



# NIRVANA

## INSTRUCTION MANUAL FOR POOL HEAT PUMPS

### FC/PV/PVT/TR SERIES





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



# TABLE OF CONTENTS

**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 heater, the installation site is critical. The pool heater extracts heat from ambient air and transfers it to the pool

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 heater 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

Il faut laisser le dessus de la thermopompe **LIBRE**



**IMAGE 1:** Minimum clearance

# BYPASS SYSTEM

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

**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 240V 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

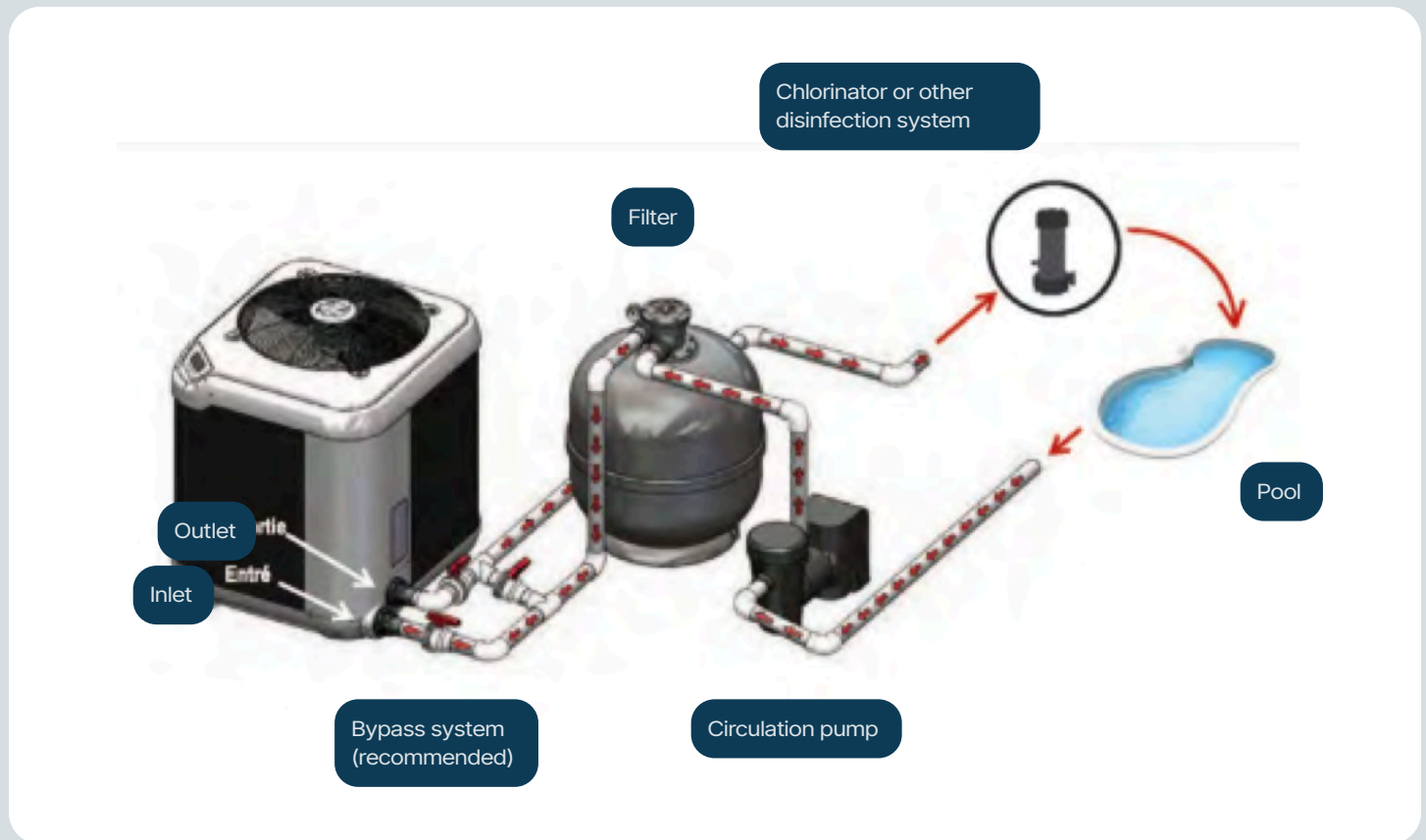


IMAGE 3

## 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 heater may be performed by a certified technician or by yourself, provided the above diagram is followed (image 3).



