

## Proportional Injection System SINGLE – Start-up Instructions



### IMPORTANT!

Key for optimum performance:

**READ THE MANUALS for the Pump, PCM, Filter and Water Meter for proper safety and complete operation instructions.**

1. Select a dry location to mount panel to avoid water intrusion. When selecting the location, note the water flow direction as indicated on the filter of the panel flow assembly. Location should allow mounting hardware to be anchored into studs or concrete to support the weight of the panel.
2. Isolate and depressurize the water system.
3. The length of the panel's slip socket connections clearance required is 31 1/4". For existing water systems cut necessary length of pipe to insert panel.  
NOTE: Two 1" to 3/4" reducer couplings are included in the accessory kit to allow unit to adapt to 1" piping systems.
4. Mark location of lag bolt holes 12 3/8" above center line of the horizontal pipe.
5. Secure wall mount bracket to wall studs using the included lag bolts or other suitable hardware. Hang panel on to wall mount bracket.
6. Glue stubbed cut pipe into slip socket.

After glue is cured, hand tighten the union connections.

7. Install one of the provided filter screens with o-ring into the filter body. For high turbidity water, use the more porous screen (30 mesh). Install filter cover hand tight. Close ball valve on filter cover.
8. Cut necessary length of suction tubing and connect to the suction side of the pump head which is the threaded fitting closest to the panel. Secure the weighted strainer to one end and secure the tubing to the pump tube fitting with the provided nut and ferrule. **DO NOT** use wrenches or threading tape. Connection needs to be finger tightened.
9. Attach discharge tubing into injection fitting with the remaining nut and ferrule.
10. Priming of Pump
  - a. Remove the four screws on the power cord cover and disconnect the pump power cord from the PCM and plug into a 120V outlet or leave cover on and run a temporary extension cord to the male end of the pump cord.
  - b. Turn pump power switch on and observe the chemical being drawn from the solution tank.

c. When chemical reaches the injection point turn pump off.

11. Plug pump back into the PCM. Plug PCM power cord into a 120V receptacle and reinstall cord cover if applicable.
12. Open the 2 ball valves slowly, pressurize system with water and turn pump power switch to "on".
13. Run water through the system and fine tune chemical readings by adjusting the PCM dial. If desired lock the PCM setting with set screw on the dial.
14. Slide roof into pump mounting bracket over motor.

**⚠️ WARNING** When pressurizing the system gradually allow water to flow. Shocking the meter by over speeding it with high flow rates can damage the internal assembly.

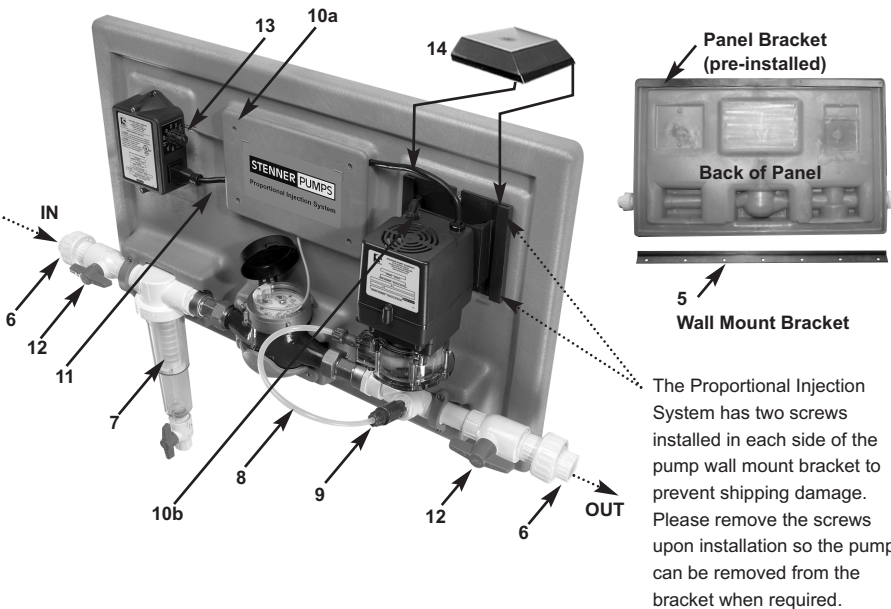
**⚠️ CAUTION** Ensure the piping is properly supported both upstream and downstream of the panel.

**⚠️ FOR INDOOR USE ONLY.**

**⚠️ It is the installer's responsibility to comply with all national and local plumbing and electrical codes.**

**Limited Warranty:** This warranty applies to the Proportional Injection System panel and mounting items only. The PCM and Pump are covered under separate warranties stated in the product manuals included. The component manufacturers' warranties apply to the flow assembly parts such as filter, meter, valves, fittings, etc. Stenner Pump Company will for a period of one (1) year from the date of purchase (proof of purchase required) repair or replace – at our option – all defective parts. Stenner Pump Company is not responsible for any removal or installation costs. Stenner Pump Company will incur shipping costs for warranty products shipped from our factory in Jacksonville, Florida. Any tampering with major components, chemical damage, faulty wiring, weather conditions, power surges, or products not used with reasonable care and maintained in accordance with the instructions will void the warranty. Stenner Pump Company limits its liability solely to the cost of the original product. We make no other warranty expressed or implied.

