

MODPOOLS

QUICK START GUIDE



Table of Contents

- Electrical Requirements 3-4
  - Electrical Requirements 3
  - Gas Requirements 3
  - Electric Child Safety Cover 4
- Electric Cover Programming 5-7
  - Operating Instructions 5
  - Accessing Settings Menu 6
  - Calibrate Pool 7
- Filling Your Modpool 8
- Chemical Treatment & Circulation 9
- Return Lines 10
- Auto Mode 11
- Wi-Fi Kit How To 12-13
- Auto Mode (Specific to Wi-Fi Kit Only) 14-15
- Manual Mode 16-19, 21
- Spa Vs Pool Mode 20
- Cartridge Filter 22
- Drainage 23

Electrical Requirements

Electrical Requirements

One 2 pole 30A, 120/240V Service w/ Designated #6 Ground Wire – GFI breaker on the main panel required. All Electrical equipment in the Mechanical Room is grounded.

Gas Requirements

400,000 BTU Heater – Heater requires a gas supply of not less than 4”wc and not more than 14”wc.
A 1” gas line and 1” regulator must be used to connect to the heater.

Please note: Typical house gas pressure is 11”wc. Please make sure your house meter can handle the additional load. Depending on the number of gas appliances in your house, you may have to upgrade your meter to high pressure. The gas company will often do this for free. If you have a gas fitter hooking up your gas to the pool, they will be able to help you arrange this.

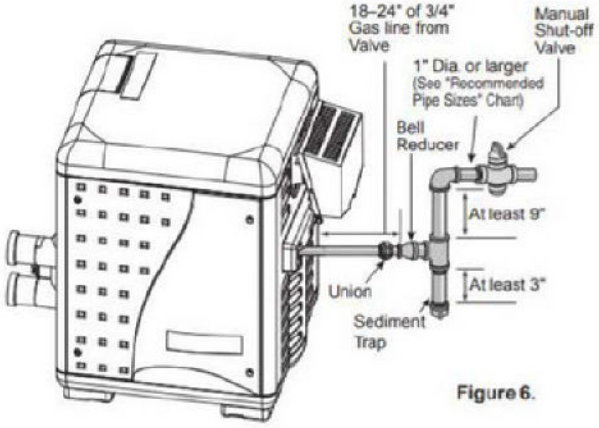


Figure 6.

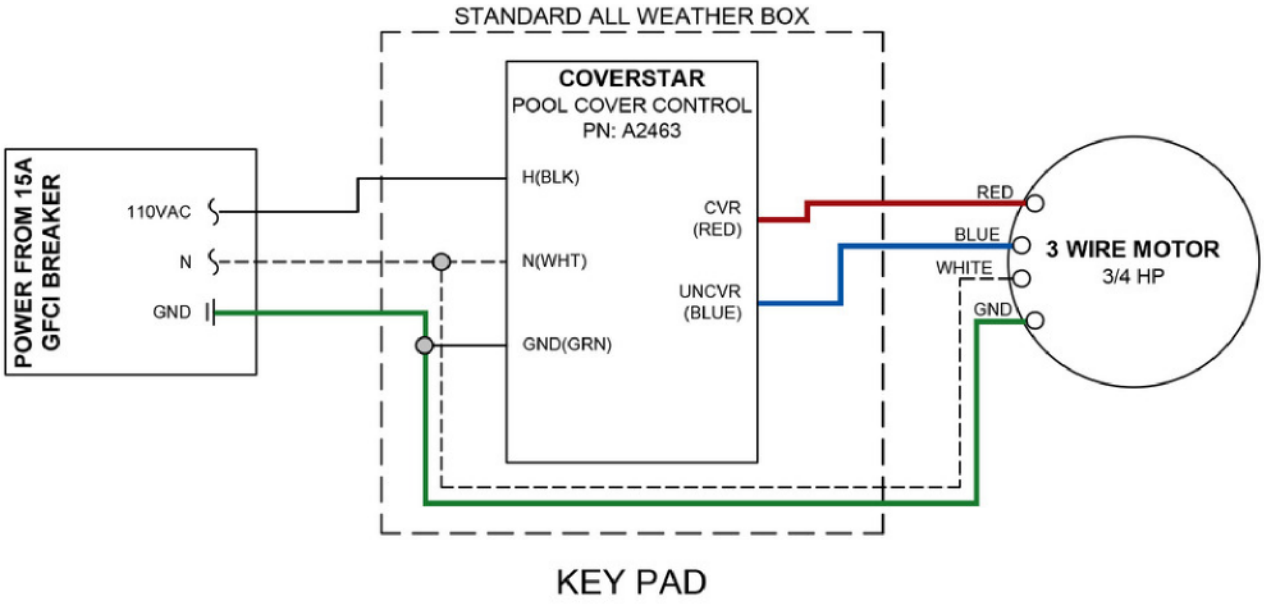
Gas Pressure	Model	Natural	Propane
		Inches W.C.	
Maximum Inlet	MT	14	14
Minimum Inlet	MT	4	4
Manifold	MT	-0.2 ± 0.1	-0.2 ± 0.1

