



INSTRUCTION MANUAL FOR POOL HEAT PUMPS

FC/PV/PVT/TR SERIES

SUMMER 2026 EDITION





**THE MOST INNOVATIVE
AND HIGH-PERFORMANCE
POOL HEAT PUMPS IN THE WORLD**

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The TR series does not include variable speed ventilation or the acoustic compressor cover.

CONGRATULATIONS ON YOUR PURCHASE

Your new Nirvana pool heat pump is designed and manufactured in Canada and is recognized for its efficiency and reliability.



Designed and Manufactured in Canada



Energy Efficient

OPERATION

This heat pump is equipped with a large-surface evaporator that extracts heat from ambient air and transfers it to pool water through a titanium heat exchanger. This method is **significantly more economical** than natural gas, propane, or electric resistance pool heaters.

Continuous use of a Nirvana heat pump allows you to maintain the desired water temperature while **generating savings** of more than 7 times compared to the heating systems listed above.

INSTALLATION

To obtain maximum performance from your pool heat pump, the installation site is critical. The pool heat pump extracts heat from ambient air and transfers it to the pool water.

It is important to leave a minimum **clearance of 24 inches (60 cm) around the unit** and ensure the **top of the heat pump remains CLEAR**.

The pool heat pump must be installed **outdoors on a flat, level surface independent of the house foundation**. It is important **not to place the unit under a roof**. We recommend a concrete slab or patio stones (image 1).

IMPORTANT

The top of the heat pump must be kept **CLEAR**.

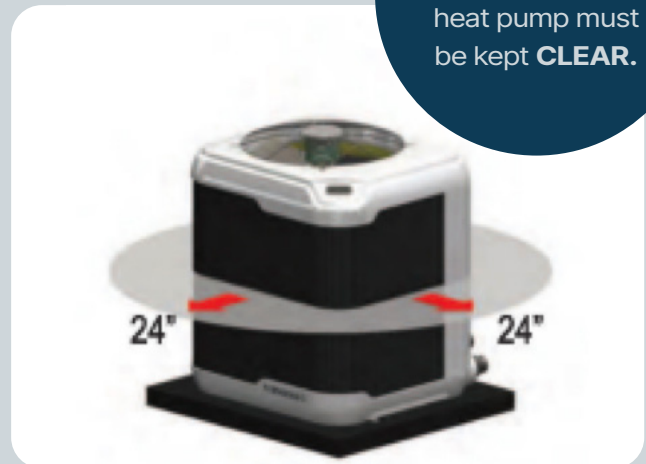


IMAGE 1: Minimum clearance

BYPASS SYSTEM

Although the bypass system is not required for proper operation of your pool heat pump, we strongly recommend its use (image 2) to facilitate maintenance and winter shutdown of your pool heat pump.

IMAGE 2: Bypass system



ATTENTION



ELECTRICAL CONNECTION

The electrical connection **must be performed by a professional** in accordance with national, provincial, and municipal standards.

This unit must be connected to a circuit breaker with sufficient capacity.

The wiring diagram is located inside the electrical panel. The connection requires a single-phase 240 V electrical panel. To avoid installation of a GFCI breaker, the heat pump **must be located more than 3 m (10 ft) from the pool**.

INSTALLATION DIAGRAM

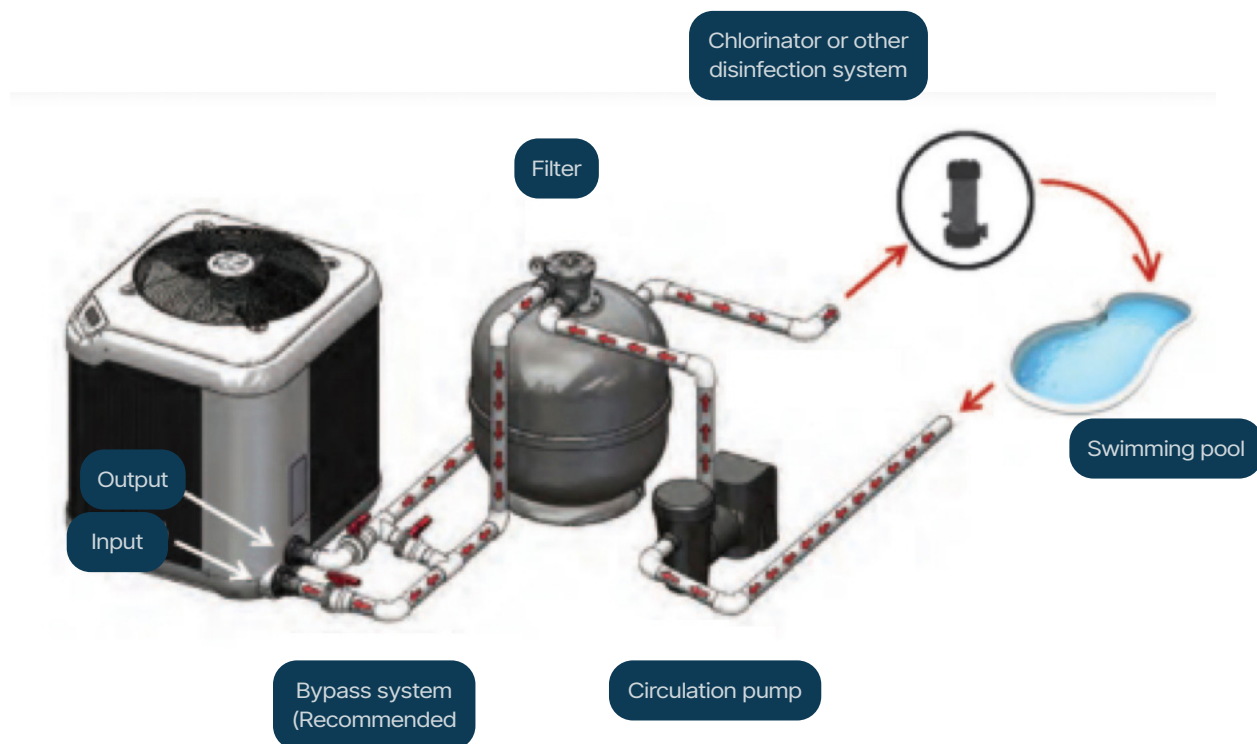


IMAGE 3

WATER CIRCUIT CONNECTION

1. Connect the water inlet and outlet as identified in the installation diagram.
2. Once all connections are completed, start the circulation pump to verify water pressure and ensure all connections are leak-free. The recommended water flow rate is indicated in your Nirvana heat pump brochure.
3. Pipe connections to your pool heat pump may be performed by a certified technician or by yourself, provided the above diagram is followed (image 3).



WARNING



The recommended water flow rate is indicated in your Nirvana heat pump brochure. Refer to it.