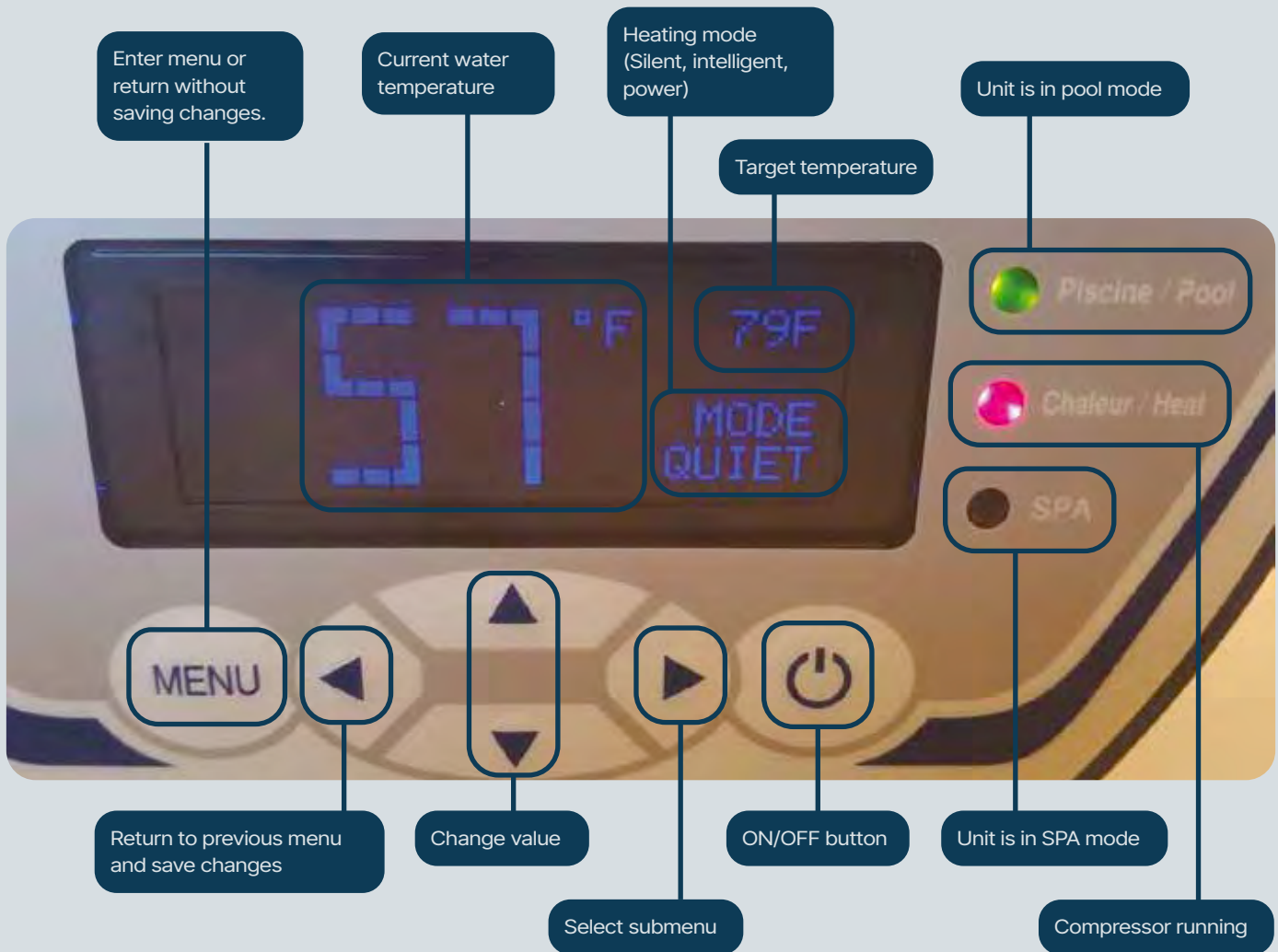
**WARNING**



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

# SETTINGS CONTROLLER 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:

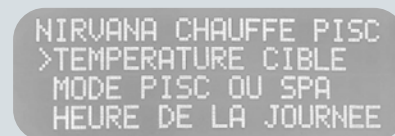
(Interface – press menu button)



