

Madimack Single Pump Controller



More functions, Less total cost!

Your Ultimate solution to allow your pool heat pump to run its water pump outside of filtration times, allowing more configurations and control options!

Main Features



Simple installation.



More configuration options



More energy savings



Requires one pump only



Fully automated control



Available for all Madimack HPs

When do you need to use a Single Pump Controller?

When only one pump is available and to run the heat pump outside of filtration times which could cause over chlorination

Why do you need to use a Single Pump Controller?

Not only you will allow the heat pump to run independantley, you will aslo save the additional unit cost for an extra pump

How much energy saving do you get when using a Single Pump Controller?

Getting your hands on a Single Pump Controller can save energy by not having to run another pump to intitiate the pool heat pump

How Can you install a Single Pump Controller?

Ask your electrician to hardwire the single pump controler to your heat pump, plug it in, and there you have it! you can check the wiring diagram that we provide with every single Pump controller as well.

Installation options

Standard configuration (No Single Pump Controller installed - Flow Switch activated)

Operation:

- 1 - Chlorinator controller initiates the filtration pump
- 2 - Built in flow switch activates heat pump
- 3 - Heat pump runs until it reaches the temperature or the filtration pump stop running.

Drawbacks:

- 1 - Heat pump might need to run over the running times of the filtration pumps.
- 2 - Chlorinator will be needed to work with the filtration pump, this can cause overchlorination and disrupt the chemical balance of the swimming pool water.



Introducing the Single Pump Controller to the previous system will solve all the drawbacks

Operation:

- 1 - Onboard output relay will initiate the filtration pump through the Single Pump Controller regardless of the chlorinator timers
- 2 - The output relay will be initiated as soon as the heat pump is turned on, the output will be running until the desired heating temperature is reached or until the heat pump is turned off by the Wi-Fi timers or manually from the round controller.
- 3 - If the unit reached temperature still within the timer set points, the unit will test the water by starting the filtration pump once an hour for 2 minutes to get an accurate temperature reading and will start heating process again if required.
- 4 - When Wi-Fi timers are set through the app, Relay switch will run the pump output accordingly.
- 5 - Timers for the heat pump are on the Wi-Fi app (If no WiFi available additional timer may be required) internal setting require changing to suit this operation.
- 6 - Chlorinator will be running independantley maintaining the right chemical balance for your pool water