CONTROLLER SETTINGS DIAGRAM

ELECTRONIC DISPLAY

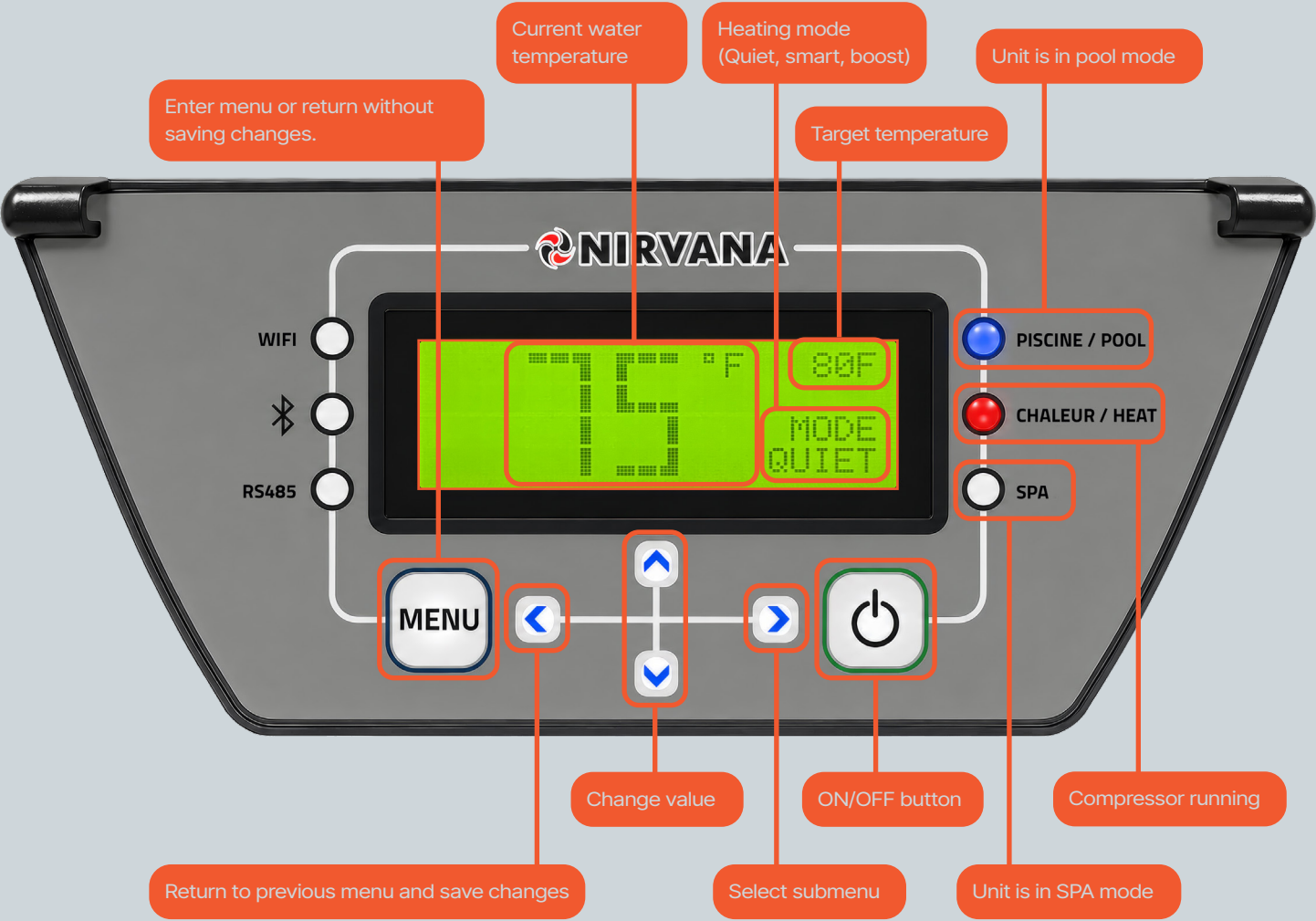
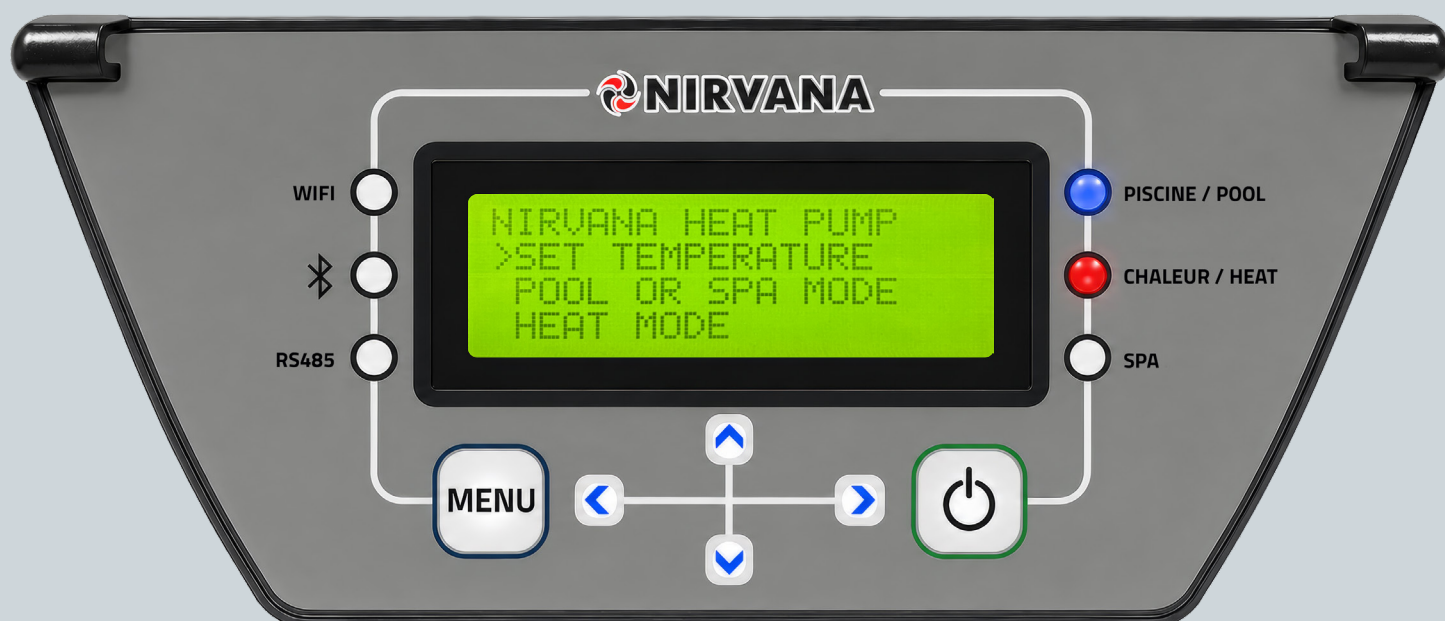


IMAGE 4: Control panel

ELECTRONIC DISPLAY

TEMPERATURE ADJUSTMENT



TEMPERATURE ADJUSTMENT

Adjust the desired temperature using the up and down arrows and confirm your selection with the left arrow.

TEMPERATURE ADJUSTMENT:

(Interface – press menu button)



This is the main interface for all functionalities. Press the **MENU** button to display all available options.

TEMPERATURE ADJUSTMENT:

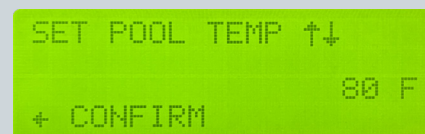
(Target temperature)



Access the temperature adjustment feature according to your preferences. Use the right arrow to enter the option.

TEMPERATURE ADJUSTMENT:

(Adjust target temperature)



Temperature adjustment for **pool/spa**. Up and down arrows adjust the value, the left arrow confirms the selection.

| ELECTRONIC DISPLAY

POOL/SPA SELECTION

POOL OR SPA MODE SELECTION

POOL OR SPA MODE SELECTION:

(Selection option)



NIRVANA HEAT PUMP
SET TEMPERATURE
>POOL OR SPA MODE
CLOCK TIME

Access the **pool/spa** mode feature using the right arrow.

POOL OR SPA MODE SELECTION:

(Selection confirmation)



SET MODE ↑↓
+ CONFIRM POOL

Select **pool/spa** mode using the up or down arrows and confirm with the left arrow

FC SCREEN HEATING MODE WITH SMART FAN TECHNOLOGY (FROM MODEL FC105)

FC/TR DISPLAY HEATING MODE

DIFFERENT HEATING MODES

HEATING MODE:

(To heating mode)

```
NIRVANA HEAT PUMP
SET TEMPERATURE
POOL OR SPA MODE
>HEAT MODE
```

Access the Smart Fan functionality within the three heating mode options. The right arrow is used to navigate through the option.

HEATING MODE:

(Smart mode)

```
CHANGE HEAT MODE ↑↓
                        SMART
+ CONFIRM
```

Activate **smart** mode by confirming with the left arrow. The smart fan mode maximizes the coefficient of performance (COP) of the heat pump. In other words, this mode always aims to obtain the maximum heat output per unit of energy consumed. COP values for each model are available on our website : <https://nirvanahp.com>. A higher value indicates greater energy efficiency.

HEATING MODE:

(Quiet mode)

```
CHANGE HEAT MODE ↑↓
                        QUIET
+ CONFIRM
```

Activate **quiet mode** by confirming with the left arrow. As the name indicates, this mode reduces fan speed. The immediate effect is reduced operating noise. This mode will not be active if ambient temperature is below 15°C / 60°F.

HEATING MODE:

(Boost mode)

```
CHANGE HEAT MODE ↑↓
                        BOOST
+ CONFIRM
```

Activate **boost mode** by confirming with the left arrow. This mode aims to reach the target temperature as quickly as possible by maximizing system BTU output. This mode consumes slightly more energy but can be very useful at season opening or after a cold night when the heat pump was stopped by the night timer.