NOTE: All readings must be taken while heater is operating. Any adjustments or readings made while heater is off will result in performance problems.

Electrical Requirements

Electric Child Safety Cover

The Electric Child Safety Cover will require an additional 15A and 110V. The keypads have a built in lid and need to be mounted in a weatherproof box on a nearby building. We recommend a Scepter brand F.D. single gang box.



Electric Cover Programming

Operating Instructions

1) Enter 4 digit passcode (Service passcode 5991 – Default User passcode 1234).

2) Press and hold “Cover” or “Uncover” buttons until cover is in desired position.

3) The keypad will automatically lock after the timeout specified (default 20 seconds) Accessing settings menu: 1. Enter Service passcode (Menus are only accessible from User 1 or Service passcodes) 2. Press the “Press for Service” button 3. Press Select (5)button to enter menu.

4) Cover cycle count will be shown.

5) Use Up(2), Down(8) and Select(5) to navigate the menu options

6) Press the “Press for Service” button at any time to leave the menu option.

Note: Please do not hold down the buttons once the cover is fully opened or fully closed. This will put a strain on the motor and cover and could cause damage.

Electric Cover Programming

Accessing Settings Menu

1) Enter Service passcode (Menus are only accessible from User 1 or Service passcodes).

2) Press the “Press for Service” button

3) Press Select (5)button to enter menu

4) Cover cycle count will be shown.

5) Use Up(2), Down(8) and Select(5) to navigate the menu options

6) Press the “Press for Service” button at any time to leave the menu option.



Electric Cover Programming

Calibrate Pool

The touchpad can be calibrated for the specific pool it is installed on. This calibration will teach the touchpad what the electrical current consumption is (for retrofit models) and what the transit operation time will be in normal operation. The touchpad utilizes this information to determine over currents and cycle calculations.

1) Access the service menu using the service passcode (5991).

2) Press the down arrow (8) until “Calibrate Pool” is visible. Press the Select (5) button to select this option.

3) Press Select (5)button to enter menu.

4) Press Select (5) to confirm the pool is completely uncovered.

5) Operate the cover until it is in its fully covered position.

6) Press Select (5) to confirm the pool is completely covered.

7) Operate the cover until it is in its fully uncovered position.

8)Press Select (5) to confirm the pool is completely uncovered.

9) The display will show the amp draw and time of operation for both covering and uncovering the pool. Press Select (5) to accept these measurements. Press the service button at any time to cancel the process.

