



ASSEMBLY INSTRUCTIONS

ABOVE GROUND CIRCULAR STEEL WALL SWIMMING POOL

SERIES PROMO

Thank you for selecting a TOI swimming pool. You have chosen a high quality swimming pool, produced according to the most up to date technologies and the strictest norms of security.

ATTENTION

READ THESE INSTRUCTIONS CAREFULLY BEFORE PROCEEDING TO ASSEMBLE YOUR SWIMMING POOL. REMIND ALL POOL USERS THAT THESE SAFETY INSTRUCTIONS MUST ALWAYS BE FOLLOWED-UP. KEEP THESE INSTRUCTIONS FOR FUTURE CONSULTATIONS.

SAFETY GUIDELINES

- Remember that safety is the most important factor when installing the swimming pool. Safety must be given priority over any decorative aspect. Do not lean, jump, sit, stand or walk on profiles. They have not been designed to that effect.
- Do not dive or jump headfirst in your swimming pool, do not jump from a ladder or elsewhere. This pool is not deep enough to dive without risk of accident. The self-adhesive sign "Unsupervised, your child is in danger" must be placed close to or on your pool. For replacement adhesives, please contact our factory.
- Do not use your swimming pool when being under the effects of alcohol, medicines or drugs.
- To avoid drowning and injuries, do not leave tables, chairs or other objects near the swimming pool to prevent children from climbing into the pool.
- Do not install a slide on your swimming pool.
- To avoid electrocution risk, do not manipulate electrical equipment near to your swimming pool or with a wet body. Make sure that all electrical equipments is protected by a grounded switch.
- When bathing, never use metallic or punching footwear.
- If your pool has a cover on, do not allow anybody, and especially small children, to walk or play on it.
- Assign one entrance and exit for your swimming pool. This area must be kept totally clean. Remove all objects that could hurt barefooted people.
- Do not make holes in your swimming pool wall to install lights or any other devices. It could result in serious injuries, inundation, electrocution or property damage.
- For more security, we recommend to install a 122cm high fence or wall around your swimming pool made of a resistant material. All access doors/gates should have a lock installed at least at 122 cm high in order to prevent small children from opening them. If doors, windows and garden gates make part of the fence, make sure that they can be closed with a key or bolt.
- Do not use your swimming pool at night or when visibility is not good. The water of your swimming pool should be kept clean always in order to see the bottom and appreciate its depth. Users should be capable to see that the pool is not deep enough to dive. If you decide not to take into account this safety instruction, then it is your responsibility to provide users the appropriate instructions on the correct use of this product and supply sufficient light. For lightning recommendations, consult your local licensed electrical contractor on the appropriate light so as to fulfil all local and national norms of electricity and other security requirements.
- If your swimming pool is equipped with a ladder, than follow-up all safety guidelines and assembly instructions indicated in the manual.
- A ladder must be used to get in and out of the swimming pool. When not in use, the ladder should always be removed and kept in an inaccessible place.
- In order to maintain its stability, the ladder should be placed on a solid, leveled base at all times. Only one person at the time should be on the ladder
- Install the ladder where the entrance/exit of your swimming pool will be.
- Never use your ladder for other aims. The pool ladder has not been developed for other applications.
- If your swimming pool is equipped with a filter, make sure that the swimming pool is filled with water and your filter correctly connected as indicated in the manual,
- During the bathing season, the filter must work every day, long enough to renew all the water at least one time.
- Verify all parts of your pool on a frequent basis in order to detect possible failures and make sure all components are installed correctly. Always replace components with original **TOI** spare parts.
- This swimming pool has been designed for private use only. Do not use for commercial activities.

- Your children's safety depends on you! Risk is high when children's age is under 5 years! Accidents not only happen to other people! Avoid accidents and be prepared to react in case they occur!

Supervise and act:

- never leave a child alone and unsupervised
- assign one person to be responsible for the users' safety.
- increase supervision according to the number of pool users.
- supply inflatables to those who do not know how to swim
- teach your children how to swim as early as possible.
- wet your neck, arms and legs before going inside the water.
- learn first aid techniques, especially those of application to children.
- do not allow diving and jumping.
- do not allow sprints or violent games near or inside your swimming pool.
- children that cannot swim should not be allowed to enter the swimming pool without life jacket and without the company of an expert swimmer.
- do not leave toys inside or near the swimming pool.
- keep water clean and healthy permanently.
- store chemicals for water treatment out of children's reach;

Keep:

- your telephone close to the swimming pool in order not to interrupt supervision.
- inflatables and pole near the pool.