WARNING



Once the target temperature is reached in boost mode, the heat pump automatically returns to smart mode

FC DISPLAY FEATURES WITH SMART FAN TECHNOLOGY, STARTING FROM MODEL FC105

FC/TR DISPLAY HEATING MODE

HEATING MODE

If your heat pump does not have variable-speed ventilation, this option is not available.

IF AVAILABLE, FEATURES ARE AS FOLLOWS:

QUIET MODE:

Reduces fan speed when outdoor temperature is warm. This mode does not operate below 15°C / 60°F. If the temperature drops below 15°C / 60°F, the heat pump will return to smart mode. Quiet mode reduces the BTU transferred to the pool due to reduced fan speed.

BOOST MODE:

Fan speed increases to improve the heat pump's BTU output.

SMART MODE:

Fan speed varies according to outdoor ambient temperature to achieve the best possible COP. When ambient temperature decreases, fan speed increases. When ambient temperature increases, fan speed decreases.

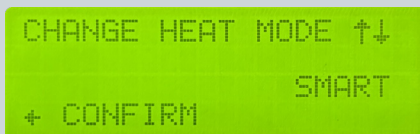
| PV/PVT SCREEN FEATURES WITH SMART FAN / ECO SMART TECHNOLOGY

PV/PVT SCREEN HEATING MODE

DIFFERENT HEATING MODES

HEATING MODE:

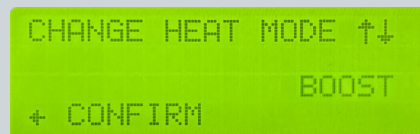
(EcoIntel smart mode)



Activate **smart / EcoIntel** mode by confirming with the left arrow. Intel mode maintains water temperature as close as possible to the target temperature while ensuring optimal energy efficiency. Once the target temperature is reached, the heat pump will restart in EcoIntel mode to maintain water temperature at approximately 67% compressor capacity (50% for PVT models), similar to economic mode. If water temperature drops more than 1.5°C / 35°F, the heat pump will return to full power to reach the target temperature. If the desired water temperature is maintained, the heat pump will provide higher energy efficiency comparable to economic mode.

HEATING MODE:

(Boost mode)



Activate **boost / performance** mode by confirming with the left arrow. Performance mode delivers 100% heating capacity to reach the target water temperature as quickly as possible. The compressor operates at full capacity and fan speed increases to capture maximum heat from ambient air and transfer it to the pool.

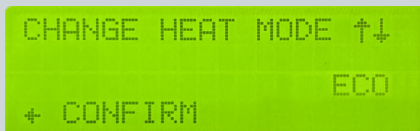
| PV/PVT SCREEN FEATURES WITH SMART FAN / ECO SMART TECHNOLOGY

PV/PVT SCREEN HEATING MODE

DIFFERENT HEATING MODES

HEATING MODE:

(Eco mode)



Activate **Eco mode** by confirming with the left arrow. Eco mode prioritizes energy savings by reducing fan speed and operating the compressor at 67% capacity (50% for PVT models). This reduces energy consumption compared to a traditional heat pump. Eco mode prioritizes energy efficiency. However, when ambient temperature drops below 10°C / 50°F, the heat pump automatically switches to smart mode to maintain the target temperature. When ambient temperature rises above 10°C / 50°F, the unit automatically returns to Eco mode.

Note: Eco mode prioritizes energy savings. During colder weather, the target temperature may not be reached.

ELECTRONIC DISPLAY

TIME ADJUSTMENT

CLOCK TIME SELECTION

TIME ADJUSTMENT:

(Navigate to time adjustment)



```
NIRVANA HEAT PUMP
>CLOCK TIME
HEATPUMP CONTROL
WATER PUMP CONTROL
```

Access the time-of-day adjustment feature.
Navigate within the option using the right arrow.

TIME ADJUSTMENT:

(Confirm time adjustment)



```
SET CLOCK TIME ↑↓
11:20
+ CONFIRM + SELECT
```

Use the up and down arrows to adjust the hours and minutes
on the clock, then confirm your selection with the left arrow.

ELECTRONIC DISPLAY

HEAT PUMP CONTROL

HEAT PUMP CONTROL

Minimum outdoor temperature: If you enter a value (example: 10°C / 50°F), the heat pump will stop operating when the outdoor temperature reaches 10°C / 50°F. If this occurs, reset the value to the default setting of 0°C / 32°F. This function saves energy by stopping heating when the outdoor temperature is too low or during nighttime when performance is reduced.



HEAT PUMP CONTROL MINIMUM TEMPERATURE

HEAT PUMP CONTROL:

(Navigate to heat pump control)



Access the heat pump control feature, which provides multiple configuration options. Use the right arrow to navigate within the menu.

HEAT PUMP CONTROL:

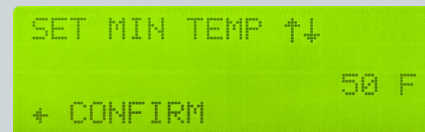
(Minimum temperature adjustment)



Access the minimum temperature adjustment. This allows you to determine when the heat pump will stop operating based on a set temperature.

HEAT PUMP CONTROL:

(Adjustment confirmation)



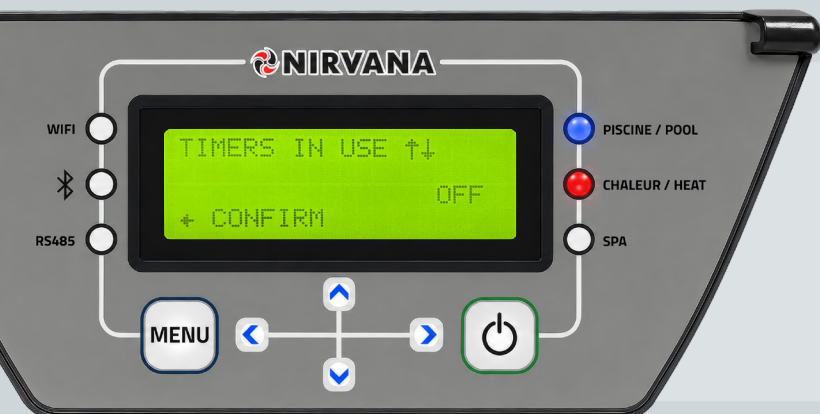
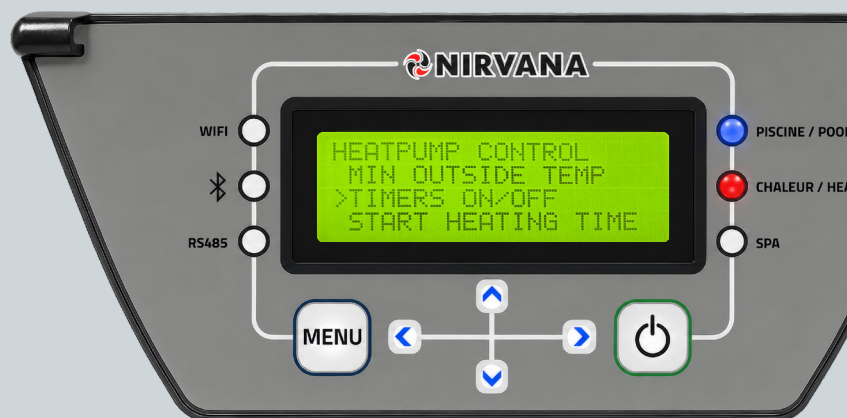
Adjust the minimum operating temperature using the up and down arrows, then confirm your selection with the left arrow.