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

### TEMPERATURE ADJUSTMENT:

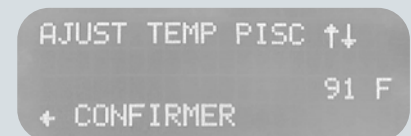
(Target temperature)



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)

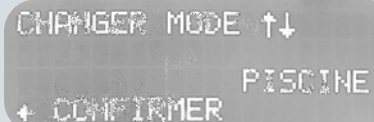


NIRVANA CHAUFFE PISC  
TEMPERATURE CIBLE  
>MODE PISC OU SPA  
HEURE DE LA JOURNEE

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

#### POOL OR SPA MODE SELECTION :

(Selection confirmation)



CHANGER MODE ↑↓  
PISCINE  
+ CONFIRMER

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 :

(Navigate to heating mode)

```
NIRVANA CHAUFFE PISC
TEMPERATURE CIBLE
MODE PISC OU SPA
>MODE CHAUFFAGE
```

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

#### HEATING MODE :

(Silent mode)

```
MODE CHAUFFAGE ↑↓
SILENCE
+ CONFIRMER
```

Activate **silent 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 :

(Intelligent mode)

```
MODE CHAUFFAGE ↑↓
INTEL
+ CONFIRMER
```

Activate **intelligent** mode by confirming with the left arrow. The intelligent 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 :

(Power mode)

```
MODE CHAUFFAGE ↑↓
PUISSANCE
+ CONFIRMER
```

Activate **power 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 power mode, the heat pump automatically returns to intelligent 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:**

#### **SILENT 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 intelligent mode. Silent mode reduces the BTU transferred to the pool due to reduced fan speed.

#### **INTELLIGENT 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.

#### **POWER MODE :**

Fan speed increases to improve BTU output of the heat pump.

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

# PV/PVT SCREEN HEATING MODE

### DIFFERENT HEATING MODES

#### HEATING MODE:

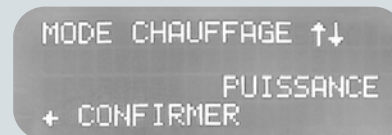
(EcoIntel intelligent mode)



Activate **intelligent / 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 :

(Power mode)



Activate 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 performance. However, when ambient temperature drops below 10°C / 50°F, the heat pump automatically switches to intelligent 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

### POOL/SPA MODE SELECTION

#### TIME ADJUSTMENT:

(Navigate to time adjustment)

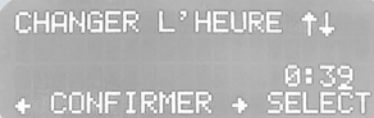


NIRVANA CHAUFFE PISC  
TEMPERATURE CIBLE  
MODE PISC OU SPA  
>HEURE DE LA JOURNEE

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

#### TIME ADJUSTMENT:

(Confirm time adjustment)



CHANGER L'HEURE ↑↓  
0:39  
+ CONFIRMER + 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 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 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)

```
NIRVANA CHAUFFE PISC  
>CTRL THERMOPOMPE  
CONTROLE POMPE EAU  
REGLAGES
```

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)

```
CTRL THERMOPOMPE  
>TEMPERATURE EXT MIN  
HORAIRE ON/OFF  
DEBUT CHAUFFAGE
```

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)

```
CHANGER TEMP MIN ↑↓  
50 F  
+ CONFIRMER
```

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

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

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



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

## ELECTRONIC DISPLAY

# HEAT PUMP CONTROL

### HEAT PUMP TIMER CONTROL

#### HEAT PUMP CONTROL :

(Timer)

```
CTRL THERMOPOMPE  
TEMPERATURE EXT MIN  
>HORAIRE ON/OFF  
DEBUT CHAUFFAGE
```

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

#### HEAT PUMP CONTROL :

(Timer activation)

```
HORAIRE UTILISES ↑↓  
ETEINT  
+ CONFIRMER
```

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

#### HEAT PUMP CONTROL :

(Timer start time)

```
CTRL THERMOPOMPE  
TEMPERATURE EXT MIN  
>HORAIRE ON/OFF  
>DEBUT CHAUFFAGE
```

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

#### HEAT PUMP CONTROL :

(Confirmation)

```
CHANGER DEBUT ↑↓  
10:00  
+ CONFIRMER
```

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

#### HEAT PUMP CONTROL :

(Timer end time)

```
CTRL THERMOPOMPE  
>ARRET CHAUFFAGE
```

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

#### HEAT PUMP CONTROL :

(Confirmation)

```
CHANGER ARRET ↑↓  
22:00  
+ CONFIRMER
```

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 CHAUFFE PISC  
CTRL THERMOPOMPE  
>CONTROLE POMPE EAU  
REGLAGES
```

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)

