



**ALBA**  
INTERNATIONAL (PVT) LTD.

Your Trustworthy Partner  
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# BUILDING SOLUTIONS

BUILDING  
SOLUTIONS

## 100 LINER AND PREFABRICATED POOLS

100 Modular prefabricated pools  
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117 Bluespring

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119 Classic custom and Professional

**ASTRALPOOL**

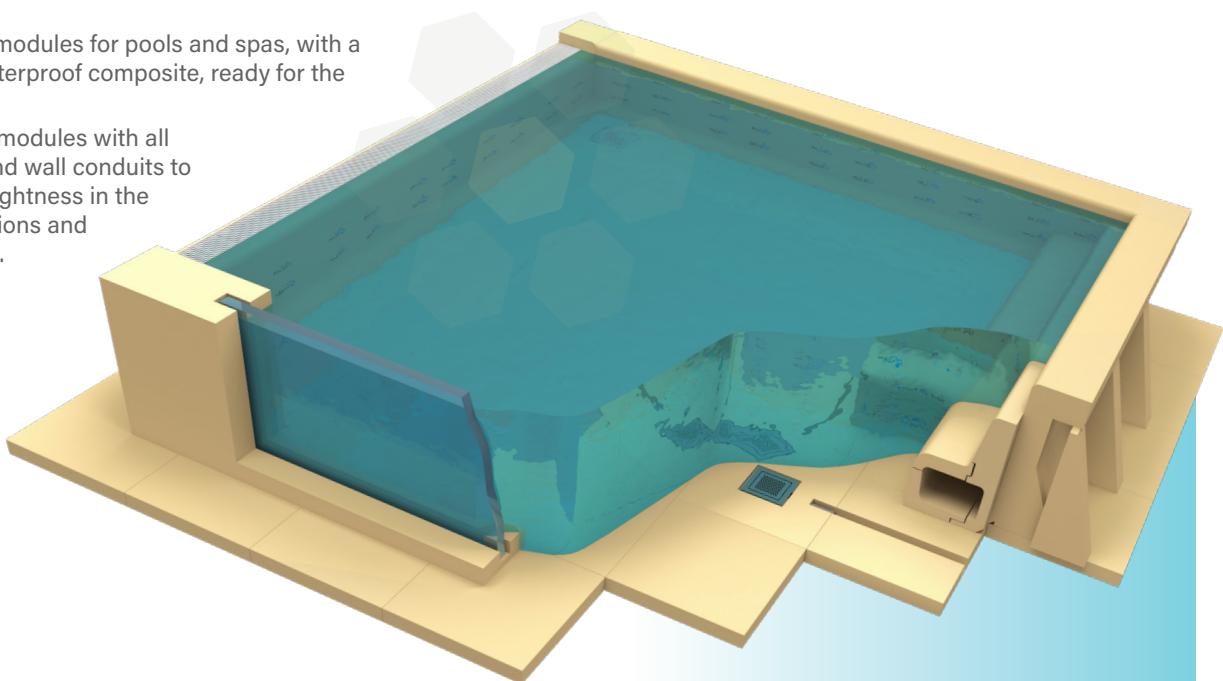
PISCINE  
**LAGHETTO**<sup>®</sup>

## MODULAR PREFABRICATED POOLS



Freestanding modules for pools and spas, with a reinforced, waterproof composite, ready for the final coating.

Prefabricated modules with all accessories and wall conduits to ensure watertightness in the event of vibrations and water hammer.



The thermal expansion coefficient of our prefabricated modules is far superior to that of concrete, as a result of which they do not crack over time because structural movement due to expansion and contraction are absorbed.

Ideal for refurbishments, roof tops, basements, etc. Their modular design makes them extremely easy to transport and work freely on the building site.

Exclusive designs without any restrictions, thanks to our computer-controlled systems that enable our clients to come up with their own designs without the need for casts, thus avoiding manual errors.

The prefabricated component parts make it possible to build and refurbish pools to the designers exact specifications, as well as enabling a pool to have exactly the same finish as a traditional one.



Installation on complex sites



Modular and freestanding



Energy savings



Resistant to water load  
Lightweight framework



Prefabricated system

## LINER AND PREFABRICATED POOLS

## MODULAR PREFABRICATED POOLS



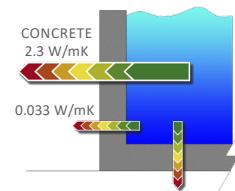
The top finish can be directly applied to the insulation material, which protects it from potential condensation between gaps that give rise to the proliferation of micro-organisms that are a health hazard for humans. Hardly any power loss ( $\lambda = 0.033 \text{ W/mK}$ ) in comparison with concrete ( $\lambda = 2.30 \text{ W/mK}$ ), which means it pays for itself in a very short space of time.



To ask for a quote,  
contact your area  
sales rep.

## COMPARATIVE POWER CONSUMPTION TABLE

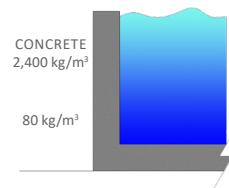
**86%**  
savings



Energy conductivity figures as shown in the Spanish Technical Building Code (CTE).