Filling Your Modpool

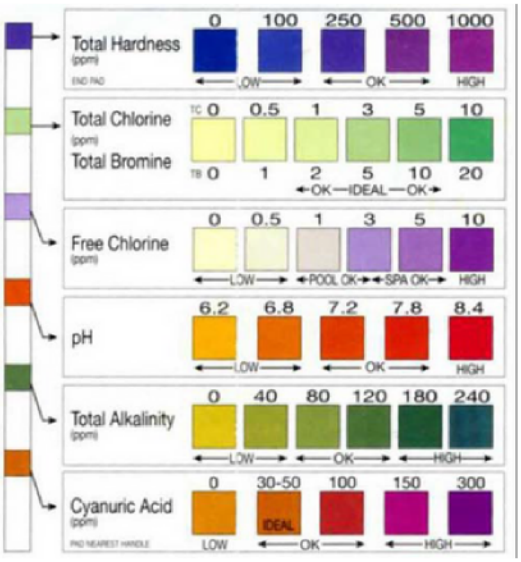
Once your gas and electrical is hooked up, you will need to fill up your Modpool! As with any other swimming pool, you can fill it up using a garden hose or a water truck.



Chemical Treatment & Circulation

You will need to test your water and add chlorine and PH balance as necessary to prepare your water for your first dip. Pool supply stores will sell test strips to tell you what other chemicals you may require.





You will need to test your water to ensure its balance and cleanliness regularly. You will be required to add chlorine* and PH balance as necessary. Both of these chemicals can be found at your local pool supply store.

If you are unsure how to test your water for the first time, you can take a sample of your water to the pool supply store to have them test it with you and show you what chemicals you will need.

*It is recommended to circulate your pool water in your Modpool for 8 hours a day @ 1800 RPM.

***Please note that using chlorine pucks and floating chlorinators is highly discouraged as they are known to damage the liner and will void the warranty. We recommend liquid chlorine or granular chlorine dissolved in water in a separate container before being added to your pool. Over-chlorinating your Modpool can damage your liner and void your warranty.**

Return Lines

Modpools are equipped with a total of three return lines.

There are 2 180GPM 2" Suction return lines shown below.



1 surface skimmer return line shown below.



Auto Mode

*For use with the wireless remotes or Wi-Fi Upgrade Kit.

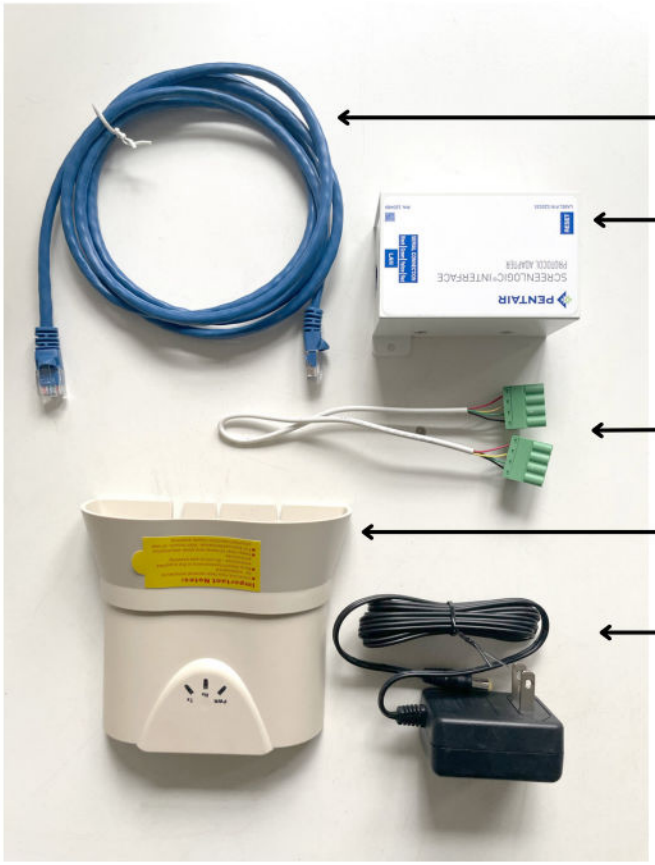
Press the MODE button until the panel screen reads the word “Auto”.