In addition, we recommend following equipment:

- manual or automatic cover, correctly installed.
 - electronic device detecting passers-by and persons falling in the swimming pool.
- under no circumstances, these additional equipment will substitute constant supervision.

In case of accident:

- take child out of the water as quickly as possible.
- call for help immediately and follow the instructions given.
- replace wet garments by hot and dry ones.

Memorize and keep first aid telephone number close to the pool:

- fire brigade
- ambulance, doctor, ...

Non-compliance with the safety guidelines and maintenance procedure can be harmful to health, especially for children.

PART LIST

		Ø	Ø	Ø
		350	400	450
	L	1	1	1
	CH	1	1	1
	TO	23	23	23
	AR	23	23	23
	TU	23	23	23
	PL	11	13	14
	PSI	26	30	34
	TE	52	60	68

RECOMMENDATIONS FOR THE ASSEMBLY OF YOUR SWIMMING POOL

- 1) Take your time and read the instructions carefully before starting to install the swimming pool. Follow all the instructions.
- 2) This swimming pool has been designed to be easily installed. Final results will depend on your care and attention while installing the pool. The effort and care that you put into the preparation of the foundations can make a great difference in the life span of your swimming pool and its liner.
- 3) Check local laws and, if necessary, obtain the construction permits. Check local electrical and construction laws concerning the installation of swimming pools above ground level.
- 4) Do not forget that your swimming pool is like a big tank. If the pool is too full, pressure may originate a breach in the wall and cause inundation and important damages and injuries to people near the pool.
- 5) This swimming pool contains a large amount of water and a big weight. Take special care to avoid accidents. To calculate the approximate weight of your pool, convert the capacity of liters of water, based on the equivalent of 1 kilo=1 liter..
- 6) Gather and check the tools and materials you will need to install the swimming pool.
- 7) We recommend that at least two adults assemble the pool.
- 8) Approximate time for assembly of the pool (ground leveling and filling with water excluded) is 2,5 hours.

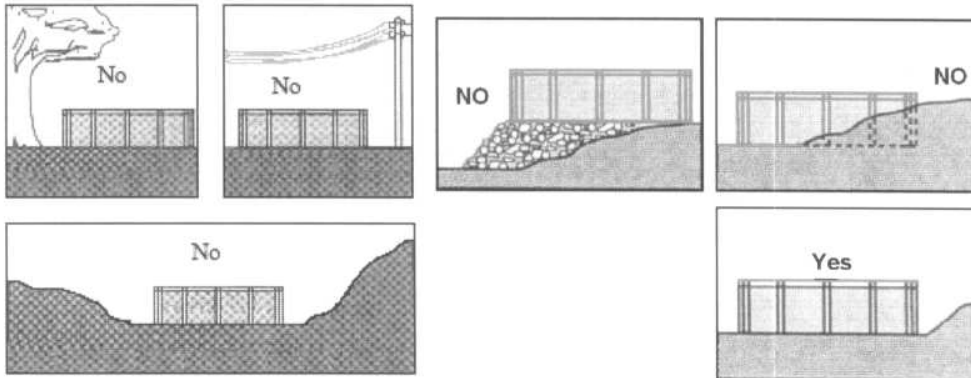
DETERMINING THE INSTALLATION SITE FOR THE SWIMMING POOL

Take a look at your property to decide the ideal and the best site for the swimming pool.

The ground:

A large area is ideal. However, if a flat area, large enough for the swimming pool is not available, then choose an area where minimum digging is required.

Under no circumstances, the swimming pool must be installed below ground level. This swimming pool must only be installed above ground and on a hard, solid ground. The swimming pool must be installed near a drain or sewage system to avoid flooding in case of breakage / leakage.



The swimming pool must be installed on a 100% plain and flat surface. Failure to observe this important safety measure can cause damage and deformation to the liner and / or the metal sheet, resulting in injuries to those who are near the swimming pool.