ELECTRONIC DISPLAY

HEAT PUMP CONTROL

TIMER

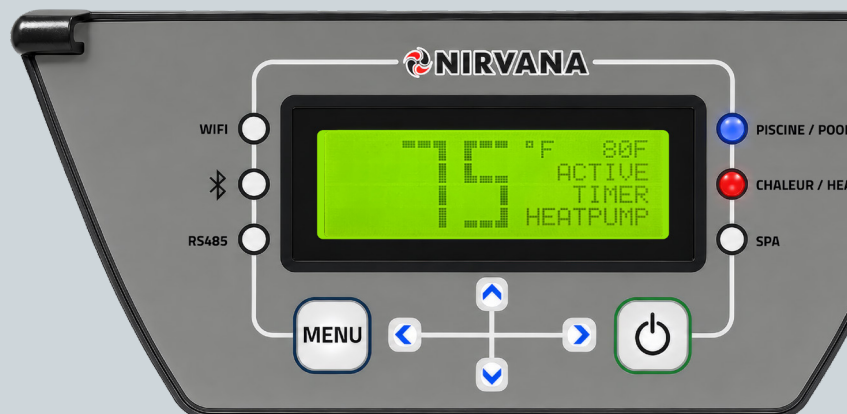
Access the timer menu to manage the heat pump's programmed schedule. This feature lets you turn the timer function ON or OFF without changing the start and stop times already set in the control.



You can program the timer so the heat pump operates according to a specific schedule. Both the start time and stop time must be entered.

For the timer schedule to be active, the timer must be turned ON. Otherwise, it must remain OFF as shown in the image.

If you attempt to operate the heat pump outside the programmed schedule, it will not start. To allow the heat pump to operate outside this schedule, the timer function must be turned OFF. The heat pump will indicate when a timer is active.



ELECTRONIC DISPLAY

HEAT PUMP CONTROL

HEAT PUMP TIMER CONTROL

HEAT PUMP CONTROL:

(Timer)

A green LCD screen displaying the menu options: HEATPUMP CONTROL, MIN OUTSIDE TEMP, >TIMERS ON/OFF, and START HEATING TIME.

HEATPUMP CONTROL
MIN OUTSIDE TEMP
>TIMERS ON/OFF
START HEATING TIME

Access the timer activation feature, which allows you to precisely set operating hours. Press the right arrow to enter.

HEAT PUMP CONTROL:

(Timer activation)

A green LCD screen displaying: TIMERS IN USE ↑↓, OFF, and + CONFIRM.

TIMERS IN USE ↑↓
OFF
+ CONFIRM

Enable or disable the timer function. Press the left arrow to confirm your selection.

HEAT PUMP CONTROL:

(Timer start time)

A green LCD screen displaying the menu options: HEATPUMP CONTROL, MIN OUTSIDE TEMP, TIMERS ON/OFF, and >START HEATING TIME.

HEATPUMP CONTROL
MIN OUTSIDE TEMP
TIMERS ON/OFF
>START HEATING TIME

Access the timer start time setting. Navigate to the option using the right arrow.

HEAT PUMP CONTROL:

(Confirmation)

A green LCD screen displaying: SET START TIME ↑↓, 14:45, and + CONFIRM.

SET START TIME ↑↓
14:45
+ CONFIRM

Set the timer start time using the up and down arrows, then confirm with the left arrow.

HEAT PUMP CONTROL:

(Timer end time)

A green LCD screen displaying: HEATPUMP CONTROL, >STOP HEATING TIME.

HEATPUMP CONTROL
>STOP HEATING TIME

Access the timer end time setting. Navigate to the option using the right arrow.

HEAT PUMP CONTROL:

(Confirmation)

A green LCD screen displaying: SET STOP TIME ↑↓, 15:15, and + CONFIRM.

SET STOP TIME ↑↓
15:15
+ CONFIRM

Set the timer end time using the up and down arrows, then confirm with the left arrow.

ELECTRONIC DISPLAY

WATER PUMP CONTROL

WATER PUMP CONTROL

(Water pump control requires relay connection)

WATER PUMP CONTROL:

(Water pump option)

```
NIRVANA HEAT PUMP  
CLOCK TIME  
HEATPUMP CONTROL  
>WATER PUMP CONTROL
```

Navigation to the various water pump control options (**Note that a relay to the pump is required to use this feature**).

WATER PUMP CONTROL:

(Activation option)

```
WATER PUMP CONTROL  
>WATER PUMP ON/OFF  
TIMER PUMP CONTROL
```

Navigation to the feature activation. To browse through the option, use the right arrow.

WATER PUMP CONTROL:

(Confirmation option)

```
SET ON/OFF ↑↓  
NORMAL OPERATION  
+ CONFIRM
```

Turn the pump on or off. Confirm your selection by pressing the left arrow.

WATER PUMP CONTROL:

(Timer option)

```
WATER PUMP CONTROL  
WATER PUMP ON/OFF  
>TIMER PUMP CONTROL
```

Navigation to the **Timer Control** function, where you will find the various options related to the timer. Use the right arrow to enter the option.

WATER PUMP CONTROL:

(Timer activation)

```
TIMER PUMP CONTROL  
>TIMER PUMP ON/OFF  
START PUMP TIME  
STOP PUMP TIME
```

Navigation to the timer activation function, which allows you to enable the feature. Press the right arrow to enter the option.

WATER PUMP CONTROL:

(Timer confirmation)

```
SET ON/OFF ↑↓  
OFF  
+ CONFIRM
```

Enable or disable the timer function. Press the left arrow to confirm your selection.

ELECTRONIC DISPLAY

WATER PUMP CONTROL

WATER PUMP CONTROL

(Water pump control requires relay connection)

WATER PUMP CONTROL:

(Timer start time)

```
TIMER PUMP CONTROL
TIMER PUMP ON/OFF
>START PUMP TIME
STOP PUMP TIME
```

Navigation to the timer start time, which allows you to select the activation start time. Press the right arrow to enter.

WATER PUMP CONTROL:

(Time confirmation)

```
SET START TIME ↑↓
18:15
+ CONFIRM
```

Confirmation of the start time. Use the up and down arrows to select, then confirm with the left arrow.

WATER PUMP CONTROL:

(Timer stop time)

```
TIMER PUMP CONTROL
TIMER PUMP ON/OFF
START PUMP TIME
>STOP PUMP TIME
```

Navigation to the timer stop time, which allows you to select the deactivation end time. Press the right arrow to enter the option.

WATER PUMP CONTROL:

(Time confirmation)

```
SET STOP TIME ↑↓
17:45
+ CONFIRM
```

Confirmation of the end time. Use the up and down arrows to select, then confirm with the left arrow.

| ELECTRONIC DISPLAY

SETTINGS

CELSIUS / FAHRENHEIT SETTINGS

CELSIUS / FAHRENHEIT SETTINGS:

(Navigate to settings)

```
NIRVANA HEAT PUMP
>SETTINGS
INFO CENTER
RUNNING TIME
```

Navigation to the various heat pump settings. Press the right arrow to enter the option.

CELSIUS / FAHRENHEIT SETTINGS:

(Select Fahrenheit / Celsius)

```
SETTINGS
>FAHREN. OR CELCIUS
CHANGE LANGUAGE
```

Navigation to the temperature unit selection option (**Fahrenheit and Celsius**). Press the right arrow to access the option.

CELSIUS / FAHRENHEIT SETTINGS:

(Confirm Fahrenheit / Celsius)

```
SET DEG F OR C ↑↓
FAHRENHEIT
+ CONFIRM
```

Confirmation of the temperature unit. Use the up and down arrows to select, then confirm with the left arrow.

LANGUAGE SETTINGS

LANGUAGE SETTINGS:

(Navigate to change the language)

```
SETTINGS
FAHREN. OR CELCIUS
>CHANGE LANGUAGE
```

Navigation to the **language** selection option. Press the right arrow to access the option.

LANGUAGE SETTINGS:

(Language selection)

```
SELECT LANGUAGE ↑↓
ENGLISH
+ CONFIRM
```

Confirmation of the desired language. Use the up and down arrows to select, then confirm with the left arrow.

ELECTRONIC DISPLAY

INFORMATION CENTER

INFORMATION CENTER

INFORMATION CENTER:

(Navigate to information center)

```
NIRVANA HEAT PUMP
SETTINGS
>INFO CENTER
RUNNING TIME
```

Navigation to the general information center. Use the right arrow to navigate to the option.

INFORMATION CENTER:

(Full information display)

```
INFO CENTER      ↑↓
MODEL            PU105VF
DIS. FW          1.0.25
HP FW            4.2.12 A
```

```
WATER IN TEMP    72 F
WATER OUT TEMP   73 F
DELTA TEMP        0.5 F
VOLTAGE           240 V
```

```
OUTDOOR TEMP     72 F
SUCTION TEMP     72 F
LOW PRESSURE      CLOSE
HIGH PRESS.       CLOSE
```

```
ECO AMPS         14.0
TOTAL AMPS        18.0
BACK              +
```

Full information center. Navigate between the four (4) screens using the up and down arrows.