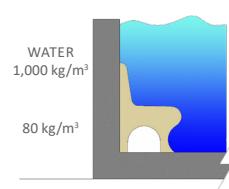
## LIGHTWEIGHT FRAMEWORK

**2320 kg**  
lighter per  $\text{m}^3$



## COMPARATIVE WATER VOLUME TABLE

**920 kg**  
lighter per  $\text{m}^3$



Volume of compact bench 0.27  $\text{m}^3$

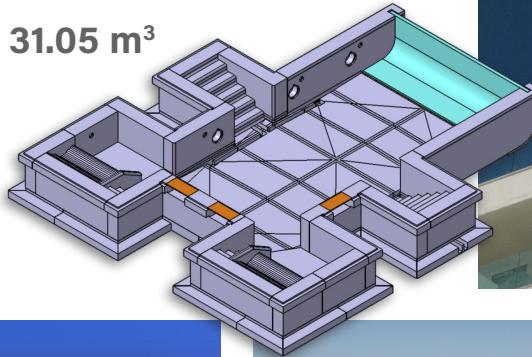
## LINER AND PREFABRICATED POOLS

## MODULAR PREFABRICATED POOLS - One-off projects

ASTRALPOOL 

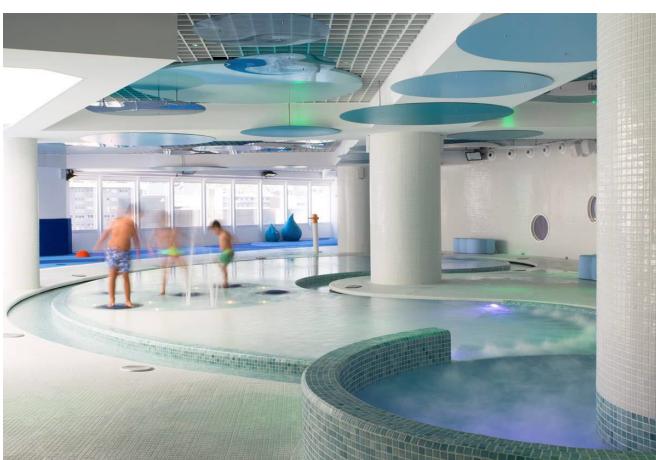
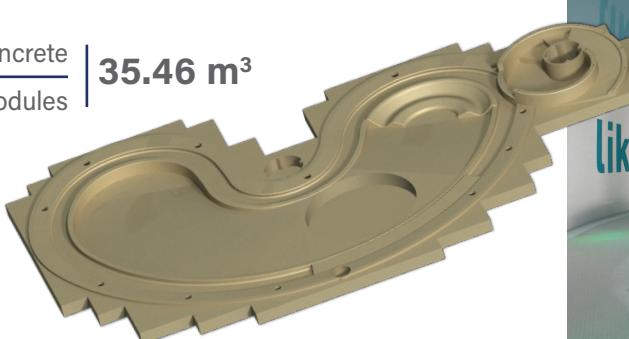
## IBEROSTAR BAHIA PALMA POOL

74,520 kg concrete	31.05 m <sup>3</sup>
2,484 kg prefabricated modules	



## CALDEA KIDS POOL

85,104 kg concrete	35.46 m <sup>3</sup>
2,837 kg prefabricated modules	



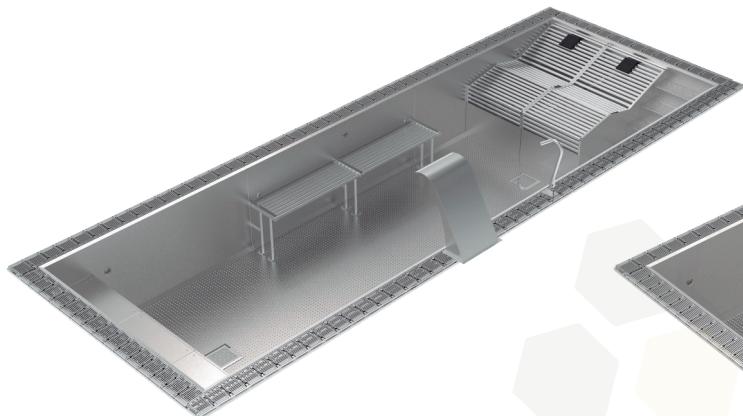
## LINER AND PREFABRICATED POOLS

## INOXPOOL

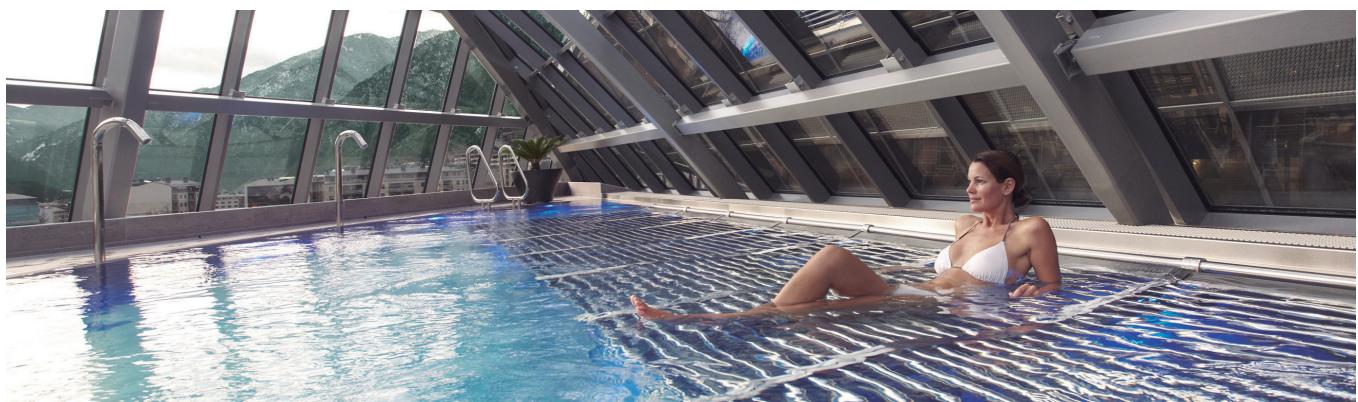


- + Constructed in one piece of AISI-316L satin stainless steel. Thickness of 2 mm. With overflow channel. Non-slip floor. Hydraulic pre-installation included. Ready to connect. Easy installation, without building work.
- + Total security and quality. In order to satisfy all your needs we have designed these models of stainless steel pools for those looking for an elegant and sober lifestyle. The quality of their materials and finishes set them apart. They are a gift for the senses!
- + 2 Differents models:

COMFORT



SPORT



## LINER AND PREFABRICATED POOLS

## INOXPOOL - Models

ASTRALPOOL 

## MODEL COMPARISON

	5 x 3 x 1.2 m	7 x 3 x 1.2 m		9 x 3 x 1.2 m		12 x 3 x 1.2 m	
MODELS	Sport	Comfort	Sport	Comfort	Sport	Comfort	Sport
Code	71503	71509	71510	71516	71517	71523	71524

## General specifications

Internal dimensions (m)	5 x 2.85 x 1.2	7 x 2.85 x 1.2	8.84 x 2.85 x 1.2	11.84 x 2.85 x 1.2
External dimensions (m)	5.7 x 3.6 x 1.3	7.7 x 3.6 x 1.3	9.6 x 3.6 x 1.3	12.6 x 3.6 x 1.3
Water capacity (m³)	18	24	31	41
Empty weight / Full weight (kg)	2300 / 20300	3300 / 27300	2550 / 26550	3700 / 34700

## Characteristics

Skimmers	-	-	-	-	-	-	-
Overflow suction	2	2	2	3	3	4	4
Return inlet	3	4	3	5	4	6	5
Bottom cleaner nozzle	1	1	1	1	1	2	2
Main drains	2	2	2	2	2	2	2
Projectors	2	2	2	2	2	3	3

## Accessories

Ladder (3 steps)	-	-	-	-	-	-	-
Steps	-	-	-	-	-	-	-
Hydromassage bench	-	-	-	-	-	-	-
Hydromassage cascade	-	-	-	-	-	-	-
Hydromassage water jet	-	-	-	-	-	-	-
Hydromassage beds	-	-	-	-	-	-	-
Countercurrent	-	-	-	-	-	-	-
Cover	-	-	-	-	-	-	-

## Recommended equipment

Hydraulic button and timer	-	45218 + 35761	-	45218 + 35761	-	45218 + 35761	-
Blower pump for hydro beds	-	31091	-	31091	-	31091	-
Blower pump for hydro bank	-	35388	-	35388	-	35388	-

## LINER AND PREFABRICATED POOLS

## INOXPOOL - Installation



## PREPARATION OF THE GROUND



The base the spa or pool must be prepared.