```
CONTROLE POMPE EAU  
>POMPE EAU ON/OFF  
CONTROLE TIMER
```

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

#### WATER PUMP CONTROL :

(Confirmation option)

```
CHANGER ON/OFF ↑↓  
OPERATION NORMALE  
+ CONFIRMER
```

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

#### WATER PUMP CONTROL :

(Timer option)

```
CONTROLE POMPE EAU  
POMPE EAU ON/OFF  
>CONTROLE TIMER
```

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)

```
CONTROLE TIMER  
>MINUTERIE POMPE  
DEMARRAGE POMPE  
ARRET POMPE
```

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)

```
CHANGER ON/OFF ↑↓  
ETEINT  
+ CONFIRMER
```

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)

```
CONTROLE TIMER
MINUTERIE POMPE
>DEMARRAGE POMPE
ARRET POMPE
```

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)

```
CHANGER DEBUT ↑↓
8:00
+ CONFIRMER
```

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)

```
CONTROLE TIMER
MINUTERIE POMPE
>DEMARRAGE POMPE
ARRET POMPE
```

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)

```
CHANGER ARRET ↑↓
22:00
+ CONFIRMER
```

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 CHAUFFE PISC  
CTRL THERMOPOMPE  
CONTROLE POMPE EAU  
>REGLAGES
```

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

#### CELSIUS / FAHRENHEIT SETTINGS:

(Select Fahrenheit / Celsius)

```
REGLAGES  
>FAHREN. OU CELCIUS  
CHANGER LA LANGUE  
VERSION FW DISPLAY
```

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

#### CELSIUS / FAHRENHEIT SETTINGS:

(Confirm Fahrenheit / Celsius)

```
CHANGER F OU C ↑↓  
FAHRENHEIT  
+ CONFIRMER
```

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)

```
REGLAGES  
FAHREN. OU CELCIUS  
>CHANGER LA LANGUE  
VERSION FW DISPLAY
```

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

#### LANGUAGE SETTINGS:

(Language selection)

```
CHOISIR LANGUE ↑↓  
FRANCAIS  
+ CONFIRMER
```

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

## ELECTRONIC DISPLAY

# SETTINGS

### FIRMWARE VERSION

#### FIRMWARE VERSION:

(Display board version)

```
REGLAGES  
FAHREN. OU CELCIUS  
CHANGER LA LANGUE  
>VERSION FW DISPLAY
```

Information on the display board *firmware* version. Press the right arrow to enter the option and access the information.

#### FIRMWARE VERSION:

(HP728 firmware version)

```
REGLAGES  
>VERSION FW DU HP728
```

Information on the HP728 *firmware* version. Press the right arrow to enter the option and access the information.

# INFORMATION CENTER

### INFORMATION CENTER

#### INFORMATION CENTER:

(Navigate to information center)

```
NIRVANA CHAUFFE PISC  
>CENTRE D'INFO  
TEMPS D'UTILISATION  
ACTIVATION NOTIF
```

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

#### INFORMATION CENTER:

(Full information display)

```
CENTRE D'INFO    ↑↓  
MODEL            FC85  
TEMP EXTERIEUR  74 F  
TEMP SUCCION    73 F
```

Full information center. Navigate between the two screens using the up and down arrows.

```
BASSE PRESS. FERMER  
HAUTE PRESS. FERMER  
TEMP EAU IN      73 F  
VOLTAGE          240 V
```

## ELECTRONIC DISPLAY

# USAGE TIME

### USAGE TIME

#### USAGE TIME :

(Navigate to usage time)

```
NIRVANA CHAUFFE PISC  
CENTRE D'INFO  
>TEMPS D'UTILISATION  
ACTIVATION NOTIF
```

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

#### USAGE TIME :

(View usage time)

```
TEMPS D'UTILISATION  
>VOIR TEMPS  
REINITIALISER TEMPS
```

