



Closing procedures for half-ground pools

Note: Carefully read this entire document before proceeding with the closure of your pool.

In order to avoid unpleasant surprises, please check with your insurance company to make sure that your pool is insured. For easier opening in spring, Trévi recommends that you close your pool as late as possible, ideally once the water temperature drops to about 10°C (50°F). We recommend that you have a complete test of your water done in one of our 4 superstores. Adjust alkalinity to between 100 and 120 ppm and pH to between 7.2 and 7.4 in order to maintain neutral water. Maintaining the water and the bottom clean longer will help prevent the accumulation of dirt and minimize the formation of bacteria and algae. Closing your pool late also ensures that the vinyl liner is exposed to the sun's rays for a shorter period of time and therefore less likely to dry up and fade. Make a drawing or take a photograph of your filtering system to facilitate reassembly come spring. Be sure to monitor the water level in your pool in order to detect leaks. Any necessary repair work must be carried out prior to winterizing, as ice will begin to form on the surface of the water once temperatures drop below freezing. In the event of a leak, the water level gradually drops and the ice falls to the bottom of the pool, exerting pressure on the pool walls and stress on the vinyl liner, which may result in serious damage. To protect equipment against freezing and maintain clear water, **do not turn off the filter system prior to winterizing your pool.**

1) PROCEDURES

- Add half a container of **TRÉVI STOP** (optional) and wait 12 hours.
- Vacuum and clean liner if necessary using **TREVI VINYLE NET**.
- Place filter handle on **BACKWASH** position and run the pump for 4 minutes.
- During backwash, pour 2 litres of **TRÉVI FILTRE** (optional) into the skimmer and close the bottom drain (do not add this product if you have a cartridge filter system (do not add this product if you have a cartridge filter system).
- Place filter handle on **DRAIN** or **WASTE** and the three-way skimmer valve in the closed position. For emptying a cartridge filtration system, close the return line and remove the drain plug.
- Empty the drainage well.
- Lower water level to **4" below the bottom of return.**
- Disconnect the water return line at the pool end. Next, at the pump end, disconnect the line from the 3-way valve. Lastly, again at the pump end, disconnect the line to the filter. Apply lubricating gel (not Vaseline) on any apparent O-rings
- Raise the hose leading to the pump in order to secure it under the top seat using small cords or tie wraps (if above-ground).
- If your feedline is underground, place the main drain valve to place all pipes opened.
For above-ground feedline, close the access to the pump.
- Pour 1 gallons of non-toxic antifreeze in the drain line via the skimmer (not before the month of October).
- Insert the foam tube completely inside the skimmer pipe in the direction of the valve, and in the pipe attached beforehand on the side of the pool.
- Remove, basket, skimmer weir, the eyelet, the return ring and and steps (lights)
- Insert a styrofoam chunk inside the skimmer.
- Drain pump. Make sure it is empty. Do not replace drain plugs. Pour a gallon of antifreeze* into the pool's pump in order to keep the mechanism properly lubricated.
- Remove screws holding the base of the pump and store pump indoors for the winter. As well, place entire cartridge system indoors for storage.
- Flush any chemicals from the chlorinator. Rinse thoroughly to avoid damage.

2) DRAINING THE PIPES

There are two ways to flush water from underground pipes:

➤ **If you are using a Shop-Vac type vacuum:**

Position the 3-way valve handle to close the bottom drain. Position the filter handle to the "winterize" or "close" position and remove the pressure gauge. For cartridge filters, open the air valve (purge). Vacuum the water from the skimmer line. Do not forget the discharge line. Disconnect the hoses where the connectors unscrew, Add ½ gallon of non toxic antifreeze* into the water return line and ½ gallon into the hose connecting the pump to the valve.

➤ **If you are using a blower:**

Use a vacuum blower and connect the vacuum hose to the skimmer intake. For cartridge filters, remove cartridge. For sand filters, set the filter handle to "WHIRLPOOL" or to "RECIRCULATE". Leave the pressure gauge in place. Activate the filter pump for one minute. Blow into the furthest return hole and plug the other holes until no more water comes out of the unplugged hole. Plug this hole, and repeat the operation immediately for the second furthest hole. Repeat this operation for all the holes, working your way to the hole closest to the filter. Stop the blower when water ceases to drip from the last hole. DO NOT FORGET to blow the additional lines (the water cascade hole, for example). For the backflow line, set the filter handle to "DRAIN" or "WASTE" while activating the blower. Don't forget to thoroughly empty the fountain line with compressed air. Disconnect the lines, Add ½ gallon of non toxic antifreeze* into the water return line and ½ gallon into the hose connecting the pump to the valve. (For cartridge systems, please remove them prior to blowing compressed air.)

If your water return is located below ground level, screw a yellow cap from within the pool into the return. Don't forget to reset the bottom drain valve to the "Winterizing" position. For water returns located above ground, place a #8 expansion plug into the water return adaptor, from outside the pool.

Genevieve Guitard 10-9-13 11:39

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3) **SPECIAL EQUIPMENT**

• **HEAT PUMP**

Put heat pump to *OFF* and deactivate the corresponding breaker. Disconnect fittings and blow out and (or) vacuum water lines. This will prevent ice from forming and expanding inside the fittings during the winter. Rinse out the heat exchanger in order to eliminate chlorine deposits, which may otherwise corrode the zinc and copper alloy. We also suggest that you add non-toxic antifreeze* to both exchanger pipes. Cover with a waterproof cover, allowing for air circulation (if air cannot circulate under the cover, humidity will accumulate and damage the equipment).