Manufactured in one piece, your transfer must be made by an authorized mode of transport.

## TRANSFER TO LOCATION



The transfer must be made in a reinforced trailer or truck so that it arrives at its destination in perfect condition.

## TRANSFER BY CRANE



Facilities must have easy access (outside) to be able to install the crane that will help to unload the Spa or Pool and put it in place.

## UNLOADING THE POOL



The installation must be checked and secured so that everything is in perfect order.

## LEVELING AND ADJUSTMENTS



Assembling the connections and putting it into operation is the last step before you can enjoy a relaxing and dreamed of space of well-being.

Ask for your new **Spa & Pool INOX SOLUTION** catalogue by AstralPool

SPA & POOL INOX SOLUTION

EXCLUSIVELY





## PANEL POOLS, THE VERY LATEST TECHNOLOGY THAT ENSURES PRECISION AND ACCURACY



The use of these totally prefabricated panels that are easy to fasten and assemble together means that an in-ground or above-ground pool can be built in record time.

The steel panels undergo hot-dip galvanization in a bath of zinc, which gives them excellent protection against rusting so that they last longer and their safety is guaranteed throughout their service life.



## SKYPOOL - Experts in end-to-end solutions

Thanks to SkyPool, AstralPool is the undisputed world leader in prefabricated pools made of galvanized steel panels. Our flexibility and drive, in addition to the way we adapt to the needs and regulations of each market have led us to build pools in more than 60 countries, which has made us one of the companies with the greatest international outreach in the sector.

### Award-winning competition pools.

As leaders in this sector, we have longstanding experience in the development of solutions for the world of competition. We make pools of any size including the required by FINA standards and regulations.

### End-to-end solutions.

AstralPool has a multidisciplinary team able to give you support in the development of your project from beginning to end, as well as the degree of experience and know-how expected of a world leader:

- Project analysis.
- Preliminary design study and quote.
- Advice and water treatment.
- Manufacture.
- Worksite management.
- Installation of complete solutions.



## SKYPOOL COMMERCIAL POOLS

## SKYPOOL - The best choice for many reasons



## Quick

The use of completed prefabricated components together with the easy assembly system considerably reduces the time required to build a pool.



## Versatile

This system can be used for any design, whatever a pool's shape.



## Long-lasting

New design and manufacturing systems are used to obtain maximum quality, functionality and durability of all pool components. The metal structure has a 20-year warranty.



## Lightweight

Choose a place and we'll build a pool there! The advantage of the lightweight structure that is easily adaptable is that pools can be built even in awkward conditions. Small spaces, rooftops, stadiums, etc.



## Inexpensive

As no complex infrastructure has to be built, a high performance pool can be obtained at a lower cost.



## Reliable

The use of the very best components, together with a totally safe construction system, delivers the reliability required in this type of facility.



## Sustainable

All components can be recycled, are non-contaminating and are manufactured using processes with a low environmental impact.



## SKYPOOL - Advantages



## 1. Technology.

Thanks to the technology used in the construction of SkyPool panels, they are fully compliant with FINA regulations. There is an extremely easy and efficient system for adjusting the level and angles of a pool. The access through the system's manholes enables all adjustment to be made.

## 2. Watertight. No leaks.

There are no cracks. The perfect fit of the assembled SkyPool panels covered by the liner ensure the pool shell is completely watertight. Furthermore, the system has been designed to withstand land movements and subsidence, in addition to the pressure exerted when a pool is emptied or filled.

## 3. High resistance finishes.

The PVC-P reinforced liner used by SkyPool is watertight, which gives these pools a high level of safety, protection, robustness and durability. Furthermore, it is resistant to chlorinated water and aging caused by external agents. The liner ensures elasticity and is available with a wide range of optional features (colours, etc.).

## 4. Quicker installation time.

It can take as much as two months off the time to manufacture and install an Olympic SkyPool (50 x 25 x 2 m) in comparison with a concrete pool. This considerably reduces indirect and opportunity costs.

## 5. Low maintenance.

As there is access to the pool perimeter, any problems are more quickly located, so repair and maintenance work is easier and costs less.

## 6. Earthquakes resistant.

Build earthquake-resistant pools. The team of Skypool engineers calculates and adapts the system according to the seismic regulations of each country. Under request.

## SKYPOOL COMMERCIAL POOLS

SKYPOOL - The best performance

ASTRALPOOL **Technology**

Thanks to the technology used in the construction of SkyPool panel pools, their precision and accuracy comply with FINA regulations.

We have leveling and dimensional tolerance adjustment systems, in addition to materials resistant to subsidence and expansion.

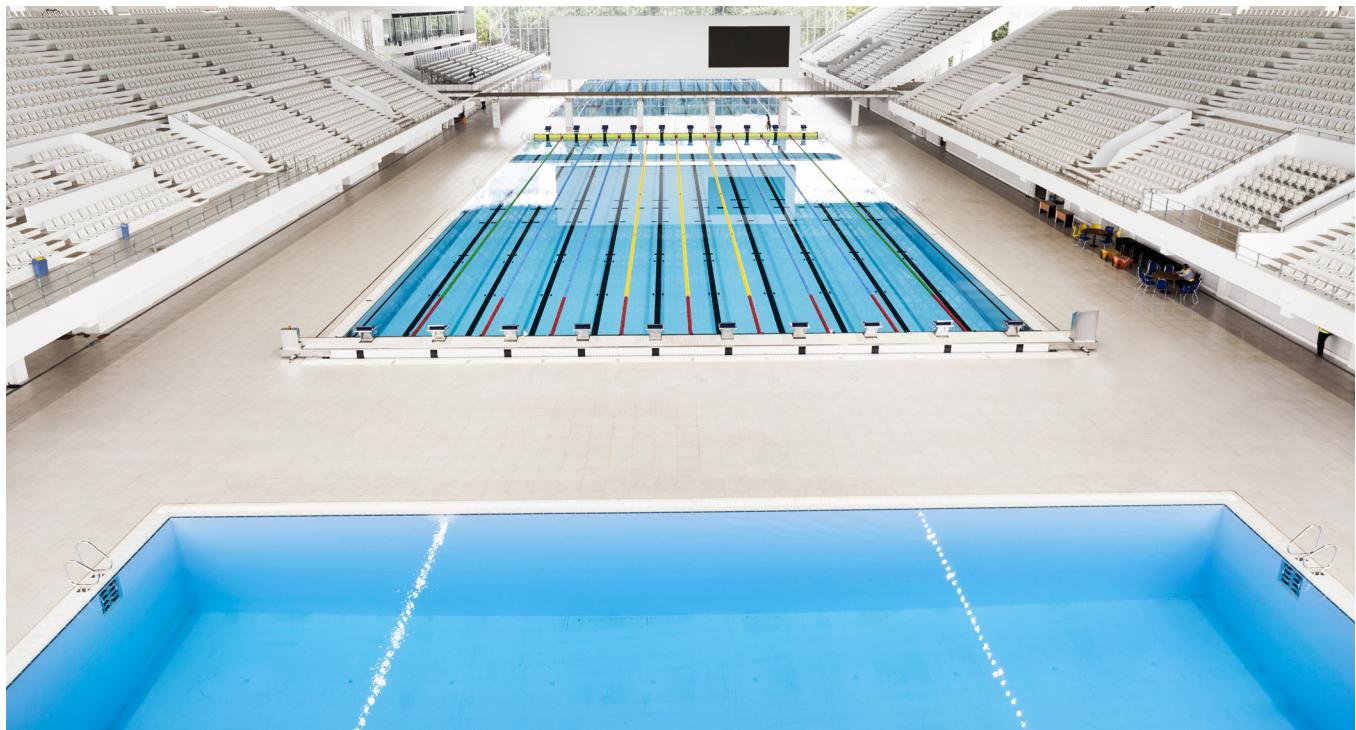
A SkyPool is the result of experience and the use of cutting-edge technologies for the design, manufacture and installation of our pools.