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

#### USAGE TIME :

(Reset time)

```
TEMPS D'UTILISATION  
VOIR TEMPS  
>REINITIALISER TEMPS
```

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

#### USAGE TIME :

(Confirm reset)

```
REINITIALISER TEMPS  
DE FONCTIONNEMENT↑↓  
NON  
+ CONFIRMER
```

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 CHAUFFE PISC  
CENTRE D'INFO  
TEMPS D'UTILISATION  
>ACTIVATION NOTIF
```

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

#### NOTIFICATION ACTIVATION :

(Navigate to clean/evap/notification)

```
ACTIVATION NOTIF  
>NETTOYER EVAP NOTIF  
BACKWASH NOTIF
```

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

#### NOTIFICATION ACTIVATION :

(Selec. of time between notifications)

```
NETTOYER EVAP NOTIF  
>TEMPS ENTRE 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)

```
TEMPS ENTRE NOTIF  
↑↓  
60 D  
+ CONFIRMER
```

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.)

```
NETTOYER EVAP NOTIF  
TEMPS ENTRE NOTIF  
>ACTIVATION NOTIF
```

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

#### NOTIFICATION ACTIVATION :

(Select activation/deactivation)

```
ACTIVE NOTIF      ↑↓  
+ CONFIRMER      OUI
```

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 CHAUFFE PISC  
CENTRE D'INFO  
TEMPS D'UTILISATION  
>ACTIVATION NOTIF
```

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

#### NOTIFICATION ACTIVATION :

(Navigate to backwash/notification)

```
ACTIVATION NOTIF  
NETTOYER EVAP 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  
>TEMPS ENTRE NOTIF  
ACTIVATION NOTIF
```

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

#### NOTIFICATION ACTIVATION :

(Select time between notifications)

```
TEMPS ENTRE NOTIF  
↑↓  
7 D  
+ CONFIRMER
```

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  
TEMPS ENTRE NOTIF  
>ACTIVATION NOTIF
```

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

#### NOTIFICATION ACTIVATION :

(Select activation/deactivation)

```
ACTIVE NOTIF      ↑↓  
NON  
+ CONFIRMER
```


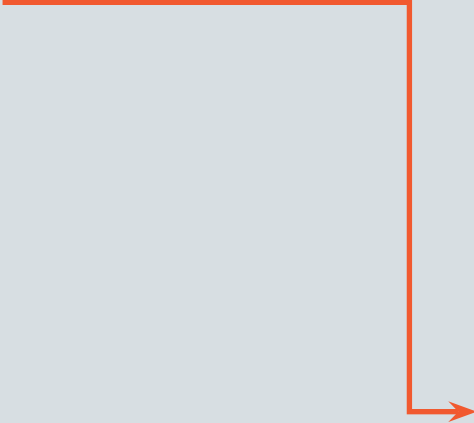
Choose between **activation / deactivation** (backwash notif) with the up or down arrow and confirm your choice with the left arrow.



## ELECTRONIC DISPLAY

# WI-FI MODULE

### USER ACCOUNT CONFIGURATION:

1. Open the Nirvana hp application available for iOS on Apple in the Apple Store or on Android in Google Play.
2. Create your user account, press register, and complete the form.
3. 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 WIFI menu of your heat pump. 
4. Once the MAC address is entered, save it.
5. You will receive a confirmation email. Click the link to confirm your account. If you do not see the email, check your junk mail.
6. You are now ready to control your heat pump remotely. 



## | ELECTRONIC DISPLAY

# WI-FI MODULE / UPDATE

### WI-FI AND UPDATE

#### WI-FI AND UPDATE:

(Navigate to Wi-Fi update option)

```
NIRVANA CHAUFFE PISC  
ACTIVATION NOTIF  
>WIFI/MISE A JOUR  
REGLAGES VERROU
```

Access **Wi-Fi and update** features.  
Enter the option with the right arrow.

#### WI-FI AND UPDATE :

(Navigate to Wi-Fi settings)

```
WIFI/MISE A JOUR  
>PARAMETRES WIFI  
LOGICIEL EMBARQUE
```

Navigate to Wi-Fi settings. When a Wi-Fi module is integrated, its specifications are shown here.  
Enter with the right arrow.

#### WI-FI AND UPDATE :

(Navigate to software information)

```
WIFI/MISE A JOUR  
PARAMETRES WIFI  
>LOGICIEL EMBARQUE
```

Option leading to software information.  
Enter the option with the right arrow.