Never install this swimming pool inside a garage, or on a balcony, roof, terrace or any other surface that is not completely flat and solid. The maximum weight that the installation site can support must be taken into consideration.

Remove roots, grass and stones in the selected area, including those under the ground. The weight of the water will compress these elements between the liner and the earth under the swimming pool, resulting in damages. Grass left underneath the pool liner will rot and give of an unpleasant odor and stones and roots will damage the pool liner.

Avoid installing your swimming pool on fertilized ground or on any ground that has recently been treated with oil-based weed killers, chemicals or fertilizers. Avoid those areas where grass grows; it could go through the liner of your swimming pool.

Do not install your swimming pool on: marshland, tar, gravel and wood. A foundation made of leveled, solid and very compact soil / earth is the best base for your swimming pool. Do not install your swimming pool on a fragile earth or on a site that will not support the weight of the pool

Do not install your pool too close to your house, but in order to ensure maximum safety, install it where it can be readily seen and watched from the house.

Electric wires:

The swimming pool must be installed at a minimum distance of 6 meters from any electrical socket. To ensure maximum safety, it should never be installed directly below high voltage or medium voltage overhead electricity wires. In some communities, it is illegal to do so.

Underground cables:

Check for any buried electrical, telephone cables, or gas pipes at the site before you start digging to level the surface.

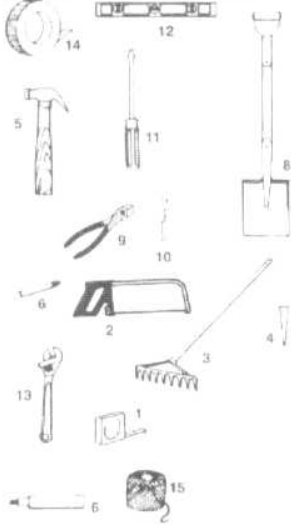
Trees:

Overhanging trees and their tenants (birds, insects ...) are not the swimming pools' best friends. The resin and falling leaves and twigs can cause problems in maintaining your swimming pool's water clean. If there is a filtering system, it will have to be used more often. Install the swimming pool away from the trees.

Grounded sockets:

In the case where the swimming pool has or uses a water filter or any other electrical device, and there is no grounded socket nearby, you must have one installed by an authorized electrical technician.

TOOLS

<ol style="list-style-type: none">1. A measuring tape2. A metal saw3. A rake4. A peg5. A hammer6. A marker (felt pen)8. A shovel9. A pair of pliers10. Clothespins11. A screwdriver12. A spirit level13. A wrench14. Adhesive tap15. String16. Gloves17. A straight wooden board	
---	---

INSTALLATION

To ensure maximum safety, gloves must be worn during the assembly of the metal sheet.

It is possible that some edges are sharp. If so, eliminate them with a file.

Do not bend or wrinkle the metal sheet during the assembly; unroll it carefully.

Place a cardboard under the metal sheet to unroll it easily and make sure that it does not get scratched by rubbing against the ground. Any scratches would cause the sheet to rust.

Do not bend or break the upper and lower sections during the installation.

Do not install the swimming pool on a windy day. It is extremely difficult to keep the swimming pool wall upright and it would probably fall, resulting in injuries.

