



Closing procedures for in-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, Trevi 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) PROCEDURE

- Check that there is little or no water in the dry well (less than 12 inches)
- Add half a container of TRÉVI STOP (optional) and wait 12 hours.
- Vacuum and clean liner if necessary using TRÉVI VINYLE NET.
- Only if you are using a sand filter :
 - Set filter on BACKWASH . Pour 2 litres of TRÉVI FILTRE (optional) into the skimmer and close the bottom drain. Run the pump for 4 minutes.
- Lower water level to 5 cm (2 inches) below the water returns. If there are jets in your steps, you will need to bring the water level below the lowest jet. There are three ways to proceed:

- Bottom drain connected to the skimmer

Leave both holes open, place vacuum plate on basket and block hole using plug. Hold the vacuum plate down with a heavy object (e.g., a gallon of antifreeze). Insert the garden hose into the skimmer and turn the water on low.

If you are using a sand filter, place filter handle on DRAIN or WASTE.

If you are using a cartridge filter, open the overflow valve or unscrew the cap located at the bottom of the filter and install backwash hose.

- **Bottom drain connected directly to the pump:** Close the skimmer valve and leave the drain valve open. Place garden hose in the skimmer and allow a trickle of water to run out.

- **If you are using a sand filter**, place filter handle on **DRAIN or WASTE**.
- **If you are using a cartridge filter**, open the overflow valve or unscrew the cap located at the bottom of the filter and install backwash hose.

- No bottom drain

- Prepare as if for vacuuming. Place the garden hose in the skimmer and allow a trickle of water to run out
- **If you are using a sand filter**, place filter handle on **DRAIN or WASTE**.
- **If you are using a cartridge filter**, open the overflow valve or unscrew the cap located at the bottom of the filter and install backwash hose.
- While the water level is going down, remove solar blanket, rinse, let dry and store for winter. Remove all accessories, e.g., thermometer, baskets, solar blanket winder, robot cleaner, cable and floats. Remove ladder, taking care not to remove rubber pads.
- Remove diving board. Never remove base
- Remove return holes rings, eyeballs and all spa jets located in the step (if applicable). It is important to never remove the plates that are attached by 4 screws.

2) DRAINING THE PIPES

You will need to drain the pipes completely, except for the bottom drain pipe, to avoid damages during winter.

Choose one of the following methods:

If you are using a Shop-Vac type vacuum:

If you are using a sand filter, place filter handle on **WINTERIZE or CLOSE** and remove the gauge.

If you are using a cartridge filter, open the air valve (purge) and remove cartridge. Make sure the bottom drain is closed. Vacuum the skimmer line by connecting the vacuum hose directly to the bottom of the skimmer. Vacuum the farthest water line by connecting the vacuum hose to the water return inside the pool and by blocking the other water return holes with plugs. Repeat this operation for all the holes, working your way to the hole closest to the filter. Do not forget the discharge line.

If you are using a blower:

- If you are using a sand filter, set the filter handle to « **WHIRLPOOL** » or to « **RECIRCULATE** ». Leave the pressure gauge in place.

If you are using a cartridge filter, remove cartridge and leave the air valve (« purge ») on top of the filter closed. Make sure the bottom drain is closed. Activate the filter pump for one minute. Connect the blower to the bottom of the skimmer. If you have more than one water return line, you will need to blow each one separately. Close all lines except for the water return line. Plug all water returns except the one located farthest from your filtration system, then start the blower. When no more water comes out, 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. **DO NOT FORGET** to blow the additional lines (water cascade or slide hole, for example) by opening and blowing them one at a time. If you have an underground backwash line, set the filter handle to « **DRAIN** » or « **WASTE** » while activating the blower. Stop blowing when no more water comes out.

3) WINTERIZING WATER LINES

- Pour 1/2 gallon of non-toxic antifreeze* per return line, as well as into the skimmer.
- Add 1 gallon of non-toxic antifreeze* for the bottom drain line
- Insert foam cylinder into the skimmer hole closest to the water (if applicable) so that it fits into the hose leading to the bottom drain.
- Cover all 1 1/2 » caps with Teflon tape and screw them in place onto the water return holes and in the bottom of the skimmer. If your Trevi pool was installed in 2008 or later, you will need to use a 2 » screw cap for the bottom of the skimmer.
- If you have jets in your steps, place an expanding cap into each of the cavities, then raise water level to 2 inches below the pool's water returns.
- Place the specially designed Styrofoam cube inside the skimmer to protect against freezing damage.
- Empty the pump by removing drainage caps. Replace caps after pump is empty. Pour a gallon of non-toxic antifreeze* into the pool's pump in order to avoid damage to mechanical seals and bearings.
- Flush any chemicals and water from the chlorinator to avoid damage. Rinse properly to avoid damage. Remove drainage cap for the winter.
- Add « Jack's » lubricating gel (no Vaseline) to all apparent o-rings and to all anchor blocks (ladder and steps) and bolts.