**Disclaimer:** The information contained in these instructions are not intended for specific application purposes. Stenner Pump Company reserves the right to make changes to prices, products, and specifications at any time without prior notice.



The Proportional Injection System has two screws installed in each side of the pump wall mount bracket to prevent shipping damage. Please remove the screws upon installation so the pump can be removed from the bracket when required.



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## Proportional Injection System DUAL – Start-up Instructions



### IMPORTANT!

Key for optimum performance:

**READ THE MANUALS for the Pumps, PCMs, Filter and Water Meter for proper safety and complete operation instructions.**

1. Select a dry location to mount panel to avoid water intrusion. When selecting the location, note the water flow direction as indicated on the filter of the panel flow assembly. Location should allow mounting hardware to be anchored into studs or concrete to support the weight of the panel.
2. Isolate and depressurize the water system.
3. The length of the panel's slip socket connections clearance required is 36 3/16". For existing water systems cut necessary length of pipe to insert panel.  
NOTE: Two 1" to 3/4" reducer couplings are included in the accessory kit to allow unit to adapt to 1" piping systems.
4. Mark location of lag bolt holes 16 3/8" above center line of the horizontal pipe.
5. Secure wall mount bracket to wall studs using the included lag bolts or other suitable hardware. Hang panel on to wall mount bracket.
6. Glue stubbed cut pipe into slip socket. After glue is cured, hand tighten the union connections.

7. Install one of the provided filter screens with o-ring into the filter body. For high turbidity water, use the more porous screen (30 mesh). Install filter cover hand tight. Close ball valve on filter cover.
8. Cut necessary length of suction tubing and connect to the suction side of the pump heads which is the threaded fitting closest to the panel. Secure the weighted strainer to one end and secure the tubing to the pump tube fittings with the provided nuts and ferrules. **DO NOT** use wrenches or threading tape. Connection needs to be finger tightened.
9. Attach discharge tubing into injection fittings with the remaining nuts and ferrules.
10. Priming of Pumps
  - a. Remove the four screws on the power cord cover and disconnect the pump power cords from the PCMs and plug into a 120V outlet or leave cover on and run a temporary extension cord to the male end of the pump cords.
  - b. Turn pump power switches on and observe the chemical being drawn from the solution tanks.
  - c. When chemical reaches the injection points turn pumps off.

11. Plug pumps back into the PCMs. Plug PCM power cords into a 120V receptacle and reinstall cord cover if applicable.
12. Open the 2 ball valves slowly, pressurize system with water and turn pump power switch to "on".
13. Run water through the system and fine tune chemical readings by adjusting the PCM dials. If desired lock the PCM settings with set screw on the dials.
14. Slide roofs into pump mounting brackets over motors.

**⚠️ WARNING** When pressurizing the system gradually allow water to flow. Shocking the meter by over speeding it with high flow rates can damage the internal assembly.

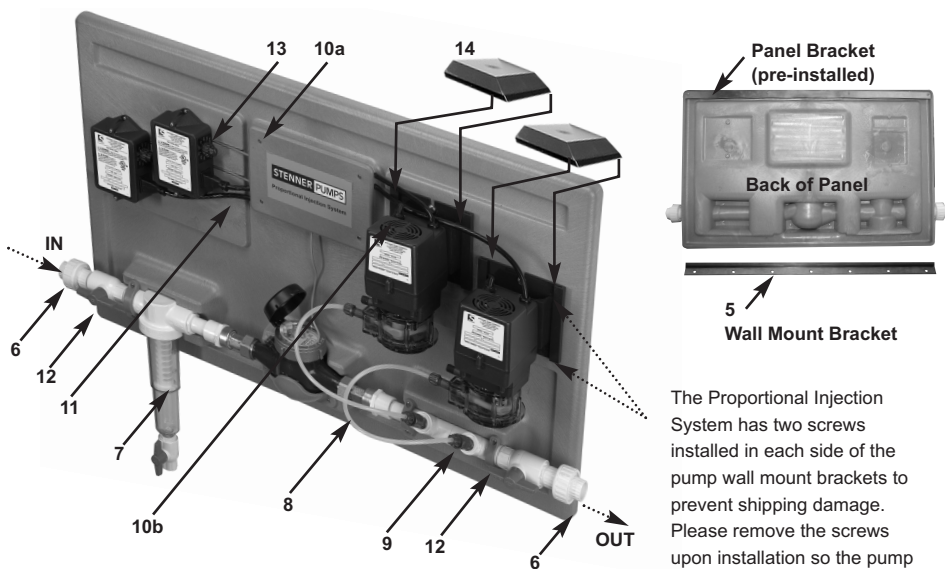
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