#### WI-FI AND UPDATE :

(Navigate to current version)

```
LOGICIEL EMBARQUE  
>VERSION EN COURS  
NOUVELLE VERSION  
METTRE A JOUR
```

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

#### WI-FI AND UPDATE :

(View current version)

```
VERSION ACTUELLE  
4.2.3  
+ CONFIRMER
```

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

#### WI-FI AND UPDATE :

(Navigate to search for new version)

```
LOGICIEL EMBARQUE  
VERSION EN COURS  
>NOUVELLE VERSION  
METTRE A JOUR
```

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

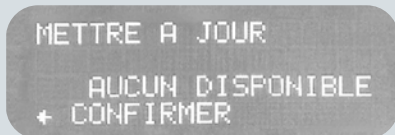
## ELECTRONIC DISPLAY

# WI-FI MODULE / UPDATE

### WI-FI AND UPDATE

#### WI-FI AND UPDATE :

(Display versions)



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

#### WI-FI AND UPDATE :

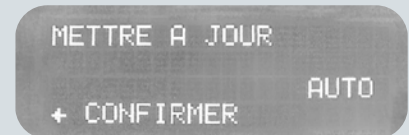
(Navigate to update)



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

#### WI-FI AND UPDATE:

(Download if applicable)



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.

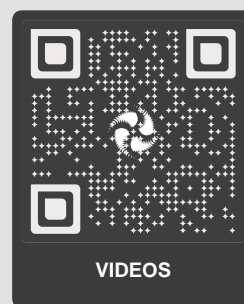
\* We recommend automatic mode

### WI-FI MODULE INSTALLATION :

<https://www.youtube.com/watch?v=GAI-7soe9-us>

(Please note that there is no longer an antenna)

### FIND OUR TECHNICAL VIDEOS :



[nirvanahp.com/media](http://nirvanahp.com/media)

## | ELECTRONIC DISPLAY

# LOCKING

### LOCK SETTING

#### LOCK SETTING:

(Navigate to lock setting)

```
NIRVANA CHAUFFE PISC  
ACTIVATION NOTIF  
WIFI/MISE A JOUR  
>REGLAGES VERROU
```

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

#### LOCK SETTING:

(Lock activation/deactivation)

```
REGLAGES VERROU  
>VERROU ECRAN
```

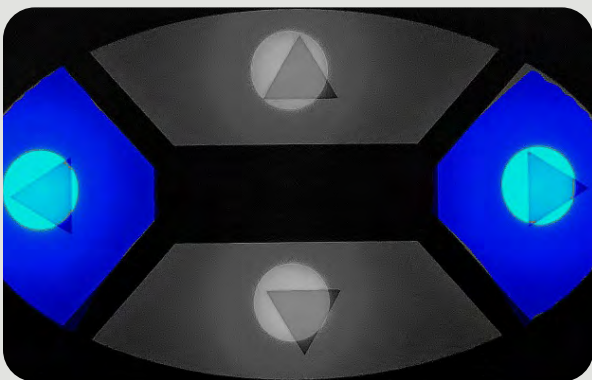
Navigate to the screen safety lock. Press the right arrow to access the option.

#### LOCK SETTING:

(Confirm lock activation)

```
ACTIVER VERROU ↑↓  
DEACTIVE  
+ CONFIRMER
```

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.)

# START-UP AND STARTING

## 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 heater, 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 inside.

**For maximum protection, cover your heat pump with a Nirvana winter cover. Contact Nirvana for more information : [NIRVANAHP.COM](http://NIRVANAHP.COM)**