ELECTRONIC DISPLAY

USAGE TIME

USAGE TIME

USAGE TIME:

(Navigate to running time)

```
NIRVANA HEAT PUMP
SETTINGS
INFO CENTER
>RUNNING TIME
```

Access information regarding the number of hours the heat pump has been used. Right arrow to access.

USAGE TIME:

(View usage time)

```
RUNNING TIME
>VIEW TIME
RESET TIME
```

Access information regarding the heat pump usage time. Right arrow to access.

USAGE TIME:

(View usage time)

```
RUNNING TIME      ↑↓
  NORMAL MODE TIME
DAY                0h
WEEK              0h
```

This screen shows the running time for the selected mode, with daily and weekly usage totals.

USAGE TIME:

(Reset time)

```
RUNNING TIME
VIEW TIME
>RESET TIME
```

Access the option to reset the time to zero. Press the right arrow to enter the option.

USAGE TIME:

(Confirm reset)

```
RESET RUNNING TIME↑↓
                        NO
+ CONFIRM
```

Confirm reset. Make a selection with the up or down arrow and confirm with the left arrow.



ELECTRONIC DISPLAY

NOTIFICATIONS

NOTIFICATION ACTIVATION

(Evaporator cleaning)

NOTIFICATION ACTIVATION:

(Navigate to notification option)



NIRVANA HEAT PUMP
>ACTIVATION NOTIF
RS485 PUMP CONTROL
WIFI / UPDATE

Navigate to **evaporator/backwash** notification activation. Enter the option with the right arrow.

NOTIFICATION ACTIVATION:

(Navigate to clean/evap/notification)



ACTIVATION NOTIF
>EVAP CLEANING NOTIF
BACKWASH NOTIF

Navigate to **evaporator cleaning notifications**. Navigate within the option by pressing the right arrow.

NOTIFICATION ACTIVATION:

(Select. of time between notifications)



EVAP CLEANING NOTIF
>TIME BETWEEN NOTIF
ACTIVATION NOTIF

Navigate to the selection of the number of days between notifications. Right arrow to enter the option.

NOTIFICATION ACTIVATION:

(Select time between notifications)



TIME BETWEEN NOTIF
↑↓
60 D
+ CONFIRM

Select the number of days, use the up and down arrows to make a choice, and the left arrow to confirm.

NOTIFICATION ACTIVATION:

(Navigate to notif. activ./deactiv.)



EVAP CLEANING NOTIF
TIME BETWEEN NOTIF
>ACTIVATION NOTIF

Navigate to general notification **activation/deactivation**. Enter the option with the right arrow.

NOTIFICATION ACTIVATION:

(Select activation/deactivation)



SET NOTIF ACTIVE ↑↓
YES
+ CONFIRM

Choose between **activation / deactivation** (evap notif) with the up or down arrow and confirm your choice with the left arrow.

| ELECTRONIC DISPLAY

NOTIFICATIONS

NOTIFICATION ACTIVATION

(Backwash)

NOTIFICATION ACTIVATION:

(Navigate to notification option)

```
NIRVANA HEAT PUMP
>ACTIVATION NOTIF
RS485 PUMP CONTROL
WIFI / UPDATE
```

Navigate to **evaporator/backwash** notification activation. Enter the option with the right arrow.

NOTIFICATION ACTIVATION:

(Navigate to backwash/notification)

```
ACTIVATION NOTIF
EVAP CLEANING NOTIF
>BACKWASH NOTIF
```

Navigate to **backwash notifications**. Navigate within the option with the right arrow.

NOTIFICATION ACTIVATION:

(To selection of time between notif.)

```
BACKWASH NOTIF
>TIME BETWEEN NOTIF
ACTIVATION NOTIF
```

Navigate to the selection of time between notifications. Enter the option with the right arrow.

NOTIFICATION ACTIVATION:

(Select time between notifications)

```
TIME BETWEEN NOTIF
↑↓
7 D
+ CONFIRM
```

Select the number of days between notifications. Use the up and down arrows to select, and the left arrow to confirm.

NOTIFICATION ACTIVATION:

(Navigate to notification activ./deactiv.)

```
BACKWASH NOTIF
TIME BETWEEN NOTIF
>ACTIVATION NOTIF
```

Navigate to notification **activation/deactivation**. Enter the option with the right arrow.

NOTIFICATION ACTIVATION:

(Select activation/deactivation)

```
SET NOTIF ACTIVE ↑↓
YES
+ CONFIRM
```

Choose between **activation / deactivation** (backwash notif). Use the up and down arrows to select, and the left arrow to confirm.

| ELECTRONIC DISPLAY

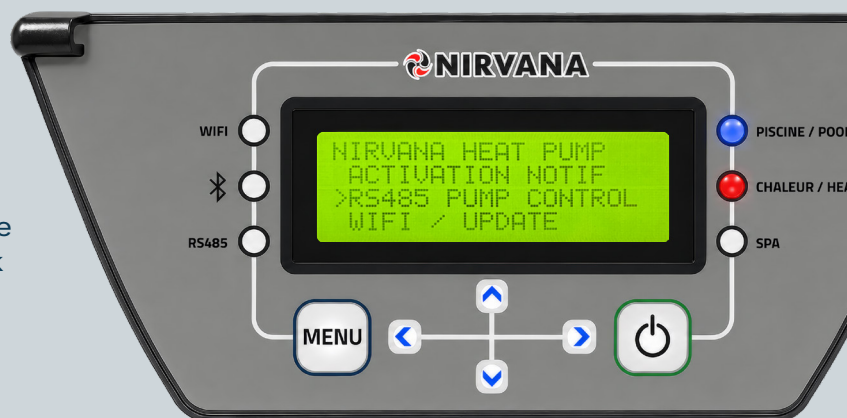
RS485

RS485 PUMP CONTROL

RS485 connectivity allows the heat pump controller to communicate with a compatible external pump.

A qualified technician must install the RS485 module inside the heat pump electrical box, with power turned off, to link the controller to the pump communication cable.

Use this menu to enable RS485 pump control, adjust settings, and view pump status.



ENABLE RS485:

```
RS485 PUMP CONTROL
>ENABLE
ECO SMART CONTROL
PUMP STATUS
```

Navigate to the **Enable** option. Press the right arrow to access the option.

```
SET ON/OFF ↑↓
ON
+ CONFIRM
```

Select **ON** or **OFF** using the up and down arrows, then press the left arrow to confirm.

ECO SMART CONTROL:

```
RS485 PUMP CONTROL
ENABLE
>ECO SMART CONTROL
PUMP STATUS
```

Navigate to the **Eco Smart Control** option. Press the right arrow to access the option.

```
SET ON/OFF ↑↓
ON
+ CONFIRM
```

Select **ON** or **OFF** using the up and down arrows, then press the left arrow to confirm.

PUMP STATUS:

```
RS485 PUMP CONTROL
ENABLE
ECO SMART CONTROL
>PUMP STATUS
```

Navigate to the **Pump Status** section. Press the right arrow to access the option.

```
PUMP STATUS
CONNECTED: Y
SPEED: 800 RPM
BACK +
```

This screen indicates whether the pump is connected and displays the pump speed.

ELECTRONIC DISPLAY

RS485

RS485 PUMP CONTROL

ECO SMART STATUS:

```
RS485 PUMP CONTROL
>ECO SMART STATUS
  FILTRATION SPEED
  BACKWASH CONTROL
```

Navigate to the **Eco Smart Status** section. Press the right arrow to view the information.

```
ECO SMART STATUS
  SAVED 2900 RPM
  CURRENT 800 RPM
  IN TARGET 0 s
```

This screen shows the Eco Smart operating status, including the saved pump speed, the current pump speed, and whether the pump is operating at the target setting.

FILTRATION SPEED:

```
RS485 PUMP CONTROL
  ECO SMART STATUS
  >FILTRATION SPEED
  BACKWASH CONTROL
```

Navigate to the **Filtration Speed** option. Press the right arrow to access the option.

```
FILTR. SPEED ↑↓
                800
+ CONFIRM
```

Select the **Speed** using the up and down arrows, then press the left arrow to confirm.