Your mode selection will show on the panel screen here



Wi-Fi Kit How To

Locate all 5 components needed to connect your Wi-Fi.



Insert one end of the green plug into the Wi-Fi antenna and one end into the Pentair ScreenLogic box.

Plug one end of the ethernet cable into the Pentair ScreenLogic box and the other end into your home Wi-Fi modem/router.

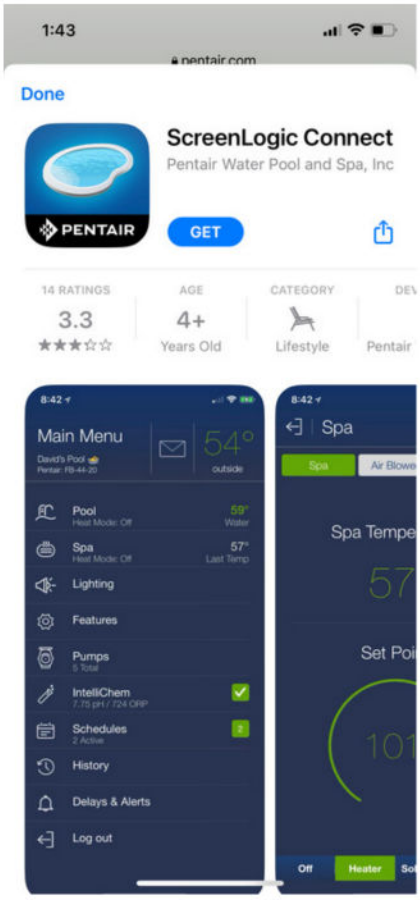
Plug the AC power adapter into the Wi-Fi antenna and then plug the device into your wall outlet.

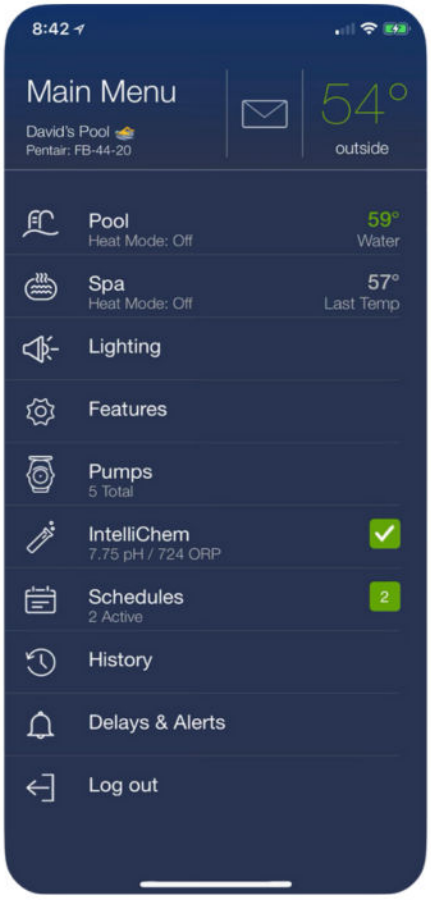
Once you have all your Wi-Fi pieces together and connected, along with your Modpool, you're ready to download the Pentair ScreenLogic Connect App.

See next page.

Wi-Fi Kit How To

The Pentair ScreenLogic Connect app is available for download on both the Apple Store and Google Play Store.





