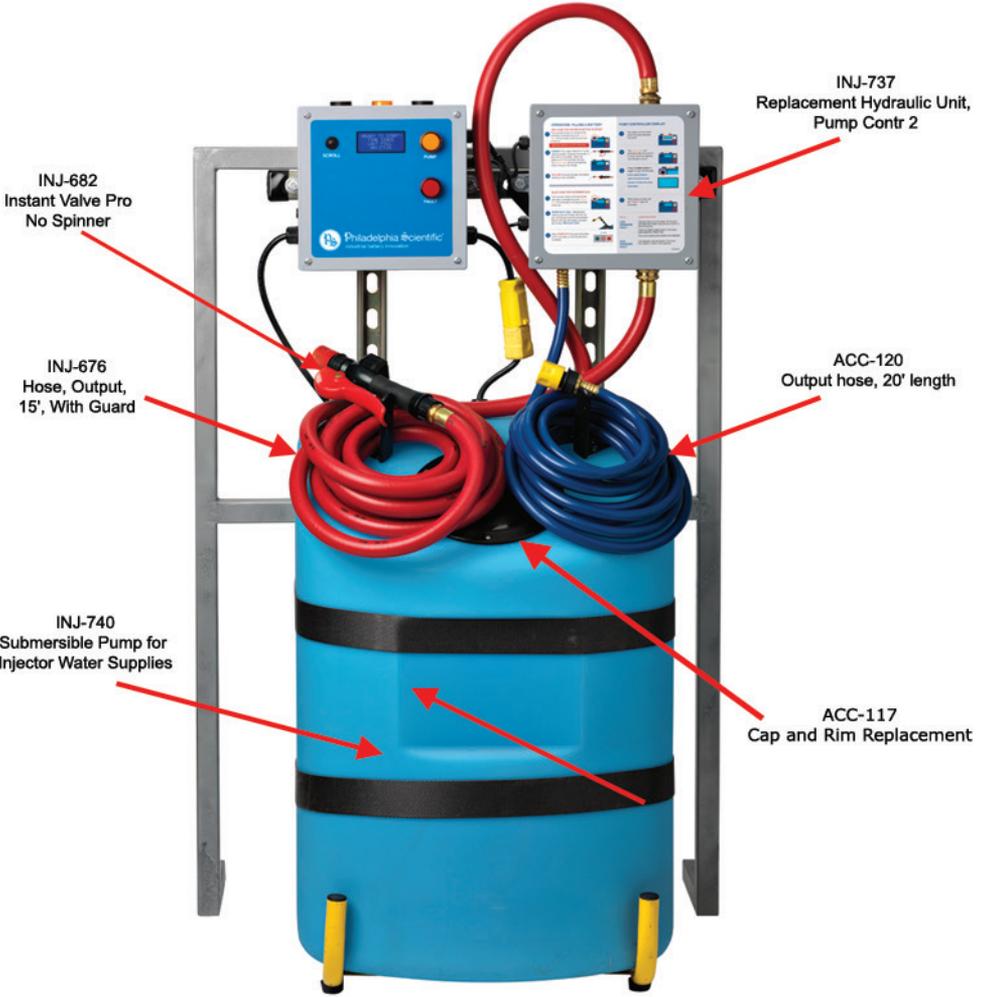


9/16"
Open Wrench



Tape
Measure

Product Anatomy



The Philadelphia Scientific Watering Gun can be used with the blue hose and is sold separately (GUN-X).



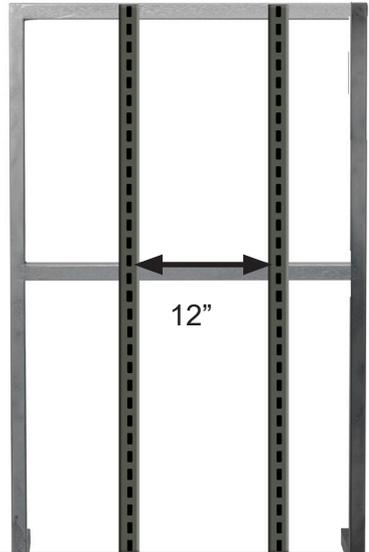
Install Pump Controller

The battery extractor must have 115 VAC outlet on the rear of the unit. If there is no outlet contact your changer manufacturer for options.

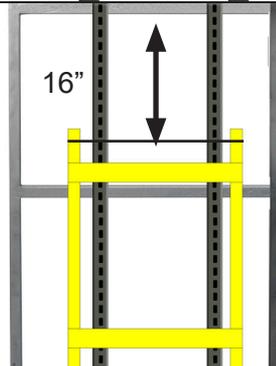
If you are replacing an existing unit, you should empty the water from the tank before attempting to remove it.



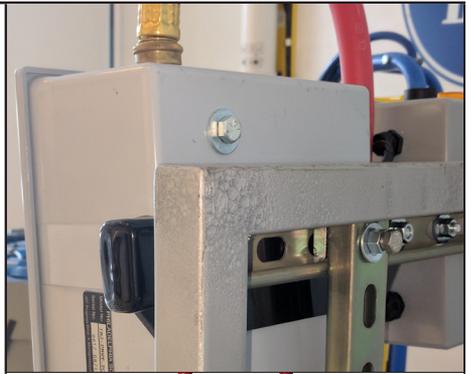
Install the two long Unistrut components vertically onto the extractor using either the existing hardware or four 3/8"-16 nuts and bolts of the appropriate length (not included). Horizontal position is 12" (30.5 cm) apart. Vertical position will determine the final height of the tank and controller. If the extractor frame does not have holes drilled in the correct location, you will have to drill the holes 12" apart as specified in the instructions with a 7/16" drill bit.