BACKWASH CONTROL:

```
RS485 PUMP CONTROL
  ECO SMART STATUS
  FILTRATION SPEED
  >BACKWASH CONTROL
```

Navigate to the **Backwash Control** option. Press the right arrow to view the information.

```
SET ON/OFF ↑↓
                OFF
+ CONFIRM
```

Select **ON** or **OFF** using the up and down arrows, then press the left arrow to confirm.

ELECTRONIC DISPLAY

WI-FI

(For 2025 and earlier models, please refer to your pool dealer.)

WI-FI / UPDATE SETTINGS

WI-FI SETTINGS:

```
NIRVANA HEAT PUMP  
ACTIVATION NOTIF  
RS485 PUMP CONTROL  
>WIFI / UPDATE
```

Navigate the menu to **Wi-Fi / update**.
Enter the section with the right arrow.

```
WIFI / UPDATE  
>WIFI SETTINGS  
FIRMWARE
```

Access the **Wi-Fi settings**. Enter the
subsection with the right arrow.

INTERNET TIME CONFIGURATION

TIME SYNCHRONIZATION:

```
WIFI SETTINGS  
>INTERNET TIME  
USER SUBSCRIPTION  
RECONFIGURE WIFI
```

Navigate to the **Internet time** option.
Press the right arrow to access the
option.

```
INTERNET TIME  
>SYNCHRONIZATION  
TIME ZONE
```

Select the **Synchronization** option.
Press the right arrow to access the
option.

```
SYNC TIME  
FROM INTERNET? ↑↓  
ENABLE  
+ CONFIRM
```

Select Enable (or Disable) by using the
up and down arrows, then confirm with
the left arrow.

TIME ZONE:

```
WIFI SETTINGS  
>INTERNET TIME  
USER SUBSCRIPTION  
RECONFIGURE WIFI
```

Navigate to the **Internet time** option.
Press the right arrow to access the
option.

```
INTERNET TIME  
SYNCHRONIZATION  
>TIME ZONE
```

Select the **Time zone** option. Press the
right arrow to access the option.

```
CHANGE TIME ZONE ↑↓  
UTC +/- 5:00  
+ CONFIRM + SELECT
```

Select time hours or minutes with the
right arrow then change the time by
using the up and down arrows. When
you are done, confirm with the left arrow.

| ELECTRONIC DISPLAY

WI-FI

WI-FI SETTINGS

USER SUBSCRIPTION:

```
WIFI SETTINGS
INTERNET TIME
>USER SUBSCRIPTION
RECONFIGURE WIFI
```

Navigate to the **User subscription** option. Select the option with the right arrow.

```
USER SUBSCRIPTION
ACTIVE
+ BACK
```

Make sure it is Active. Exit with the left arrow. If Inactive, contact the Nirvana Service Department.

RECONFIGURE WI-FI:

```
WIFI SETTINGS
INTERNET TIME
USER SUBSCRIPTION
>RECONFIGURE WIFI
```

Navigate to the **Reconfigure Wi-Fi** option. Select the option with the right arrow.

```
RECONFIGURE WIFI? ↑↓
CANCEL
+ CONFIRM
```

Select the option to reconfigure the Wi-Fi using the up and down arrows, then confirm with the left arrow.

CONNECTION STATUS:

```
WIFI SETTINGS
>CONNECTION STATUS
MAC ADDRESS
```

Navigate to the **Connection status** option. Press the right arrow to access the option.

```
CONNECTION STATUS
TO ROUTER : Y
TO INTERNET : Y
TO WEB SERVICE : Y
```

When your Wi-Fi is properly connected, you should see Y (Yes).

MAC ADDRESS:

```
WIFI SETTINGS
CONNECTION STATUS
>MAC ADDRESS
```

Navigate to the **MAC Address** option. Press the right arrow to access the option.

```
MAC ADDRESS
30-ED-A0-D1-91-8C
+ BACK
```

Write down your heat pump MAC Address, you will need it to connect it with the Nirvana App.

ELECTRONIC DISPLAY

WI-FI

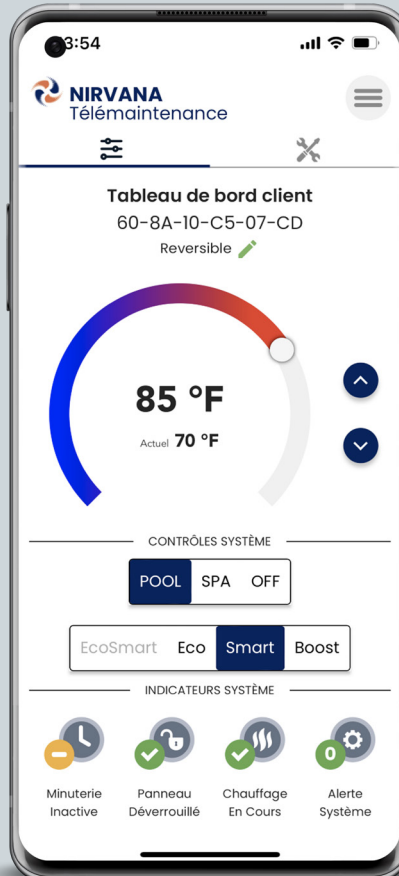
CONFIGURING THE MODULE ON YOUR NETWORK:

1. Go to the Wi-Fi menu.
2. Go to **RECONFIGURE WI-FI**, select **RECONFIGURE** and confirm.
3. Use your **mobile phone or tablet** and search for available networks. You will see a network named **NIRVANA_****.****.****** on the list.
4. Connect to this network. If you do not see the Nirvana network, move closer to the heat pump and verify that your Wi-Fi signal is strong enough. You might need to reset your heat pump.
6. You will need to enter your home Wi-Fi Password.
7. Download and open the Nirvana HP application available for iOS in the Apple Store or for Android in The Google Play Store.
8. Create your user account, press register, and complete the form.
9. You can enter your MAC address by scanning the QR code with your phone or by entering it manually. Your module MAC address is available at any time in the Wi-Fi menu of your heat pump.
10. Once the MAC address is entered, save it.
11. You will receive a confirmation email. Click the link to confirm your account. If you do not see the email, check your junk mail.
12. You are now ready to control your heat pump remotely and to enjoy a perfect pool temperature.



```
RECONFIGURE WIFI? ↑↓
+ CONFIRM          CANCEL
```

```
WIFI SETTINGS
CONNECTION STATUS
>MAC ADDRESS
```



| ELECTRONIC DISPLAY

WI-FI

WI-FI / UPDATE SETTINGS

FIRMWARE CURRENT VERSION:

```
WIFI / UPDATE
WIFI SETTINGS
>FIRMWARE
```

Access the **Firmware settings** from the **Wi-Fi / update section**. Enter the subsection with the right arrow.

```
FIRMWARE
>CURRENT VERSION
UPDATE VERSION
UPDATE FIRMWARE
```

Navigate to the current software version. Enter the option with the right arrow.

```
CURRENT FIRMWARE REV
1.0.35
+ BACK
```

You will be able to see the installed version of the Wi-Fi application here. Press the left arrow to return to the menu.

FIRMWARE UPDATE VERSION:

```
FIRMWARE
CURRENT VERSION
>UPDATE VERSION
UPDATE FIRMWARE
```

Navigate to the option to search for a new version of the application. Press the right arrow to enter the option.

```
UPDATE VERSION
NO UPDATE AVAIL.
+ BACK
```

Once in the option, you will see the Firmware versions that are available.

FIRMWARE UPDATE:

```
FIRMWARE
CURRENT VERSION
UPDATE VERSION
>UPDATE FIRMWARE
```

Navigate to the system update option. Enter the option with the right arrow.

```
SYSTEM UPDATE
AUTO
+ CONFIRM
```

Download the update if applicable. The choices are **Force / Off / Auto***. Use the up and down arrows to choose, and the right arrow to confirm.

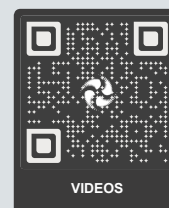
* We recommend automatic mode

**VISIT OUR YOUTUBE CHANNEL
FOR ALL TECHNICAL VIDEOS:**

youtube.com/@nirvanachauffepiscine

**VISIT OUR WEBSITE FOR THE
LATEST TECHNICAL VIDEOS:**

nirvanahp.com/media



| ELECTRONIC DISPLAY

LOCK SETTINGS

LOCK SETTING

LOCK SETTINGS:

(Select Lock Settings)



NIRVANA HEAT PUMP
>LOCK SETTINGS

Navigate to the **lock setting**. Press the right arrow to enter the function.