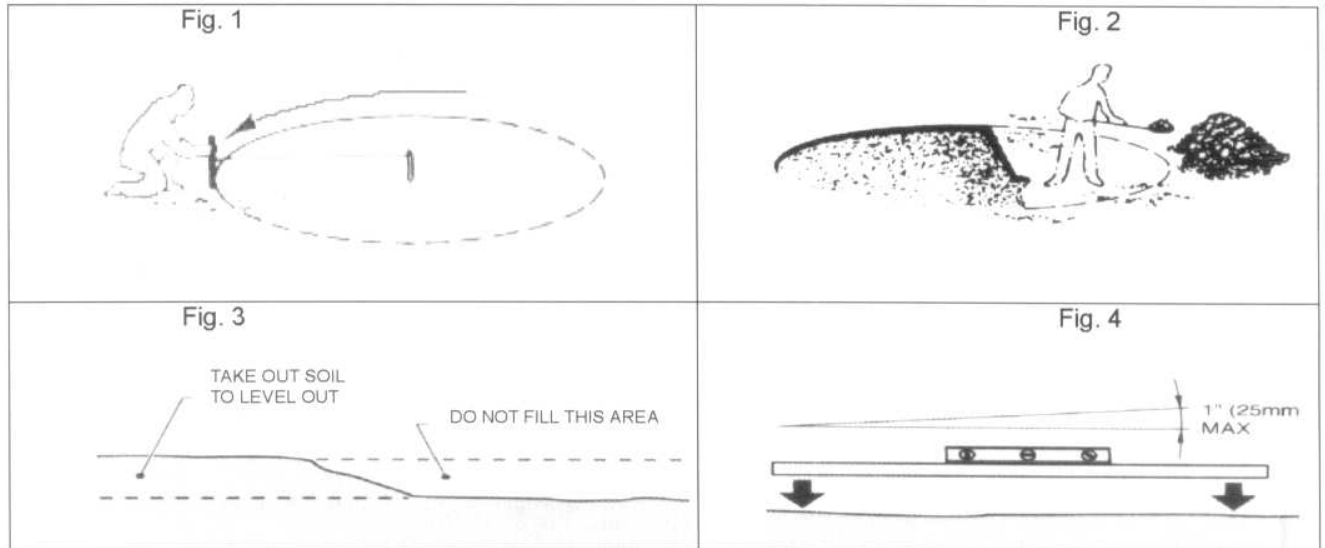
Always place a protective sheet under the liner in order to avoid wear and tear caused by rubbing against the ground and the weight of the water.

It is possible to level the ground in two ways:

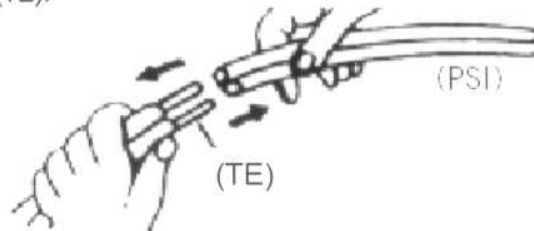
1st possibility: Prepare a concrete platform. The platform should have the same size as the pool diameter plus 30cm.

2nd possibility: Level the ground yourself:

- a) Hammer a peg into the ground in the center of the area where you want your pool. Tie a string equal to the length of the radius of the swimming pool to the peg and mark a circle (fig. 1).
- b) Level the ground in the marked area. The entire area of the swimming pool must be leveled and free of stones and twigs. Locate the lowest point within the circle. Using a leveling tool and a straight wooden board, level the surface down to the level of the lowest point. Do not fill in the holes; dig away higher areas (fig. 2, 3 and 4).



- c) Lay out the base profiles (PSI) (fig. 1) around the circle marked previously, except for the last profile. Each profile end will be joined to the next one by introducing two connectors (TE).



- d) Unpack the coiled pool wall and place it vertically on a cardboard at the center of the pool circle. Working in clockwise direction, start uncoiling the wall, guiding the bottom edge into the curved bottom profiles. Install the wall around the whole circumference until the wall is completely unrolled.
- e) Complete the circle, line up the holes in the two ends of the pool wall and join the ends with a bolt and nut through each head. The head of the bolts must be on the inner surface of the wall, and the washers and the nuts on the outer surface. All holes must contain a bolt, washer and nut, if not, the pool may break out. Make sure that all base profiles are correctly installed and close to each other, before cutting the last profile. Slightly lift up the steel wall in order to stall the cutted profile and connectors.
- f) Tight all the screws by using a wrench to fix the nuts
- g) Using a strip of PVC, cover the bolt heads on the inside of the pool wall to protect the liner from rubbing against objects, which is the main cause of tears in the liner (fig. 6). Stick the strip with glue for PVC. Ensure the screws are completely covered.

- h) Make sure that the swimming pool is completely circular (fig. 5). Adjusting the pool to the proper shape may cause the base profiles to slip out of alignment a little. Recheck and put in place if necessary.
- i) Cover the inside border of the circle using clean sand that is free of any stones or foreign objects. Press the sand into a vertical triangular shaped layer that covers the sections and the inside part of the metal wall. The height of this triangular layer must not exceed 7 cm. (fig. 7). In this way, you will prevent the liner from sliding under the metal wall and being damaged due to the pressure and the weight of the water.
- j) Check that all the profiles are well installed and cut the closing lower profile at the necessary dimension. Use a metal saw to cut. Slightly raise the lower part of the wall in order to put in place the cutted profile and the connecting tubes.