Install the yellow frame onto the Unistrut using the four 1" bolts provided; position the frame so that the top is roughly 16" (40.6 cm) from the top of the Unistrut.



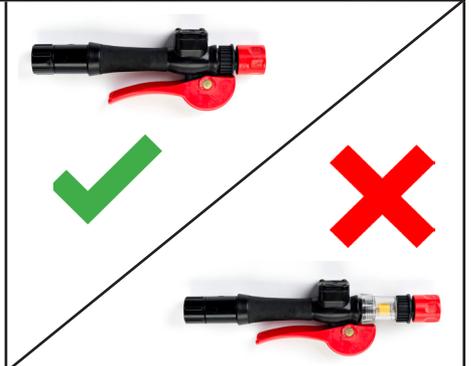
Place the Pump Controller Assembly (which is already mounted on the horizontal Unistrut) using the two 1.5" bolts provided onto the vertical Unistrut pieces. This assembly should be mounted as far up the vertical Unistrut as possible. The vertical position is important to maintain the proper distance for the connector hose. Both Modules are the same size. The horizontal position is also important; the right side of the Pressure Control Module should be 3" (7.6 cm) from the right side of the blue tank.



Install the connector hose from the end of the brass fitting assembly to the top of the Pressure Control Module as shown.



Install the hose and IVP without spinner assembly to the bottom right of the gray box. The IVP with the spinner must not be used with this system. If the IVP with the spinner is to be kept as a spare, the spinner must be covered with tape.



Install the optional blue hose to the bottom left of pressure control module. Attach yellow quick-connect to the end of the blue hose for use with a watering gun.



Plug the pump cord from the tank into the yellow receptacle on the pump controller. Plug the unit into the extractor to turn on the system. Secure the excess wire to the frame with provided cable ties.



Remove tank lid and fill tank with deionized water.



Once the tank is full, prime the pump. Aim the Instant Valve into the tank, squeeze the valve and hold it open. Press and hold the start button until the unit displays "Priming" Hold the start button and the IVP simultaneously for five seconds, release the start button and then release the IVP.



Operation of the Pump Controller

OPERATION: FILLING A BATTERY

RED HOSE FOR WATER INJECTOR SYSTEM™

- Push the start button on the top of the controller to activate the pump. **Yellow light** will illuminate on the top and front of the unit.

NEVER USE WATERING GUN WITH RED HOSE


- CONNECT** the Instant Valve Pro™ to the watering system. Squeeze the handle to start flow to the system. When the battery is full, the controller will stop. The **yellow light** will turn off signaling when to let go of the handle.

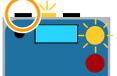


- RELEASE** the quick-connect, the battery watering is now complete.



BLUE HOSE FOR WATERING GUN

- Push the start button on the top of the controller to activate the pump. **Yellow light** will illuminate on the top and front of the unit.


- WATER EACH CELL** - Remove the watering cap and fill each cell with the gun until the gun turns off automatically. Move to the next cell repeat until each cell is filled. **REPLACE CAPS.**

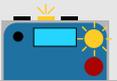

- When **COMPLETE** the pump will remain on for 5 minutes, or until the red button is pressed.



PUMP CONTROLLER DISPLAY

- The display will illuminate when the pump controller has power.


- The **yellow light** will illuminate when the pump is running. Continue watering until the light turns off.


- Press the **black button** to toggle through the following:

 - Pump output pressure
 - Total run hours for pump
 - Number of battery-fill cycles
 - Fault status
- When there is a fault, the red "**FAULT**" light will illuminate.



FAULTS

LOW PRESSURE FAULT

CORRECTIVE ACTIONS

The tank has run out of water. Fill the tank with deionized water. Hold the start button to prime the pump.

There is a leak or disconnect in the output hose assembly. Repair leak.

The pump is failing and needs to be replaced.

HIGH PRESSURE FAULT

The regulator was damaged or removed from system. Install a new regulator.

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Detailed operating instructions are on the Pressure Control Module.

Start Button

The screen displays the pump status when the Pump Controller has power.



The yellow lights will illuminate when the pump is running. Continue watering until the light turns off.

When there is a fault, the red "FAULT" light will illuminate. The screen will detail the fault.



Use the scroll button to move between the display screens.



-READY TO START- TIME SINCE LAST FILL 00:00:00 (DD:HH:MM)
---BLUE FILLS--- LAST 7 DAYS 0 SINCE RESET 0 TOTAL 0
---RED FILLS--- LAST 7 DAYS 0 SINCE RESET 0 TOTAL 0
---PUMP HOURS--- SINCE RESET 0.0 TOTAL 0.0
PRESS SCROLL BUTTON FOR 5 SECONDS TO RESET COUNTER

Current Pump Status

Blue fills (Watering Gun)

Red fills (Water Injector System™)

Pump Hours

Reset Values

HydroPure™ Deionizer System

The lowest cost source of pure battery water!

The system comes with everything you need to make your own pure water right from your own tap: a wall-mounting plate, one high-capacity Deionizer cartridge, purity light, hose hanger, quick connects and input and output hoses. Installation takes just minutes — and replacing spent cartridges takes just seconds.

Battery water should be free from metallic impurities because they can affect cell voltages and self-discharge. Also to be limited are calcium and magnesium compounds found in hard water because these may cause mossing and dendrite growth through the separators. Note that these impurities are dissolved in the water and cannot be removed by conventional filters.

Part Number: PS-300



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