## WARNING



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



## WARNING



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

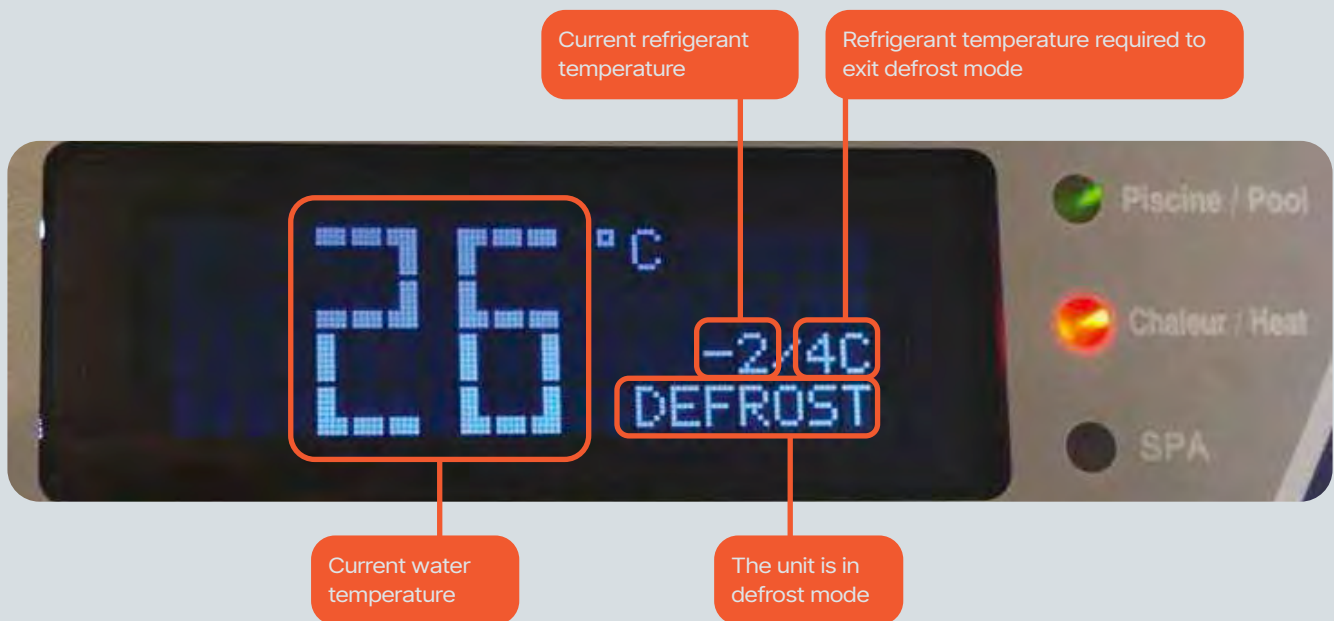
Shutdown must be performed before freezing conditions.

## ELECTRONIC DISPLAY

# DEFROST MODE

### DEFROST MODE

Defrost mode is a normal cycle that operates for a few minutes (especially when it is cold outside). During this process, the fan will be running while the compressor will be 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 heater 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 object obstructing the evaporator.
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](http://NIRVANAHP.COM)



## WARNING



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

# TROUBLESHOOTING

PROBLEM	CAUSE	WHAT TO DO
<b>WATER FLOW ERROR</b>	<ul style="list-style-type: none"> <li>• Water circulation inside the pool heater is insufficient ;</li> <li>• Bypass valve improperly positioned; there is no water circulation inside the pool heater ;</li> <li>• The water flow controller is defective.</li> </ul>	<ul style="list-style-type: none"> <li>• Check whether the circulation pump is operating ;</li> <li>• Check whether the bypass valves are properly positioned ;</li> <li>• Check the skimmer (if obstructed).</li> <li>• Perform a backwash.</li> </ul>
<b>DEFROST MODE</b>	<ul style="list-style-type: none"> <li>• The pool heater is in defrost mode.</li> <li>• Ventilation on the evaporator is insufficient ;</li> <li>• The fan is not operating.</li> <li>• Outdoor temperature is low.</li> <li>• Evaporator obstructed.</li> </ul>	<ul style="list-style-type: none"> <li>• Wait until defrost ends; the pool heater will restart automatically.</li> <li>• Check that the evaporator is not obstructed (pollen, grass).</li> <li>• Ensure there is proper clearance around the pool heater. (See installation).</li> <li>• Check that the fan is operating.</li> </ul>
<b>LOW PRESSURE CONTROL FAILURE</b>	<ul style="list-style-type: none"> <li>• Refrigerant leak.</li> </ul>	<ul style="list-style-type: none"> <li>• Contact Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>
<b>LOW PRESSURE 3 FAILURES IN 1 HOUR</b>	<ul style="list-style-type: none"> <li>• The pool heater shut down 3 times in one hour due to low-pressure protection for the reasons listed above (LP code)</li> </ul>	<ul style="list-style-type: none"> <li>• The pool heater will not be able to restart if it shuts down 3 times on one of the protections within the same hour.</li> <li>• Turn the circuit breaker off and back on to restart the pool heater.</li> <li>• Reset the circuit breaker or press the left arrow.</li> <li>• Contact Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>
<b>HIGH PRESSURE REFRIGERANT ERROR</b>	<ul style="list-style-type: none"> <li>• Circulation is insufficient ;</li> <li>• Bypass valve improperly positioned ;</li> <li>• Water outlet is blocked ;</li> <li>• Obstruction in the refrigerant circuit.</li> </ul>	<ul style="list-style-type: none"> <li>• Check that there is good water circulation inside ;</li> <li>• Check whether the bypass valves are properly positioned ;</li> <li>• Check that no object is blocking the water inlet or water outlet.</li> </ul>

