

EN User's manual



PF 6M-8M-11M-13M-15M



EN Heat pump for swimming pool

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It is important that this device be handled by competent and capable people (physically and mentally) who have received previous utilization instructions (by reading the user guide or as instructed by the installer). Any person who does not comply with these criteria must not get near the device to avoid exposure to dangerous elements.



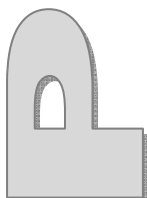
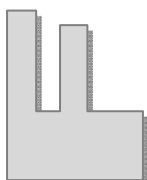
Keep the appliance out of the reach of children.



In the event of the appliance malfunctioning: do not attempt to repair the appliance yourself, but call your installer.

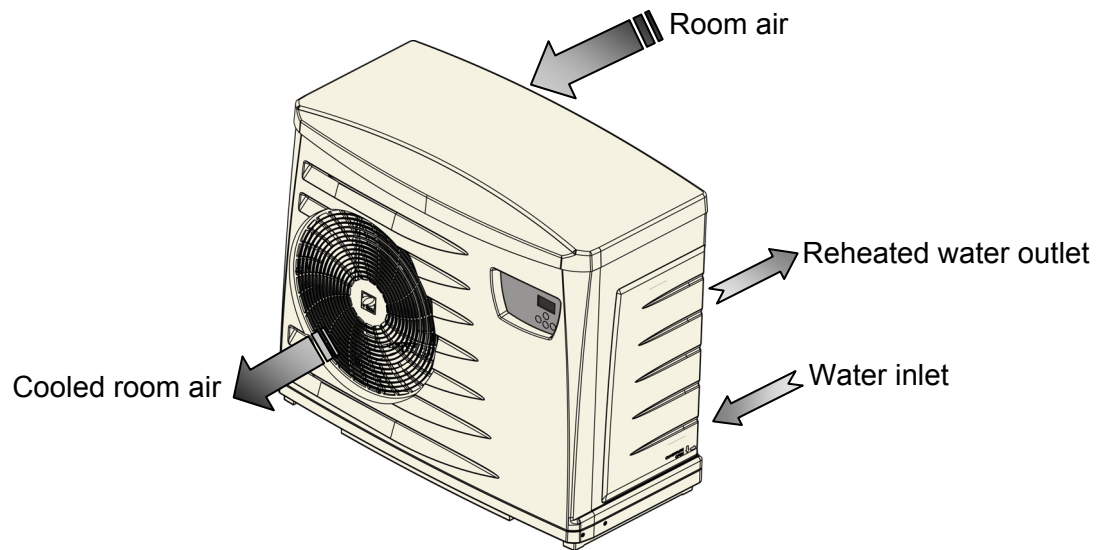


If a water treatment system (chemical or electro-physical disinfection) is added to the pool hydraulic circuit, this system must be installed downstream from the heat pump.



1. Operation

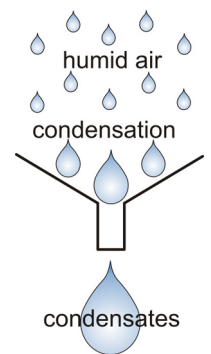
1.1 How it works



The heat pump takes the calories from the air and transfers them to the pool water, by using a refrigerating system.

➤ Why is my appliance draining water?

Your appliance gives off water, called condensation. This water is the humidity contained in the air which condenses on contact with some cold components in the heat pump.



1.2 Operating conditions

Operating range:

- between 5 °C and 38 °C of air temperature
- between 5 °C and 32 °C of water temperature

1.3 Field of application



Exclusive use: chauffage de l'eau d'une piscine
It must not be used for anything else.

2. Adjustments

2.1 Recommendations for raising the temperature

- protect the pool with a cover (blister cover, roller cover ...),



Strongly recommended to avoid heat loss.

- switch the filter system to "manual" mode, 24h/24 (unless priority heating is connected),



Take advantage of periods when the outside temperature is mild (> on average 10 °C) in order to facilitate the temperature increase (this can take several days, and its duration is variable depending on the weather conditions and size of the heat pump). The task of the heat pump is to extract the heat from the surrounding air and transfer it to the pool water. The higher the air temperature, the more heat the heat pump will be able to transfer to the pool water.