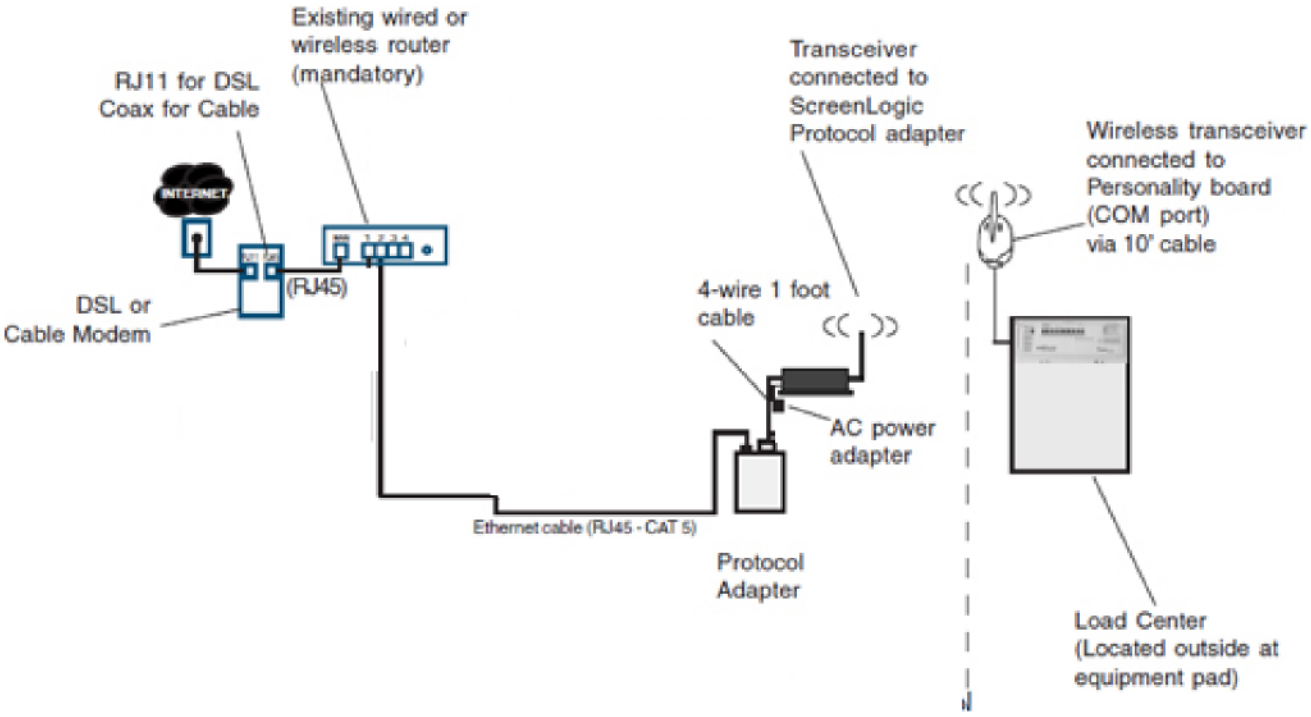
Once the app is downloaded and you are within Wi-Fi range, your phone should recognize your Modpool as a local connection and display your home screen which will show your heater temperature, spa mode, jets, etc.

Good To Know

If you want to stay connected to your Modpool outside of the Wi-Fi range, be sure to open the app, select "Remote" and where it says "username" enter the 6 digits on the side of your ScreenLogic box (xx-xx-xx), the password, unless you have changed it, will be defaulted to "guest".

Auto Mode
For Wi-Fi Kit ONLY

Make the following connection between your Router | Protocol Adapter (Shipped with pool) | Transceiver (Shipped with Pool)



Auto Mode
For Wi-Fi Kit ONLY

Download the Screen Logic Pentair App to control your pool via your desired device.



Manual Mode

Press the MODE button until the panel screen reads the words “Service Mode.”

Your mode selection will show on the panel screen here



Press the F to turn on the pump relay. The area above the F button will light up when the pumps are active.



If the area above the F button is illuminated the pumps are active.



Manual Mode

Press the 1 button to turn on your LED lighting. The area above the 1 button will light up when the LED lights are active.



If the area above the 1 button is illuminated the LED lights are active.