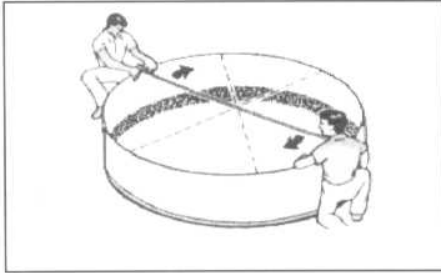


Fig. 5

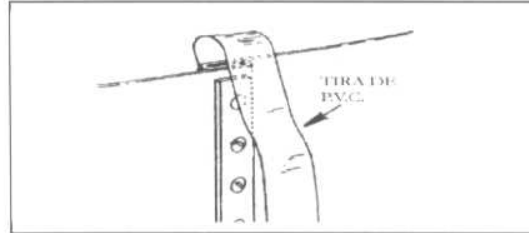


Fig. 6

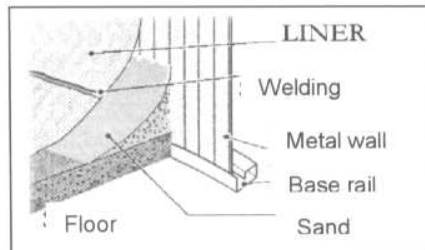


Fig. 7

INSTALLATION OF YOUR POOL LINER (L):

The liner used has been developed to withstand exposure to heat and ultraviolet rays for a long period of time. Therefore, under certain climates and conditions of use, the liner quality can vary slightly.

Never walk on the liner with your shoes on.

The liner is the most important and delicate part of the swimming pool. Do not use knives or any sharp objects to open the swimming pool bag/container. Carefully separate the liner from the rest of the parts and keep it in a safe place to avoid undesired holes or damages that could be caused by the tools or the metal wall.

Install the liner on a sunny day, minimum 20° C, so that it can easily stretch during the installation. It is made of a highly flexible vinyl material.

- a) Place the liner in the center of the swimming pool and unfold it towards the sides. The welded part that joins the base of the liner with the side must perfectly match the lower sections and the wall (fig. 19), all around the inside perimeter at the bottom of the swimming pool. The welded part of the liner must be placed towards the ground and the wall of the swimming pool.

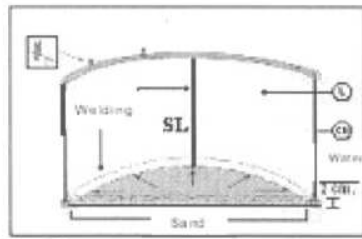


fig. 19

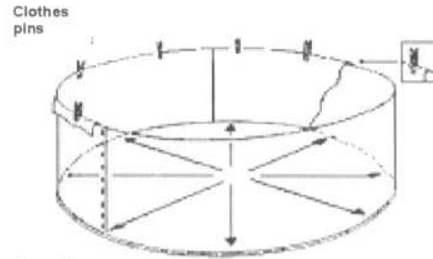


fig. 20

- b) Locate the side welding so that it is perfectly right and perpendicular on the ground. This will help you to place the liner without folds. Pull away softly all the excess of the liner.
- c) Lift the side of the liner that covers the upper edges of the swimming pool and fasten it to the top of the wall with clothespins (fig. 20). Remove the wrinkles by pulling smoothly outwards and adjust the liner. Do not pull too hard.
- d) The liner must be centered, well extended and not wrinkled. Start filling the pool with water, but not more than 2 cm. Make sure the pool wall is level. If the level is off by more than 25 mm across the diameter of the pool, empty the pool, take the wall apart and level the foundations again.

INSTALLING THE PLASTIC COPING (PL):

- a) Fasten the liner with the plastic copings and withdraw at the same time the clothespins. Let the liner hang slack for now.
- b) When all copings are installed, mark with felt pen the overlapping part, remove the coping and trim the extra length so there is no overlap (fig. 21). Be careful to not damage the liner when cutting the coping. Install the last plastic coping again.