2.2 Setting the desired temperature



- : "on/off" or stand-by
- : display required water temperature or setting
- : setting values

- : controller "on" indicator
- : priority heating output enabled indicator
- : compressor "on" (steady) or timed (blinking) indicator
- : defrost in progress (steady) or timed (blinking) indicator

Starting up

the heat pump is in stand-by:

- press 3 seconds on ,
- appears for 5 seconds,
- then the water temperature is displayed.

Stopping of the appliance

- press 3 seconds on ,
- appears

Adjusting the temperature

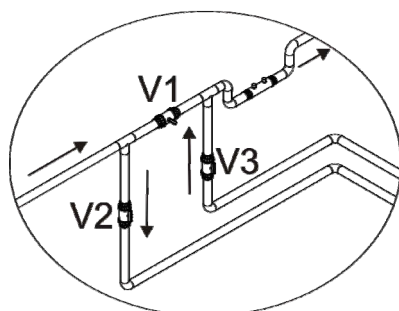
- press on and or and .

Putting the setpoint on maximum will not heat the water any faster.

2.3 Regulator display

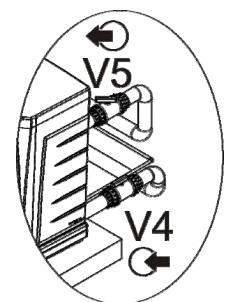
Display	Status / cause	Solution
	heat pump stopped, waiting	wait for the filter to start up again, if the message persists, contact your installer
	Outside temperature too low	Wait for the outside temperature to increase naturally

2.4 Adjusting the water flow






V1-V2-V3:
by-pass valves

V5-V4:
Setting valve
(optional)





During the first 5 minutes of operation: the 3 coloured bars blink
One bar indicates whether the water flow-rate is:

- too low  (red bar), close valve 1 a little, then, open valve 3 a little (or 5 if is present),
- correct  (green bar),
- too high  (red bar), close valve 3 a little (or 5 if is present), then, open valve 1 a little.



In case of doubt on the identification of the valves, approach you installer.



During this adjustment phase, wait 30 seconds after each valve position change as the regulator response time is not instantaneous.

3. Overwintering and restarting



Wintering is essential, on pain of annulling the warranty, because the wayer contained in the heat pump is liable to freeze and burst some components open.

It consists of draining the water contained in the heat pump.

Approach you installer, who will indicate to you how to carry out the overwintering and la remise en service.

4. Maintenance



A general servicing of the appliance is recommended when wintering and restarting, to check the proper operation of your appliance, maintain its performance and to prevent some breakdowns



Cleaning your appliance using a high pressure water jet is strictly forbidden.

➤ **Cleaning the evaporator:**

Approach you installer, who will indicate to you how to carry out this maintenance.

➤ **Maintenance of the electrical components:**

Approach you installer.

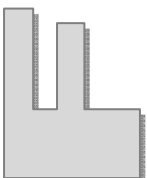
➤ **Maintenance of the draining of condensation:**

Approach you installer.

➤ **Maintenance due to the presence of refrigerant gas:**

Approach a certified refrigerator specialist to have him check the refrigerant gas load of your appliance.

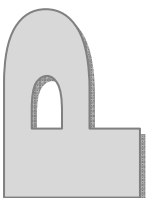
4.1 Available accessories (from your installer)



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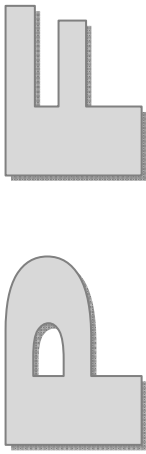


Wintering cover

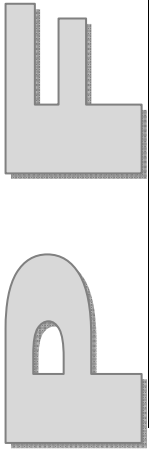


For ongoing improvement, our products are subject to change without notice.

Version of 12/2009 B



Appliance:	Serial number:	Started the first time on:
Date	Action	Signature/stamp



Date	Action	Signature/stamp





www.zodiac-poolcare.com

Votre installateur - Your installer