LOCK SETTINGS:

(Enable/disable screen lock)

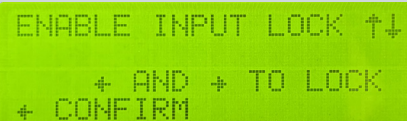


LOCK SETTINGS
>SCREEN LOCK

Navigate to the screen safety lock. Press the right arrow to access the option.

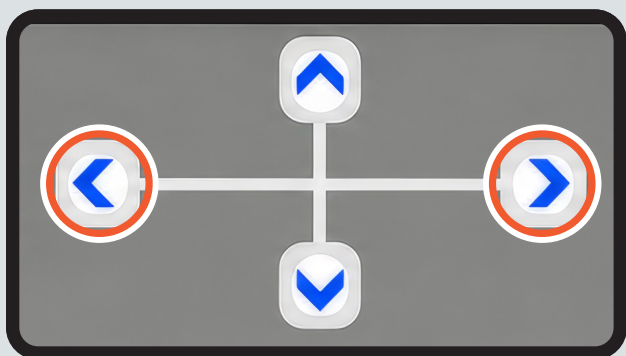
LOCK SETTINGS:

(Confirm option)



ENABLE INPUT LOCK ↑↓
+ AND + TO LOCK
+ CONFIRM

With the up and down arrows, choose to activate or deactivate the function and press the left arrow to confirm.



Please note that when the option is activated, simply press the left arrow and the right arrow simultaneously to lock/unlock the heat pump.

SEASON OPENING AND START-UP

START-UP:

1. Inspect your machine to ensure it is in good working condition.
2. Clean your pool filter.
3. Balance your pool water parameters according to the Langelier Index.
4. Reconnect the water inlet and outlet.
5. Turn on the circuit breaker.

SHUTDOWN

SHUTDOWN:

1. Turn off the circuit breaker;
2. Drain the water from the pool heat pump, unscrew all water inlet and outlet fittings;
3. Tilt the unit slightly backward in order to drain all water contained inside.
4. Block the water inlet and outlet with the plastic caps provided when the unit was purchased to prevent rodents from entering the unit.

For maximum protection, cover your heat pump with a Nirvana winter cover. Contact Nirvana for more information:
NIRVANAHP.COM



WARNING



We recommend never tilting your pool heat pump more than 30°–35°, even during transport.



WARNING



The pool heat pump must be completely disconnected from the pool connections (bypass valve or other) in order to allow complete drainage.

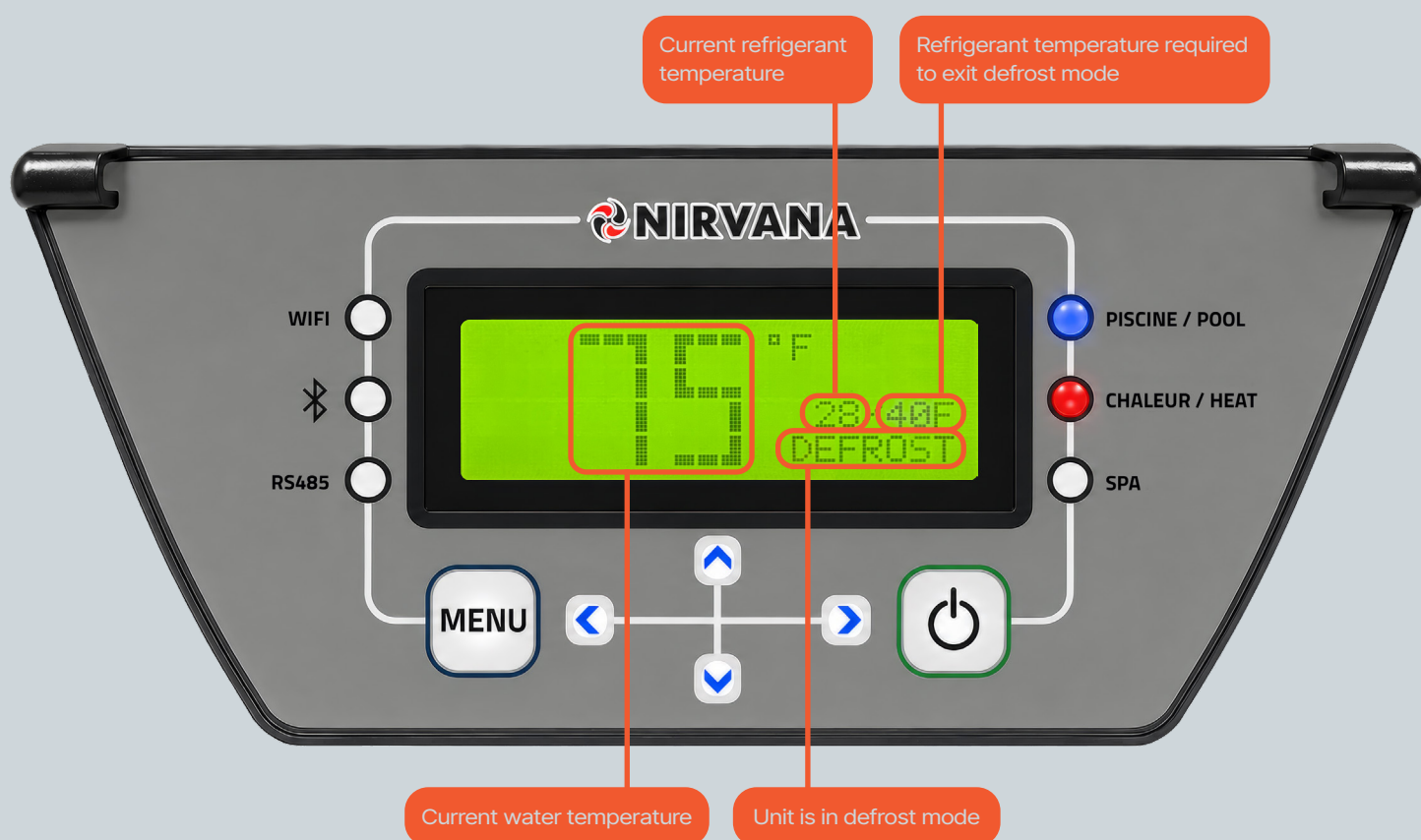
Shutdown must be performed before freezing conditions.

ELECTRONIC DISPLAY

DEFROST MODE

DEFROST MODE

Defrost mode is a normal cycle that lasts a few minutes, especially in cold weather. During this process, the fan runs while the compressor is stopped.



MAINTENANCE

SAFETY PRECAUTIONS:

Turn off the heat pump circuit breaker before:

1. Opening the access door,
2. Cleaning the evaporator or the cabinet.

Never insert objects into the protective grille or place objects on this grille to avoid risk of damage or injury.

A pool heat pump must be maintained and repaired by a professional. Any repairs performed on a unit under warranty by an unqualified person may void your warranty.

REGULAR MAINTENANCE:

1. Inspect and clean the pool filter regularly to ensure adequate water pressure and flow.
2. Inspect the evaporator and rinse it from top to bottom using a garden hose to remove any dirt or debris that may obstruct it.
3. Clean the casing with mild soap. Do not use abrasives or bleach.
4. Inspect the skimmer regularly.

MAINTENANCE:

Any maintenance or adjustment other than those recommended in this manual **should not be undertaken**. For any questions related to your heat pump, visit NIRVANAHP.COM



WARNING



To prevent any risk of injury, read and follow all instructions and warnings.