**Readily accessible pools that are easy to run**

A typical pool installation can be checked from a technical gallery that provides access to the back of the panels for inspection, maintenance and repair work. This means that pools do not have to be emptied for such work, so they are easy and profitable to be run as a business concern.

**Engineering calculations**

The structural calculations for SkyPool panels are made to ensure the resistance of our installations and compliance with European and local standards. We make specific seismic calculations in order to comply with the most rigorous standards and to ensure resistance to potential earthquakes.



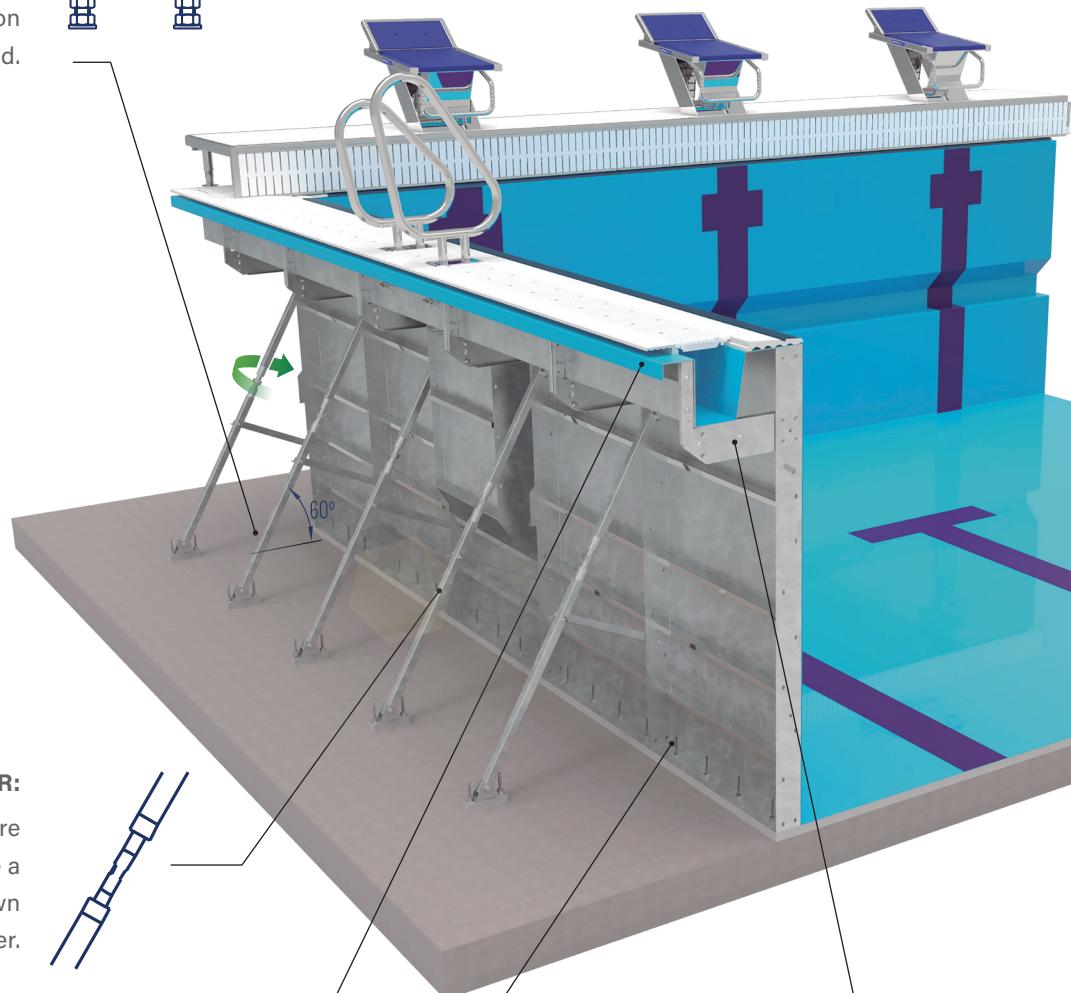
## SKYPOOL COMMERCIAL POOLS

SKYPOOL - The best performance

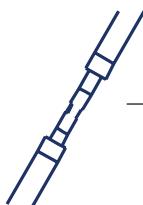
ASTRALPOOL

**STANDS:**

System of stands that provide better stability on the ground.

**TENSIONER:**

The tensioners are adjustable and enable a pool to be assembled down to the last millimeter.

**OVERFLOW CHANNEL:**

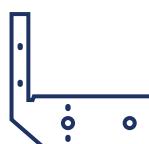
Totally modular. Can be made to be used with different grill and tile sizes.

**LEVELING:**

With a chemical anchoring fixture (30 mm)

**REINFORCED BRACKETS:**

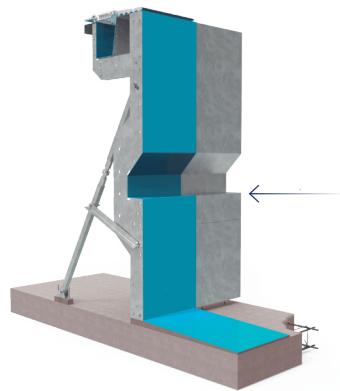
The brackets deliver greater resistance and stability in the overflow channel and panel area.



