



HydroGEN™ PRO  
WATER VALVE

# OPERATION MANUAL

IMPORTANT SAFETY INFORMATION • DO NOT DISCARD

[www.hydroinnovations.com](http://www.hydroinnovations.com)

The HydroGEN PRO valve is intended to control water flow to the HydroGEN PRO, HydroGEN, CoolFlame, and MiniGEN CO2 units when using drain to waste cooling. Can also be used in any other application where water flow needs to be electronically controlled.

- ✧ Plugs in to a CO2 monitor and controls the water flow for drain to waste cooling for the HydroGEN, HydroGEN PRO, CoolFlame and MiniGEN CO2 generators.
- ✧ On/Off function can be controlled by any CO2 monitor or timer.
- ✧ 6' long, 120 volt power cord.
- ✧ 1/2" and 3/4" hose barbs included.
- ✧ Heavy duty brass.
- ✧ 1 year warranty.
- ✧ Can be used in any application where water flow needs to be controlled.

FREE DEMO VIDEO  
AVAILABLE AT  
YOUTUBE.COM



## IMPORTANT NOTES:

- Do not install backwards or water will flow constantly.
- Refer to arrows embossed in brass for correct flow direction.
- Use teflon tape on all threads. • Do not get the outside of the valve wet.
- Protect from freezing. • Do not hang the valve by its cord.
- Use GFCI protected outlet. • Do not get power cord plug wet.
- Install so that cord is protected from contact with water case of leak.
- Keep power cord connection above the water valve in case of leaks.
- Use hose clamps on all hose connections.

1. Test valve before installing by plugging the power cord in to a 120 volt outlet. You should hear an audible click, if not contact Hydro Innovations.

2. The valve can only be installed in one direction or it will not operate properly. There is an arrow molded on top of the brass housing showing correct flow direction. If the valve is installed backwards it will not shut completely, allowing the water to flow continuously.

3. Install supply and return lines using either 1/2" PVC fittings or the supplied hose barb fittings with 1/2 tubing. Use teflon tape on all threads.

4. If using the hose barbs fittings slip the tubing up as far as possible on the barb and be sure to use the supplied hose clamps to prevent any leaks.

5. The HydroGEN PRO, HydroGEN, and CoolFlame can be turned on and off with water flow. To use, plug the power cord for the valve in to your CO2 monitor or a timer. Use an extension cord if necessary but always keep any electrical connections above the valve in case of leaks. When power is supplied to the valve it will open, allowing water to flow to the water-cooled CO2 generator and turning it on. When the timer or monitor cuts power to the valve, the valve closes, turning off water flow and the CO2 generator along with it. Since the MiniGEN is not activated by water flow, the valve and the MiniGEN should both be plugged in to the CO2 monitor so that they turn on and off together.

• **BE SAFE** •  
PLEASE READ ALL  
INSTRUCTIONS CAREFULLY  
BEFORE OPERATING