TROUBLESHOOTING

PROBLEM	CAUSE	WHAT TO DO
WATER FLOW ERROR	- Water circulation inside the pool heat pump is insufficient; - Bypass valve improperly positioned; there is no water circulation inside the pool heat pump; - The water flow controller is defective.	- Check whether the circulation pump is operating; - Check whether the bypass valves are properly positioned; - Check the skimmer (if obstructed). - Perform a backwash.
DEFROST MODE	- The pool heat pump is in defrost mode. - Ventilation on the evaporator is insufficient; - The fan is not operating. - Outdoor temperature is low. - The evaporator is obstructed.	- Wait until defrost ends; the pool heat pump will restart automatically. - Check that the evaporator is not obstructed (pollen, grass). - Ensure there is proper clearance around the pool heat pump. (See installation). - Check that the fan is operating.
LOW PRESSURE CONTROL FAILURE	Refrigerant leak.	Contact Nirvana: https://nirvanahp.com/en/service-call/
LOW PRESSURE 3 FAILURES IN 1 HOUR	The pool heat pump shut down 3 times in one hour due to low-pressure protection for the reasons listed above (LP code).	- The pool heat pump will not be able to restart if it shuts down 3 times on one of the protections within the same hour. - Turn the circuit breaker off and back on to restart the pool heat pump. - Reset the circuit breaker or press the left arrow. - Contact Nirvana: https://nirvanahp.com/en/service-call/
HIGH PRESSURE REFRIGERANT ERROR	- Circulation is insufficient; - Bypass valve improperly positioned; - Water outlet is blocked; - Obstruction in the refrigerant circuit.	- Check that there is good water circulation inside the pool heat pump; - Check whether the bypass valves are properly positioned; - Check that no object is blocking the water inlet or water outlet.

TROUBLESHOOTING

PROBLEM	CAUSE	WHAT TO DO
HIGH PRESSURE 3 FAILURES IN 1 HOUR	The pool heat pump shut down 3 times in one hour due to high-pressure protection for the reasons listed above (HP code).	- The pool heat pump will not be able to restart if it shuts down 3 times on one of the protections within the same hour. - Turn the circuit breaker off and back on to restart the pool heat pump. - Reset the circuit breaker or press the left arrow.
DISPLAY DISCONNECTED	There is no communication between the display and the control board.	Contact Nirvana : https://nirvanahp.com/en/service-call/
DEFROST SENSOR OPEN CIRCUIT	The defrost sensor is defective.	Contact Nirvana : https://nirvanahp.com/en/service-call/
WATER SENSOR SHORT CIRCUIT	The water sensor is improperly connected or cut.	Contact Nirvana : https://nirvanahp.com/en/service-call/
WATER SENSOR OPEN CIRCUIT	The water sensor is defective.	Contact Nirvana : https://nirvanahp.com/en/service-call/
AIR SENSOR OPEN CIRCUIT	The air sensor is improperly connected or cut.	Contact Nirvana : https://nirvanahp.com/en/service-call/
AIR SENSOR SHORT CIRCUIT	The air sensor is defective.	Contact Nirvana : https://nirvanahp.com/en/service-call/
THE FAN OPERATES NO CODE DISPLAYED, THE COMPRESSOR DOES NOT START	Electrical problem in the compressor circuit	Contact Nirvana : https://nirvanahp.com/en/service-call/

WARRANTY

BEFORE MAKING A SERVICE CALL

There is always a possibility of condensation, especially when the humidity level in the air is high. If you notice water near your pool heat pump, there is a strong chance that it is condensation. To make sure this water comes from condensation, you can turn off the pool heat pump and use only your circulation pump; if after a few hours the water dries up, you have confirmation that the water came from normal machine condensation.

5. Make sure the piping is positioned in a way that provides sufficient water pressure.
6. Make sure the evaporator is not obstructed by pollen, grass, or other objects (see maintenance for the cleaning procedure).
7. In cold weather, the pool heat pump performs a defrost mode; it will trigger a cycle, shut off the compressor, and reactivate afterwards.
8. Frost may appear on the evaporator in cold weather; this is normal. However, if a thickness of 1/2" of ice or more forms on the evaporator, contact us immediately.

BEFORE CONTACTING US, FOLLOW THESE FEW STEPS TO AVOID SERVICE CALL COSTS NOT COVERED BY THE WARRANTY:

1. Make sure the circuit breaker is on, that the fuses are working, and that the pool heat pump is properly connected (green light on).
2. Make sure the circulation pump is operating at full capacity, that there is sufficient water flow, and that the filter is clean.
3. Make sure the water inlet and outlet are open and the bypass valve is closed.
4. Make sure the requested temperature is higher than the current water temperature.

If your pool heat pump does not operate properly after following these steps, contact Nirvana:
<https://nirvanahp.com/en/service-call/>

Any replacement part must be a Nirvana part in order to maintain performance, durability, and safety and to keep the warranty valid.



WARNING



DO NOT REMOVE safety devices. The manufacturer disclaims all responsibility if installation or maintenance instructions are not followed or if components are modified in any way.



WARNING



The titanium heat exchanger is covered by a limited ten (10) year prorated warranty, starting from the date of purchase. This warranty applies only against defects in workmanship and materials, under normal conditions of use and maintenance. Gymleo canisters are expressly excluded from this warranty, as is any failure resulting from improper installation, improper use, inadequate maintenance, or water conditions that do not comply with the manufacturer's specifications.

WARRANTY



WARRANTY REGISTRATION

Please **register your warranty** online at www.nirvanahp.com **within 10 days following the purchase** of your pool heat pump. This information may be required in the event of a product recall. To help you keep information that may be required in the future, please complete the information below:

MODEL: _____

SERIAL NUMBER: _____

INSTALLATION DATE: _____

MAC ADDRESS: _____

MANUFACTURER'S LIMITED WARRANTY:

Nirvana Chauffe Piscine inc. offers a limited warranty in the event of a defect in the operation of the pool heat pump itself. This warranty applies from the date of purchase (with proof of purchase provided by the retailer) and is valid for new pool heat pumps only (residential sector only).

The pool heat pump must be installed according to the manufacturer's specifications and must operate according to the normal use recommended by the manufacturer and under normal operating conditions as described in this instruction manual.



WARNING



Improper installation, adjustment, alteration, service, maintenance, or use may cause fire, electric shock hazards, or other conditions that may cause injury or property damage.

Consult a qualified technician or service agency for assistance or information.

Any service call under warranty must be approved by Nirvana Chauffe Piscine inc.

WARRANTY

THIS WARRANTY DOES NOT COVER:

1. Unsuitable heating capacity or output for the pool, installation, or operating conditions;
2. Abusive use;
3. Inadequate maintenance of the pool heat pump not in accordance with the owner's manual;
4. Inadequate installation or installation carried out by persons not approved by the company;
5. Abuse, negligence;
6. Natural disasters such as floods, earthquakes, tornadoes, hail, lightning, freezing, and any other unforeseeable event;
7. Erosion of piping or internal components resulting in particular from improper closing procedures or poor water quality;
8. Sand infiltration caused by defective filtration equipment or by other abrasive substances entering the unit's internal system;
9. Damage to or obstruction of the heat pump caused by the presence of sand or other substances in the system;
10. Premature corrosion of the titanium heat-transfer tube due to improper use of chemical products in the pool, for example: pH, chlorine, or salinity levels outside the standard range;
11. Modifications, alterations, repairs, and replacement of parts carried out by persons not approved by Nirvana Chauffe Piscine inc.

During the warranty period, Nirvana Chauffe Piscine inc. agrees to repair or replace, at its discretion, any parts deemed defective by a technician or representative approved by Nirvana Chauffe Piscine inc., provided that such parts have been used under appropriate conditions. A pool heat pump is much more complex than a simple household appliance and service must be performed by a recognized refrigeration technician. A repair made by an unauthorized person may result in cancellation of the manufacturer's limited warranty.

The manufacturer shall not be liable for any incidental or consequential damages resulting from improper installation or improper use of the unit, or from the inability to use the unit. The manufacturer provides no other warranty of any kind. No distributor or reseller is authorized to modify the terms of this warranty. Responsibility for any additional warranty offered by a distributor or reseller rests solely with that distributor or reseller.

THIS WARRANTY APPLIES TO THE ORIGINAL PURCHASER.



The warranty may be transferred (continuous warranty) upon the sale of a residence where a Nirvana pool heat pump is installed. To do so, the unit must be inspected by a Nirvana technician, who will determine whether the unit is in good condition. A fee of \$125 plus the service call and travel expenses will apply.

WARRANTY TRANSFER:

Installed unit: \$125 (plus service call \$175 + travel expenses \$175)

Relocated unit: \$225 (plus service call \$175 + travel expenses \$175)



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