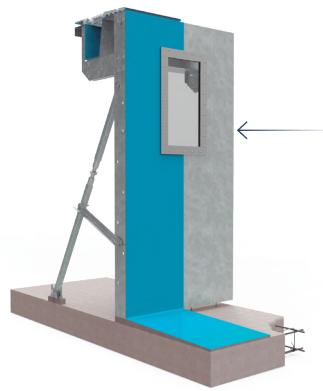
## SKYPOOL - Specific panel types

**STEP PANELS**

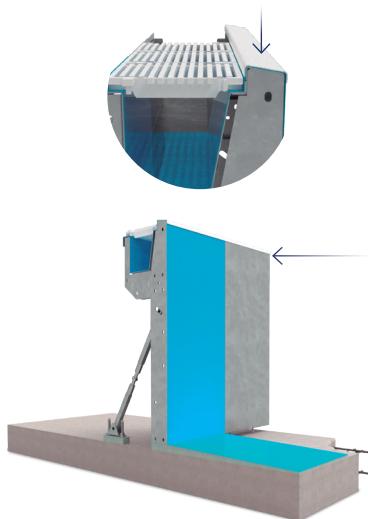
Panels with built-in ladders that comply with FINA standards. Supplied with split ladder, fastenings and asymmetric handrails to make it easy for swimmers to get in and out of a pool.

**SWIMMER FOOTHOLD PANEL**

Built-in foothold at a depth of 1.2 m for swimmers to rest.

**GLASS SIGHT PANEL**

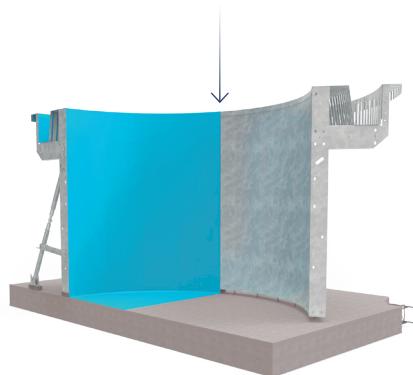
Glass windows so that trainers and physiotherapists at high performance and rehabilitation centers are able to observe swimmers underwater.

**WITHOUT CERAMICS PANEL**

Specially designed panel which does not need the front edge ceramic tile.

**INCLINED PANEL**

Inclined panels can be supplied to the specifications of an architectural project.

**CURVED PANEL**

Round and semicircular panels. Ideal for wellness centers and leisure areas.

## SKYPOOL COMMERCIAL POOLS

## SKYPOOL - Panel models



## BARCELONA PANEL

Freestanding galvanized steel panel suitable for pools of up to 2.2 m. Fastenings are only required at the bottom.

The Barcelona panel was designed for the first time for the 2003 World Swimming Championships in Barcelona. The pool was installed inside the Sant Jordi palace, on the basketball court without damaging the ground.

Its self-supporting system allows it to be anchored to a concrete slab without the need to fasten a pool's outer decking to the slab. This design makes possible the differential absorption of the subsidence of the slab at the base of a pool. The panels can be supplied in hot-dip galvanized steel and stainless steel.



## MELBOURNE PANEL

Freestanding galvanized steel panel suitable for pools of up to 3.5 m with structure to install the surround of the pool.

The prefabricated Melbourne panels were designed for the 2007 Swimming World Championship in Melbourne. The main characteristic of these panels is their heights that vary between 2.5 to 3.5m. The self-supporting framework is anchored to the base slab and has a structure for building the outer decking. Ideal for building Olympic and synchronized swimming pools.

Temporary events. This type of panel is suitable for use in temporary events. The design of these pools makes it perfectly feasible to add bleachers in a stadium and they have an outer decking.

## CAR PANEL

Freestanding galvanized steel panel suitable for pools of up to 5 m. Fastenings are required at the top and on the bottom.

The range of prefabricated panels CAR (High Performance Center) for the training of elite athletes, are specifically designed for large pool heights with the aim of meeting all standards for Olympic, semi-Olympic, Paralympic, world swimming championships and water sports, such as water polo, jumping and synchronized swimming.

They are designed with a strong metal lattice framework anchored both to the concrete slab and to the formwork of a pool's decking.



## RENOVATION PANEL

Renovation panels are the ideal solution for any old pools that have to be renovated to adapt to current standards and to give them a new lease of life.

Quick and easy to fit without the need to demolish the whole of a pool. Using galvanized steel renovation panels, only the pool's coping has to be demolished and a new overflow channel installed. Ceramic and non-ceramic finishes are available, and they have built-in drainage outlets. The most inexpensive solution to give your pool a new lease of life.