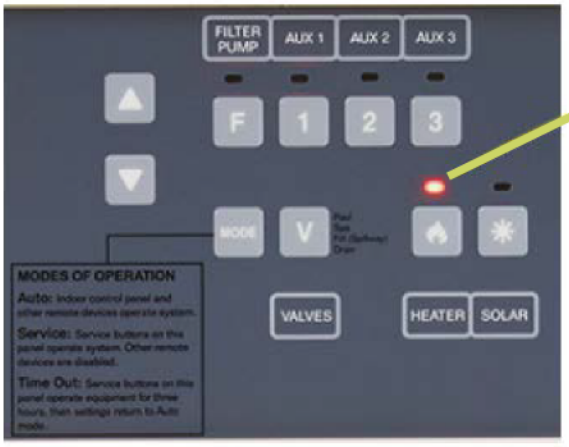


Manual Mode

To turn on the heater, locate the LCD panel on the heater and press pool on, then use the arrow keys to select the desired temperature.



The button with the flame symbol represents your gas heater. When the area above the flame symbol is illuminated, your heater is active.



When the area above the flame button is illuminated, your heater is active

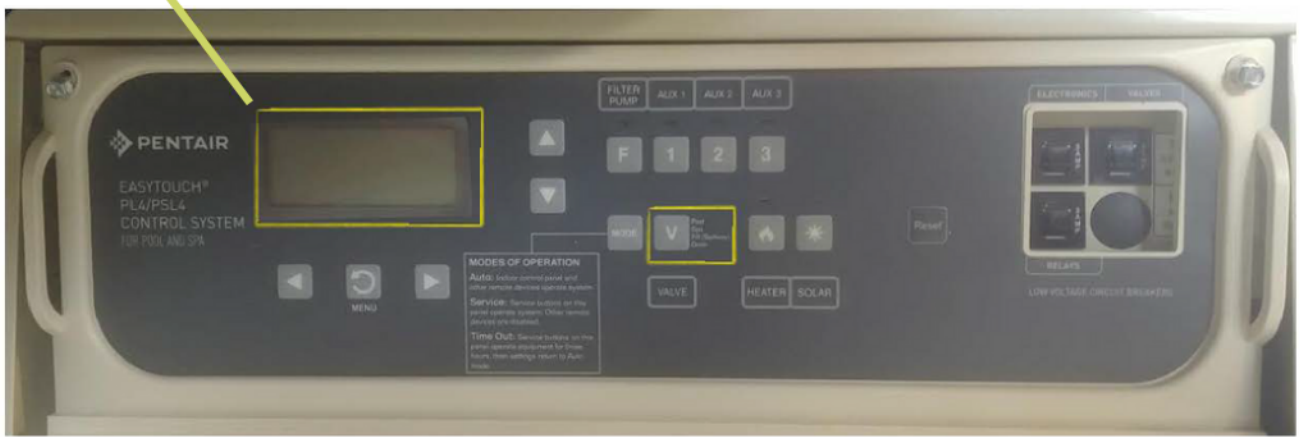


LCD Panel

Manual Mode

Press the V Button to toggle between Pool Mode and Spa Mode. Your selection will show on the control panel screen.

Your selection will show on the panel screen here



Spa Vs Pool Mode

20’ and 40’ Modpools offer two operating modes, Spa & Pool mode.

Pool Mode:
The pool pump will draw water from the two sections and the pool skimmer for water circulation and/or heating.
Spa jets will not be activated.

