

PumpWiz™, solution to energy conservation and pump protection



PUMP OUTLET

Congratulation, you have purchased the patent pending PumpWiz™ product and this is the only one in market that automatically turns your pump on and off from outside of the pump. This unit can handle up to 10 Amp in 120 V.

- **PumpWiz™** makes your pump automatic
- Patent pending in US and internationally
- Saves energy and saves your pump from dry run
- Shuts off the pump in no flow situation
- Controls your liquid elevation $\pm 3/16$ " in Afras pump and may varies in other brands
- Works with most fluids
- Turns on the pump automatically when there is liquid exist
- Turns off the pump if liquid has been removed
- Checks continuously for liquid if there is any, and if is not, stays off
- It works with pumps from 1/10 hp up to 3 hp
- Just plug it to any standard outlet and connect your pump to it
- Equipped with Amp draw and Amp setting indicator/display
- Equipped with time counter
- Equipped with on/off switch
- Compatible with most brands and makes pumps

General Safety:

- Electrical specification: 115 VAC, single phase, 60 hz.
- PumpWiz™ is supplied with three prong grounding plug.
- PumpWiz™ connected electrical plug should always be electrically grounded to a suitable electrical ground.
- PumpWiz™ user must know the application, limitations, power requirements and potential hazards.
- Install a circuit Breaker and ground fault circuit interruption (GFCI) prior to PumpWiz™

- If the PumpWiz™ has been operating satisfactorily and the functionality of it suddenly stops, remove the PumpWiz™ immediately.
- All wiring and electrical work should be done by qualified electrician.
- The PumpWiz™ must be protected from rain and high moisture.
- This PumpWiz™ is not a safety device.

Warning:

- Do not install or use it in explosive atmospheres. The PumpWiz™ is designed to be used with the cord connected liquid pump only. Wrong usage could result in property damage and/or personal injury.
- Always disconnect the power source before attempting to install, service, relocate or maintain the pump or PumpWiz™. Never touch pump, PumpWiz™, pump motor, water or discharge piping when pump is connected to electrical power. Never handle a pump, pump motor or PumpWiz™ with wet hands or when standing on wet or damp surface or in water. Fatal electrical shock could occur.
- **Risk of electrical shock!** Never cut off the round grounding prong. Cutting the cord or plug will void the warranty and make the pump inoperable.
- The installation/wiring must comply with the latest local code and the National Electric Code (NEC).

It is easy to use it:

Connect your pump to PumpWiz™ (fig-1)

Make sure your side switch is in “ON” position (fig-2)

Set your amp setting to “0” run your pump without any loading (fig-3)

Check the amp setting on the display which shows “0” amp, right after that the actual amp draw appears (there are two LED red indicator lights) which one is indicator for the amp draw and another indicates amp setting.

Set the amp draw setting to 1.3 x actual amps draw (for example, if you are reading .5 amp in no load situation you can turn the knob till you see .6 to .7 (app. 30% more than actual amp draw)

If the pump is loaded, the **actual amp draw must be higher than your setting** basically the setting need to be less than loaded pump and more than no load situation.

With the small switch located on the side next to the knob, PumpWiz™ can be turn on/off (fig-2). However, with at least 10 second delay between on/off pump can be rested.

Some tip for setting:

These settings are approximate and may change based on the different pump brands.

PUMP SIZE	APP. AMP SETTING	PUMP SIZE	APP. AMP SETTING
1/6 HP	.8	¾ HP	5.2
¼ HP	1.5	1.0 HP	6.1
1/3 HP	2.1	1.5 HP	8.1
½ HP	3.2	2.0 HP	8.5

When PumpWiz™ gets connected to power.

Pump will run for 10 seconds if there is sufficient water/fluid pump will keep running and display will show the actual amp and setting amp (setting amp is less than actual amp).

If the setting amp is more than actual amp or there is no water/fluid pump turns off and stays off for three minutes (display will show "OF").

After three minutes' pumps gets activated and if still no Water/fluid available pump goes off in 4 second (display counts from 4 to 0) and pump goes off.

During this 3 minutes of pump sleep-time counter/display will count down for ever other five second, the display shows the status "OF" and five second reverse counting, this reverse counting takes place after 90 seconds (for the first 90seconds you will see "OF" on display).

This will keep going until water/fluid exist and pump will start working continuously.

If there is water/fluid presents and pump is still off, it would take maximum of three minutes for cycle to pump gets activated, but the system can be rest just by unplugging the PumpWiz™ or turn on/off the side switch.

For reset: Disconnect the PumpWiz™ from power (when pump plug is connected) and wait 10 second and connect to the 120 V outlet or turn the side switch on/off (need to be off for 10 seconds).