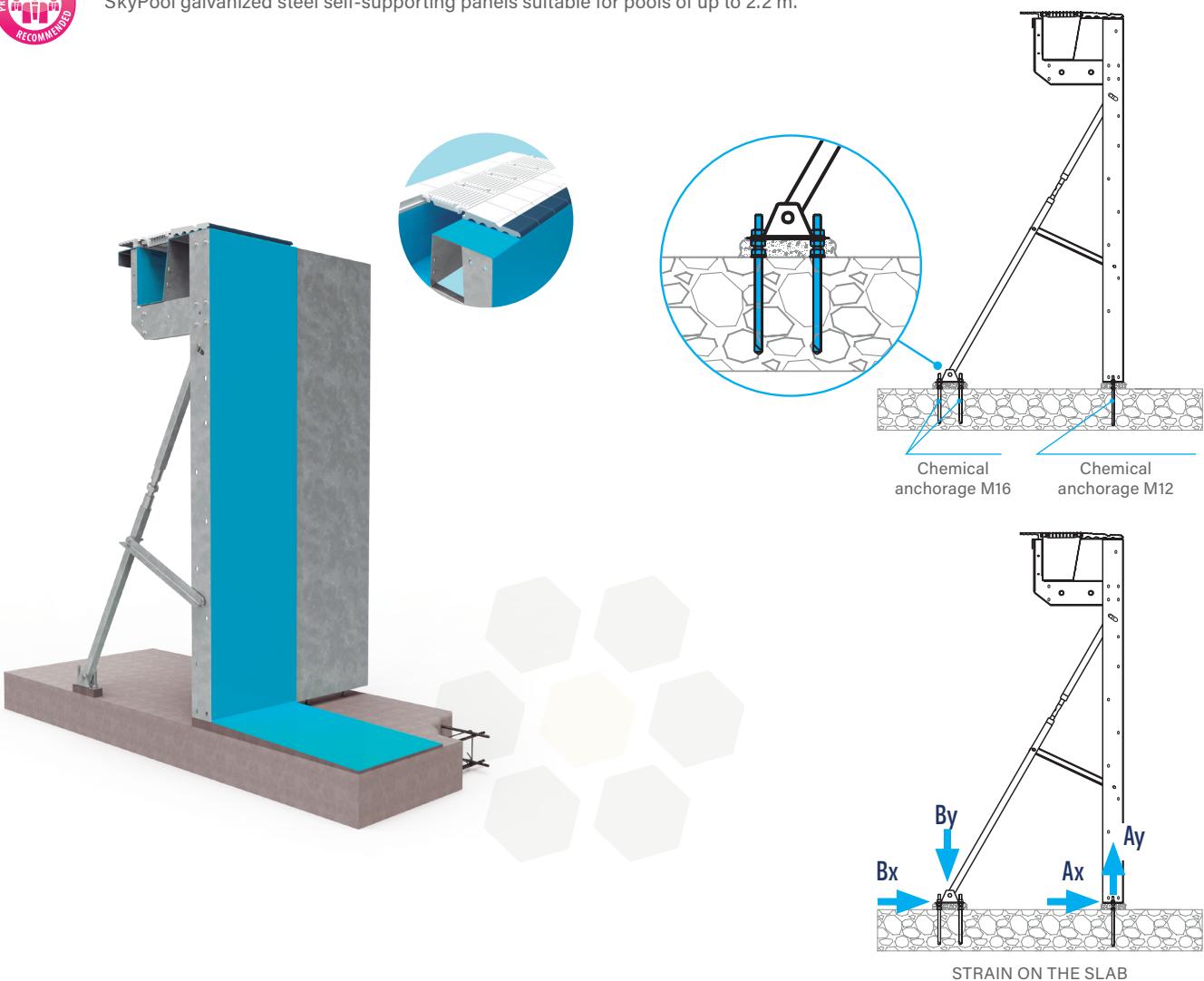
## SKYPOOL COMMERCIAL POOLS

## BARCELONA - Panel model

ASTRALPOOL



SkyPool galvanized steel self-supporting panels suitable for pools of up to 2.2 m.



## GENERAL SPECIFICATIONS

Panel	Height (m)	0.8	1.0	1.2	1.4	1.5	1.6	1.8	2.0	2.2					
	Width (m)	1.0 m standard size (special sizes available on request)													
Panel weight	(Kg)	56	62	70	76	80	87	96	104	113					
Tensioner		M16				M20				M24					
Panel anchors	Chemical type	M12													
Reinforcement anchors	Chemical type	M12													
Panel fastening screws	(8.8)	M10													

## \*LOADS

On panel	A	Ax (kN)	-1.79	-2.56	-3.01	-4.59	-5.52	-6.44	-8.47	-10.73	-12.99
		Ay (kN)	-4.54	-5.72	-8.58	-10.18	-11.14	-12.1	-14.23	-16.6	-18.97
On tensioner	B	Bx (kN)	-3.54	-4.67	-5.02	-5.98	-6.55	-7.11	-8.42	-9.88	-11.34
		By (kN)	4.07	5.25	8.7	10.34	11.32	12.29	14.46	16.86	19.26

## FINISHES AND MATERIALS

Panel materials	S235JR steel according to standard UNE EN 10025									
Panel finish	Hot-dip galvanized steel according to standard UNE-EN-ISO 1461: 2009									
Waterproofing	Reinforced ALKORPLAN-2000 liner									
Ceramic finish	ERGO 216 non-slip + 035 non-slip									

\* Considered water level hydrostatic load and variable loads according to standard UNE-EN-ISO 13451-1 on pool equipment

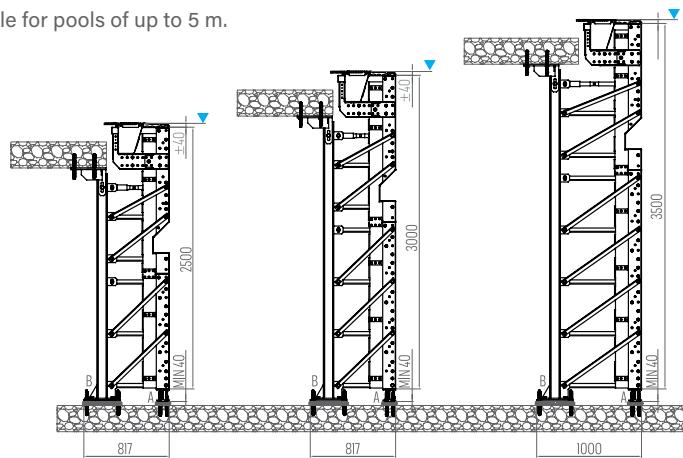
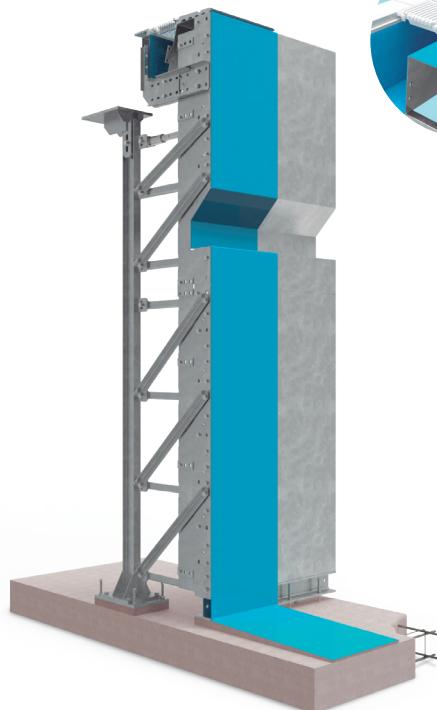
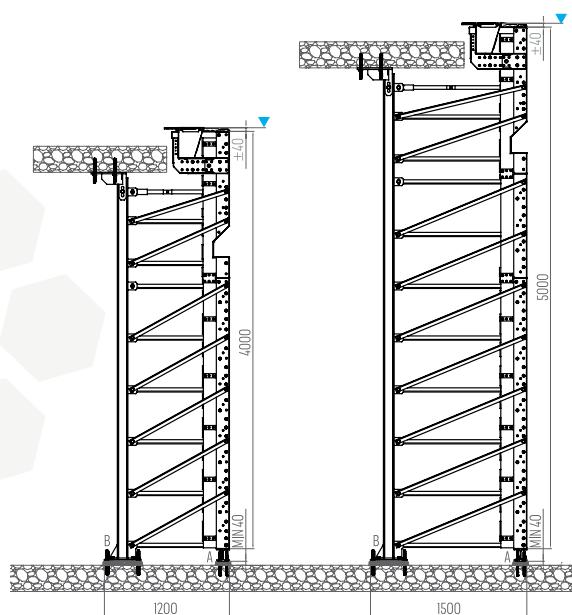
## SKYPOOL COMMERCIAL POOLS

## CAR - Panel model

ASTRALPOOL



Self-supporting galvanized SkyPool steel panel suitable for pools of up to 5 m.  
Fastenings are required at the top and on the bottom.