4) WINTERIZING YOUR EQUIPMENT

Note: To avoid unnecessary breakage, make sure the power is off (breaker in OFF position) during winter. Put tape on the breaker to prevent anyone from reactivating it.

- **HEAT PUMP:** Turn the heat pump to OFF and deactivate the corresponding breaker. Disconnect the gas valve 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 any chlorine deposits which could corrode the zinc and copper alloy. We also suggest that you add non-toxic antifreeze* to both exchanger pipes. In both cases, disconnect the fittings and blow out and (or) vacuum the water lines.
- **GAS (PROPANE OR NATURAL):** To close your gas 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. We suggest you add non-toxic antifreeze* to the two exchanger hoses.
- **SAND FILTERS:** Empty the filter by unscrewing the drainage cap located below the tank. Make sure it is completely empty. Do not replace drain plug for winter. Position the filter handle on « WINTERIZE » or on « CLOSE » and remove pressure gauge and bottle
- **CARTRIDGE SYSTEM:** Drain the reservoir by removing the filter drain plug. Remove the cartridge(s) and rinse with clear water. Rinse reservoir interior as well. Clean the cartridge(s) with Trévinergie CARTRIDGE CLEANER. Soak in a bucket for 12 hours, rinse and let dry. Trevi recommends that you store the system indoors to protect it from frost.

• **HAYWARD LIGHTS:**

- i. HALOGEN : Firmly pull the light towards the swimming pool. A slit on the edge will help you remove it. Do not use tools. When you remove the bulb from its housing, you will have about 36 inches of cable to bring it up to the pool deck and secure it to a peg. Insert a chunk of Styrofoam into the housing.
- ii. LED lights : Remove the front screw. Pull the light firmly toward the pool. Do not use tools. Do not use tools. When you remove the bulb from its housing, you will have about 36 inches of cable to bring it up to the pool deck and secure it to a peg. Insert a chunk of Styrofoam into the housing.

• **LUMI-O LIGHTS:** First unplug the breaker, then remove bulb and leave shell inside the casing. Lower the water level as recommended, regardless of the light.

• **OPTIC FIBRE:** Turn breaker off.

• **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, with cable at bottom. Fill the cell with 1 litre of phosphoric acid « LECTRA CLEAN » in order to decalcify it. (Take all necessary precautions and read the instructions on the container.) Allow 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 clean water and reinstall. If the box is outdoors and not sheltered, be sure to cover it for protection from wind, snow and rain. If you have an Aqua Logic® system, be sure to cover any externally installed valve actuators as well 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 :** Turn off power to the ozone system. Disconnect the see-through hose from the control panel as well as the hose attached to the pool. Cover with adhesive tape on the control panel. Blow the by-pass thoroughly. If the power supply is connected to a 220V input, cover it to protect it from the elements.

• **SPILL-OVER SPA:** Drain the spa and remove the jets and drains by removing the screws. Blow out or vacuum water lines. Place rubber plugs in all spa openings and fill halfway.

5) POOL CLOSING KIT

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

• **If you are using a chlorine or ozone system**

- Place the PERMA POLAR in the Styrofoam ring, punch two of the four holes and leave it to float in the pool.
- Dilute PERMA 180 in a bucket of warm water and pour directly into the water, on all sides of the pool. Wait 4 hours.
- Pour PERMACIDE directly into the water. Wait 4 hours.
- Pour the other half of the TRÉVI STOP container (optional) directly into the water all around the pool in order to make the ring around the pool easier to clean in the spring.

If you are using a salt system

- Pour PERMACIDE directly into the water. Wait 15 minutes.
- Dilute the 3 bags of « TREVI-OXYDANT » in a bucket of warm water and pour directly into the water, on all sides of the pool. Wait 1 hour.
- Pour METALOC directly into the pool water. Wait one hour.
- Pour the other half of the TRÉVI STOP container (optional) 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), pour « TREVI ANTIFREEZE » (Permafrost) into the bottom drain line.

Make sure there is little or no water (less than 12 inches) in the drainage well before frost sets in.

6) 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.

*** In stores, you will find 2 types of antifreeze. We suggest you consult with the specialist to choose the appropriate antifreeze.**