• **GAZ WATER HEATER**

To close your gas water heater, you must first close the valve near the water heater, and then close the valve on the tank. This leaves some gas in the line for faster and easier opening in the spring. For your oil heater, remove the plug and drain out all water. Leave the plug off for the winter. We suggest you add non-toxic antifreeze* to the two exchanger hoses.

• **SAND FILTERS**

Empty the filter. Make sure it is completely empty. Do not replace drain plug. Position the filter handle on "WINTERIZE" or on "CLOSE" and remove the pressure gauge, the bottle, the plug and the filter drain.

• **CARTRIDGE FILTER**

Remove the filter drain plug and allow the reservoir to drain. Remove the cartridge and rinse it with clear water. Rinse reservoir interior as well. Clean cartridge using **Trévinergie CARTRIDGE CLEANER**. Soak cartridge in bucket for 24 hours, rinse and let dry. Trévi suggests that you store your system indoors to protect it.

• **LUMI-O & ÉLITE LIGHTS**

Unplug light. Remove bulb. Apply petroleum jelly (Vaseline or Jack Formula) on the socket and place bulb back into casing.

(Only *Lumi-O*). For *Élite* lights, insert styrofoam strip into the corresponding space on the lens.

• **TECHNOSOLIS (Preparing system for winter)**

Technosolis solar panels are not warranted against winter damage. You must therefore be sure to completely drain the solar pool heater to prevent any such damage. If the filter, solar panels or control valves are installed below pool level, use the specific winterizing procedures provided with your system.

For most other installations, use the following procedure.

1. Turn the main switch of the automatic control to ON.
2. Stop the filter pump.
3. Remove the end caps located below the rows of solar collectors.
4. Drain the solar collectors using a Shop-Vac type vacuum cleaner.
5. Drain any other pipes that may contain water (e.g., pipes located below the filter that do not drain automatically).
6. Ensure that all lines are well supported.

• **SALT SYSTEM**

Disconnect power supply by switching OFF main circuit breaker. Disconnect white cable from electrolysis cell. Turn filter pump off or open bypass valve (if there is one). Ensure that no water flows onto cell. Unscrew the unions in order to dismount cell. Set the cell on its cleaning stand (ref.: Stand Cleaner), with cable at bottom. Fill the cell with 1 litre of **LECTRA CLEAN** phosphoric acid in order to decalcify it. (Take all necessary precautions and read the instructions on the container.) Allow no more than 20 minutes of contact time. Pour product back into its container. Check if all scaling has dissolved. If necessary repeat procedure if necessary to perfectly clean the cell. Remove the cell from its base. Rinse with clear water. Place in storage until you reopen in spring. If the box is outdoors and not sheltered, be sure to cover it for protection from wind, snow and rain. If you own a salt-water system, it is strongly suggested to add a gallon of antifreeze to your pool's pump in order to keep the mechanism properly lubricated. Failure to do so may result in premature deterioration.

• **OZONE SYSTEM**

Disconnect the pool's ozone system and store it inside, along with the box.

4) **POOL CLOSING KIT**

Note: To find out which **PERMA POLAIRE** kit to use for your above-ground pool, refer to the directions on the packaging or ask your TRÉVI representative.

- Place the **POLAR CONDITIONER** in the styrofoam ring, punch two of the four holes and leave it to float in the pool.
- Salt system kit : Pour **METALOC** : Pour directly into the water. Wait 1 hour.
- Dilute **PERMA 180** in a bucket of warm water and pour directly into the water all around the pool. Wait 4 hours.
- Pour **PERMACIDE** directly in the water. Wait 4 hours.
- Pour the other half of the **TRÉVI STOP** (optional) container directly into the water all around the pool in order to make the ring around the pool easier to clean in the spring.

Reminder: Before the first frost (October), add **TRÉVI ANTIGEL** (*Permafrost*) in the pipe that goes to the bottom drain through the three-way valve.

5) **INSTALLING THE WINTER COVER**

TRÉVI recommends the use of a winter cover because it protects the vinyl liner against the sun's rays and shields the water from debris, dirt and leaves. It also prevents chemicals from evaporating, which helps keep the water clear until it freezes. The winter cover is held in place by ropes and pegs or by water tubes. This last method is recommended as it holds the cover in place and prevents dust from penetrating under the cover. For mesh covers, it is essential to place inflatable balloons below your cover.

For winter covers that are three feet wider than the pool, it is essential to use inflatable balloons below your cover. High tension on the cover could damage the pool and void the warranty.

Trevi offers a variety of products, and the installation technique may vary from one product to the other. An in-store representative will be glad to help you make the appropriate choice.

IMPORTANT: AFTER NOVEMBER 1st, once the pool is closed, heavy rains may raise the water level in the pool. If so, you will need to lower the water level to 50 cm (20") below the bottom of the skimmer. A high water level combined with freezing action may otherwise damage the wall near the skimmer, as well as the skimmer and the structure. In such an event, your pool warranty could be rendered void. For steel-sided pools, always keep a uniform quantity of snow around the sides of the pool.

* In stores, you will find 3 types of antifreeze. We suggest you consult with the specialist to choose the appropriate antifreeze.