BUILDING  
SOLUTIONS

## GENERAL SPECIFICATIONS

Panel	Height (m)	2.5	3.0	3.5	4.0	5.0	
	Width (m)	1.0 m standard size (special sizes available on request)					
Panel weight	(Kg)	245	290	340	395	500	
Panel anchors	Chemical type		M12		M16		
Reinforcement anchors	Chemical type		M16		M20		
Panel fastening screws	(8.8)			M12			

## \*LOADS

On panel	A	Ax (kN)	Ask for details
		Ay (kN)	
On tensioner	B	Bx (kN)	
		By (kN)	

## FINISHES AND MATERIALS

Panel materials	S235JR steel according to standard UNE EN 10025
Panel finish	Hot-dip galvanized steel according to standard UNE-EN-ISO 1461: 2009
Waterproofing	Reinforced ALKORPLAN-2000 liner
Ceramic finish	ERGO 216 non-slip + 035 non-slip

\* Considered water level hydrostatic load and variable loads according to standard UNE-EN-ISO 13451-1 on pool equipment

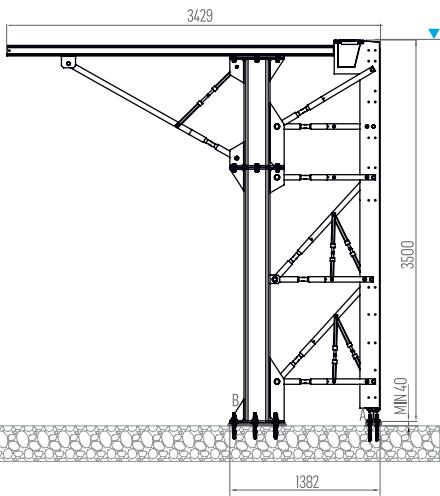
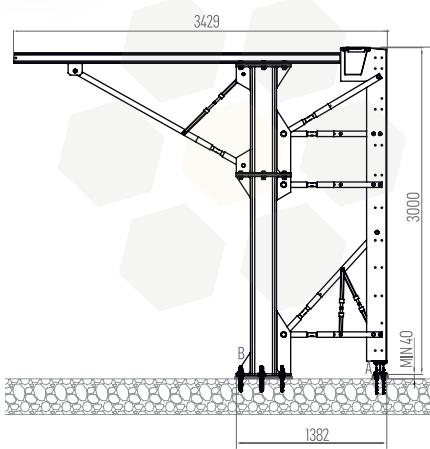
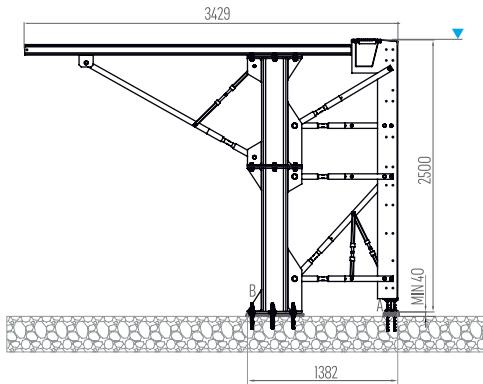
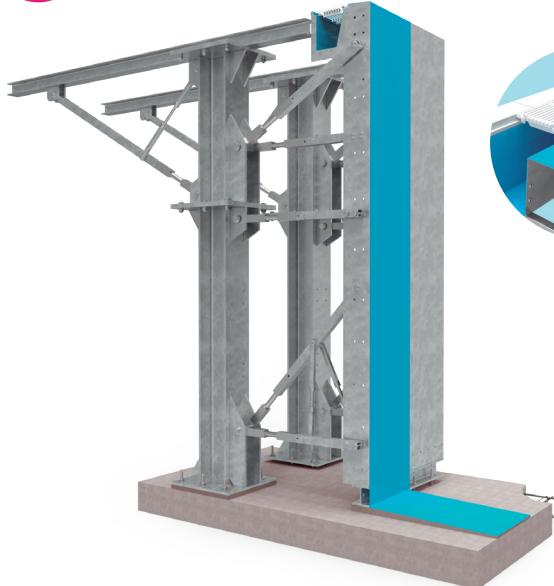
## SKYPOOL COMMERCIAL POOLS

## MELBOURNE - Panel model

ASTRALPOOL



Galvanized SkyPool steel panel suitable for pools of up to 3.5 m with structure to install the pool decking.



## GENERAL SPECIFICATIONS

Panel	Height (m)	2.5	3.0	3.5	
	Width (m)	1.0 m standard size (special sizes available on request)			
Panel weight	(Kg)	1255	1370	1545	
Panel anchors	Chemical type	M12		M16	
Reinforcement anchors	Chemical type	M16		M20	
Panel fastening screws	(8.8)		M12		

## \*LOADS

On panel	A	Ax (kN)	Ask for details
		Ay (kN)	
On tensioner	B	Bx (kN)	Ask for details
		By (kN)	

## FINISHES AND MATERIALS

Panel materials	S235JR steel according to standard UNE EN 10025
Panel finish	Hot-dip galvanized steel according to standard UNE-EN-ISO 1461: 2009
Waterproofing	Reinforced ALKORPLAN-2000 liner
Ceramic finish	ERGO 216 non-slip + 035 non-slip

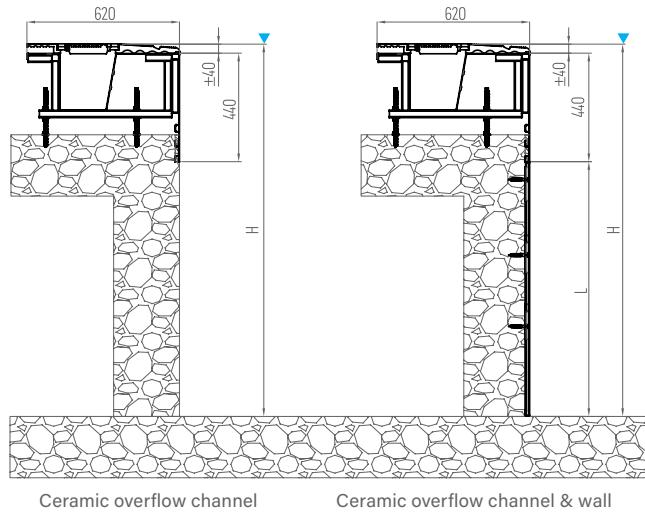
\* Considered water level hydrostatic load and variable loads according to standard UNE-EN-ISO 13451-1 on pool equipment

## SKYPOOL COMMERCIAL POOLS

## RENOVATION - Panel model

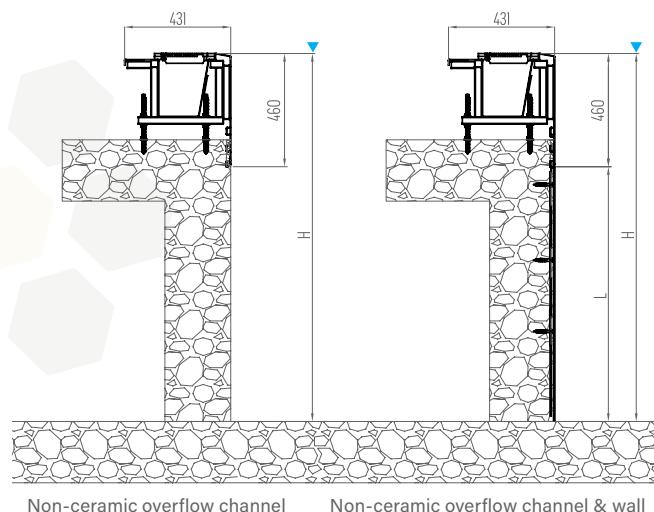


Galvanized steel SkyPool panel suitable for renovating any existing pool.