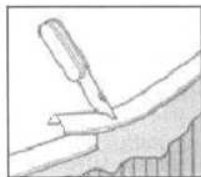


fig. 21 Cut extra length

INSTALLING THE UPPER PROFILES (PL):

- a) Press the upper profiles upon the plastic copings all around the swimming pool, except for the last part.
- b) Each profile end will be joined to the next one by introducing two connectors (TE).
- c) Before cutting the closing profile, make sure that all other profiles are close to each other. In order to cut the last profile at the correct dimension, fill the pool half. The water pressure will make the swimming pool stretch out and the distance of the profiles will be more accurate.

Fill the swimming pool with water up to 10 cm below the upper profiles.

If your swimming pool has a filter and/or ladder, then now follow their installation instructions.

SWIMMING POOL MAINTENANCE

Water maintenance

All swimming pools need chemical treatment to maintain the water disinfected and crystal clear. Consult your chemical products supplier to determine those that are best for your needs. Water treatment procedure is not the same in all regions, because it depends on the water quality in each region.

The best water quality is obtained by using the right preventive treatment. To prevent the growth of algae and bacteria, use bactericide, algaecide, water pH correctors and flocculants (except for cartridge filters). Apply the first chlorine treatment within 24 hours of filling the pool.

Never add chemical products directly to the water. Chemicals must be diluted before being introduced into the water. Otherwise, the liner could be damaged.

However, it is easier to keep the water clean than to clean contaminated water. Use your filter frequently.

Water maintenance is the most important factor in making your pool liner look excellent and last for a long time. Therefore, follow the instructions in the filter manual. The filter capacity must be high enough to filter the water of the pool 3 times in every 24 hours. The filter must be connected when there is nobody in the pool.

Make sure to check the water at least once a week, to keep the pool in optimum conditions.

Make sure that you do the following on frequent basis:

- a) Analyze the water pH and make sure it is between 7.2 and 7.6.
- b) Analyze the chlorine level and make sure it is between 0.5 and 2 grams per cubic meter.
- c) Remove any leaves and insects from the water.

Make sure that you do the following on weekly basis:

- a) Add the correct 'maintenance quantity' of algaecide.
- b) Add anticalcareous if lime is formed or the water is hard.
- c) Use flocculants to improve filtering (except when using a cartridge filter).

Handling chemical products and safety measures.

The following precautions must be taken when handling chemical products:

- 1) Use gloves to protect your hands and masks or goggles for eye protection.
- 2) No smoking where the products are stored or used. Many products are flammable.
- 3) Wash your hands and face after using the products.
- 4) Store the products in a dark and dry place. Do not leave the products in the sun.
- 5) Make sure that the containers are closed. Tighten their caps or lids.
- 6) Do not leave the products within the reach of children. Make sure that the products are stored in a high and safe place.
- 7) Do not reuse the empty containers.
- 8) Keep the products in their original containers.
- 9) Do not remove the labels from the containers.
- 10) Make sure that the storage area for chemical products has proper ventilation.
- 11) When raining, increase the level of chlor and antialgae-bactericide
- 12) When adding water in the pool, check again the chlor and antialgae-bactericide level.
- 13) Well ventilate the place where the chemical products are stored.

Pool maintenance

After your pool has been completely installed, follow these instructions to keep it clean and in good condition.

1. Liner
 - a. Regularly check for leaks in the liner.
 - b. Use the repair kit for small repairs on the liner.
2. Pool wall
 - a. Keep the pool wall clean. Clean the wall with a neutral soap. Do not use abrasives, chemicals or cleaning solutions.
 - b. Clean up spilt chemical product, used for water treatment, right away.
 - c. Coat all showing screw heads with clear outdoor varnish.
 - d. Check the metal parts for rust, at least once a year.
 - e. Coat all scratches and rusted areas with an anti-rust paint. Follow the instructions for paint application.
 - f. At the end of the season, drain the water until the water level is 30 cm. Remove the upper part of the liner and check for possible rust on the inner side of the pool wall.
 - g. Pay special attention to leaks in the filter and outlet holes. Leaks must be repaired right away.