# TROUBLESHOOTING

PROBLEM	CAUSE	WHAT TO DO
<b>HIGH PRESSURE 3 FAILURES IN 1 HOUR</b>	<ul style="list-style-type: none"> <li>The pool heater shut down 3 times in one hour due to high-pressure protection for the reasons listed above (HP code).</li> </ul>	<ul style="list-style-type: none"> <li>The pool heater will not be able to restart if it shuts down 3 times on one of the protections within the same hour.</li> <li>Turn the circuit breaker off and back on to restart the pool heater.</li> <li>Reset the circuit breaker or press the left arrow.</li> </ul>
<b>DISPLAY DISCONNECTED</b>	<ul style="list-style-type: none"> <li>There is no communication between the display and the control board.</li> </ul>	<ul style="list-style-type: none"> <li>Contact Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>
<b>DEFROST SENSOR OPEN CIRCUIT</b>	<ul style="list-style-type: none"> <li>The defrost sensor is defective.</li> </ul>	<ul style="list-style-type: none"> <li>Contact Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>
<b>WATER SENSOR SHORT CIRCUIT</b>	<ul style="list-style-type: none"> <li>The water sensor is improperly connected or cut.</li> </ul>	<ul style="list-style-type: none"> <li>Contact Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>
<b>WATER SENSOR OPEN CIRCUIT</b>	<ul style="list-style-type: none"> <li>The water sensor is defective.</li> </ul>	<ul style="list-style-type: none"> <li>Contact Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>
<b>AIR SENSOR OPEN CIRCUIT</b>	<ul style="list-style-type: none"> <li>The air sensor is improperly connected or cut.</li> </ul>	<ul style="list-style-type: none"> <li>Contactez Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>
<b>AIR SENSOR OPEN CIRCUIT</b>	<ul style="list-style-type: none"> <li>The air sensor is defective.</li> </ul>	<ul style="list-style-type: none"> <li>Contactez Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>
<b>THE FAN OPERATES NO CODE DISPLAYED, THE COMPRESSOR DOES NOT START</b>	<ul style="list-style-type: none"> <li>Electrical problem in the compressor circuit</li> </ul>	<ul style="list-style-type: none"> <li>Contact Nirvana : <a href="https://nirvanahp.com/en/service-call/">https://nirvanahp.com/en/service-call/</a></li> </ul>

# 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 heater, there is a strong chance that it is condensation. To make sure this water comes from condensation, you can turn off the pool heater 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.

## 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 heater 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.

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

If your pool heater 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](http://www.nirvanahp.com) **within 10 days following the purchase** of your pool heater. 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 : \_\_\_\_\_

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 heater itself. This warranty applies from the date of purchase (with proof of purchase provided by the retailer) and is valid for new pool heaters only (residential sector only).

The pool heater 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. Inadequate capacity ;
2. Abusive use ;
3. Inadequate maintenance of the pool heater 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 unforeseeable event.
7. Erosion of piping or internal components resulting in particular from improper closing procedures or poor water quality.
8. Sand infiltration due to defective filtration equipment or other abrasive substance in the unit's internal system;
9. Premature corrosion of the titanium heat-transfer tube due to improper use of chemical products in the pool (for example: pH rate, chlorine, salinity above or below standard)
10. Modifications, alterations, repairs, and replacement of parts carried out by persons not approved by Nirvana Chauffe Piscine inc.
11. Heat pump damaged or obstructed by the presence of sand in the system.

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 heater 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 heater 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)



 819-519-8970

 [info@nirvanahp.com](mailto:info@nirvanahp.com)

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