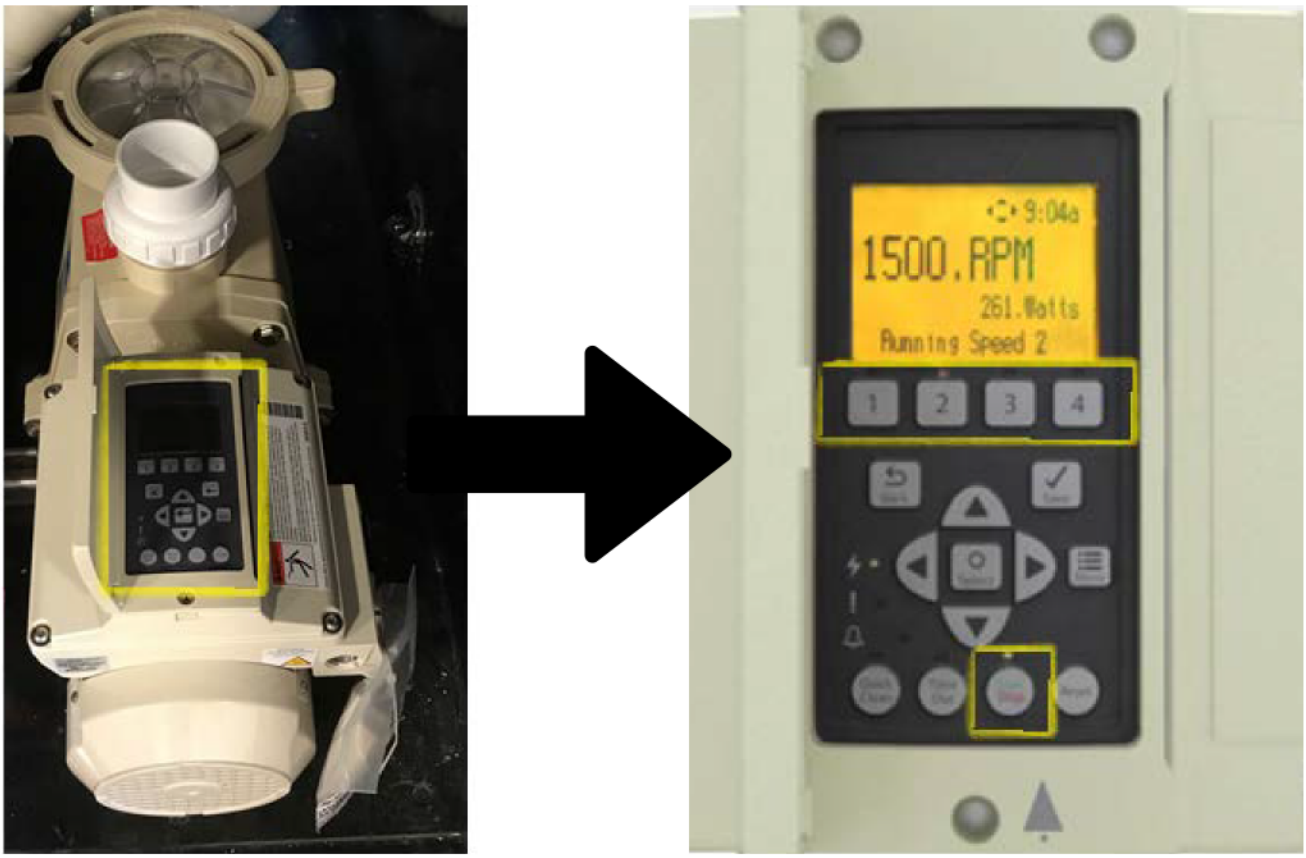


Spa Mode:
The pool pump will draw water from the two sections for water circulation and/or heating.
Spa jets will be activated.



Manual Mode

On the pumps LCD Display panel, Press the Start/Stop Button & Select a pre-set speed using buttons #1-4.



Cartridge Filter

It is recommended that every 4 weeks, you open the cartridge filter and remove the interior filter and rinse with a garden hose. On average, cartridge filters will need to be replaced once a year.

Push down on this lever and turn the ring to remove the cartridge lid



Cartridge Filter



Interior Filter

Drainage

In the mechanical room, there is a 2” Female threaded drain that can be used to empty the pool down to a 4” water level. The remaining water can be drained via a submersible pump.

There are two shut-offs marked with red that need to be turned in order to drain the Modpool.

You will need to purchase a 2” male thread and hose or other adapter if you wish to drain the Modpool into a sump pump or any distance away.