Care during winter months

If the pool is not disassembled during the winter, compliment following instructions at the end of the season to prepare your swimming pool for the winter. During wintering, do not drain all the water. Never leave a swimming pool dry outside. Decrease the water level just below the skimmer opening. Cover the pool with a cover. To keep the cover flat, place an inflatable object or floater between the water and the cover. This way, the liner is not damaged by rain and / or freezing. You can also add a chemical product to the water in order to protect the liner against freezing. This product also facilitates the cleaning of the liner after the winter time.

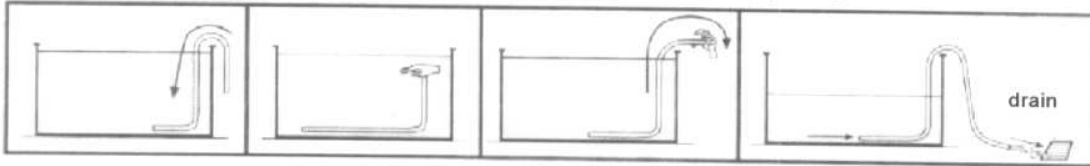
To avoid that the water starts freezing, let several empty plastic bottles (or balls made of Porespan) float on the water. In case of snow, remove the snow of the cover regularly so as to avoid extra weight on the cover.



1. Check all joints and screws.
 - a. Check that all joints are correctly adjusted. Check that the pool wall has not come out of the lower profiles.
 - b. Check that the screws are tight.
2. Check rusted areas
 - a. Paint all scratches or rusted areas using anti-rust paint.
3. Check liner
 - a. Check that the upper part of the liner is still joined to the pool wall with plastic copings. DO NOT remove the pool liner. Removal of the liner shall void the product warrantee and/or guaranty.
4. Find any leaks
 - a. Check that there are no leaks in the liner. Leaks can cause great damage to your pool during the winter.
5. Pool accessories
 - a. Remove all accessories, including the ladder, from the pool.
 - b. Wash the ladder with water and neutral soap.
 - c. Wash the rest of the accessories with water and neutral soap.
6. Filter
 - a. Remove the filter from the pool.
 - b. Wash the whole filter with water and neutral soap.
 - c. Read the filter installation and maintenance manual.

To empty, disassemble and store your pool:

First check the filter instructions to make sure that your filter has the 'option for emptying'. Use 'the communicating vessels principle': first, completely submerge a hose in the pool until it is full of water, then, cover one end with your finger and take it out of the pool. Water will start to come out. Make sure to keep the other end of the hose submerged to empty the pool.



Always keep in mind the amount of water that will be drained in order to avoid any problem. It is useful to have a drain close.

After all the water is drained, carefully disassemble the pool. In order to avoid any damage, deformation or tear, disassemble the parts in the inverse order to the installation. Check all the parts to make sure that they are perfectly clean and dry before storage.

Prior to storing, wash the liner with water and neutral soap that does not contain any chemical products. To conserve the liner in optimum condition and avoid bad odors and humidity, wipe the liner on both sides and dry it with a cloth or paper towel.

To make sure that the liner is not pierced, fold and store it in a separate place.

Keep the pool sections and parts in their original containers.

Keep the sections and parts of the pool in a dry and covered place.

If any of the pool elements are damaged, replace them as soon as possible with original TOI accessories. See the address at the end of this manual.

Assembled pool start up.

You should start up the pool at the beginning of the season. The proper procedure must be followed to avoid problems during the period of the year that the pool is used.

- a) Check that your pool equipment (filter, skimmer, cartridges) are in good condition and work correctly.
- b) If necessary, drain the pool and wash the liner with water and neutral soap or a disinfectant product. The liner must be cleaned when the sun is low. Maintain the walls and floor wet. Leave the product for a while and then rinse with water.
- c) When the liner is completely clean, fill up the pool.
- d) Begin the chlorination treatment. If it takes more than a day to fill up the pool, add the chlorine gradually throughout this time.
- e) To maintain the water in optimum condition, analyze the water pH and make sure it is between 7.2 and 7.6.

To reassemble your pool, follow the instructions beginning from the 'INSTALLATION' section.

For further consultations, please contact us:

TORRENTE INDUSTRIAL, S.L.
C/ Buitrera, s/n
46180 Benaguacil (Valencia)
SPAIN
Tel. +34.96.273.01.36
Fax. +34.96.273.05.45
E-Mail: infor@torrenteindustrial.com
www.torrenteindustrial.com