Ceramic overflow channel

Ceramic overflow channel &amp; wall



Non-ceramic overflow channel

Non-ceramic overflow channel &amp; wall

## GENERAL SPECIFICATIONS

	Type	CERAMIC		NON-CERAMIC	
		Overflow channel	Overflow channel & wall	Overflow channel	Overflow channel & wall
Panel	Depth H (m)	0.44	1.2	0.44	1.2
Panel	Depth L (m)	-	-	-	-
Panel	Width (m)	1.0 m standard size (special sizes available on request)			
Panel weight	(Kg)	36	55	32	51
Panel anchors	Chemical type	M12			
Panel fastening screws	(8.8)	M6			

## FINISHES AND MATERIALS

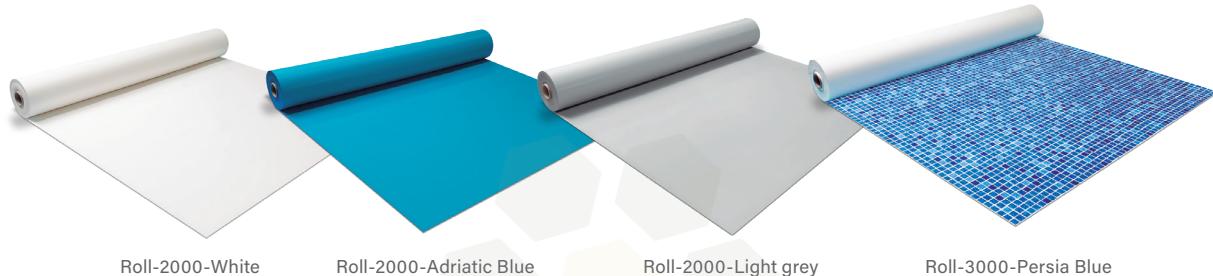
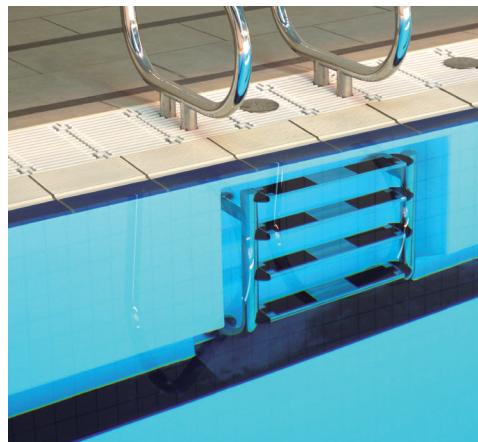
Panel materials	S235JR steel according to standard UNE EN 10025	
Panel finish	Hot-dip galvanized steel according to standard UNE-EN-ISO 1461: 2009	
Waterproofing	Reinforced ALKORPLAN-2000 liner	
Ceramic finish	ERGO 216 non-slip + 035 non-slip	Does not apply

## SKYPOOL COMMERCIAL POOLS

## WATERPROOFING OF THE POOL using a reinforced PVC-P liner

ASTRALPOOL 

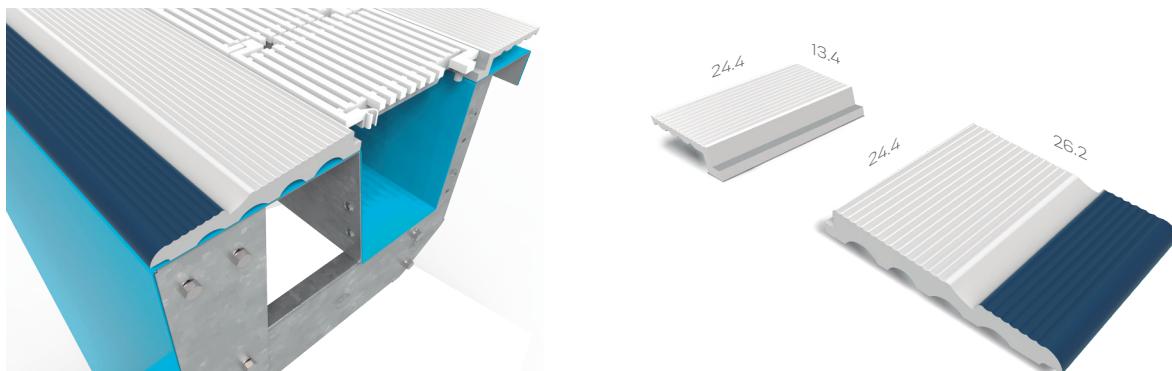
The liner made of 150/100 reinforced PVC-P (plasticized polyvinyl chloride) is the most commonly used system for covering liner pools as it is extremely flexible, resistant to tearing, easy to weld, resistant to bleaching from UV rays and because it comes in a wide range of colors.



## COPING FINISHES

ASTRALPOOL 

Porcelain stoneware enhances a pool's design and embellishes its finishing.



## SkyPool warranty

All our pools are certified and under warranty for 25 years. Their materials comply with EU standards.

Our quality management system is certified (S/UNE-EN ISO 9001: 2015).

## BLUESPRING

PISCINE  
LAGHETTO

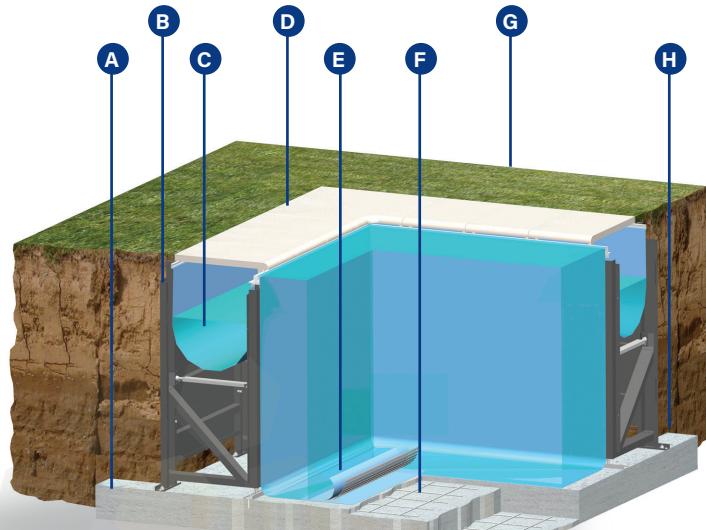
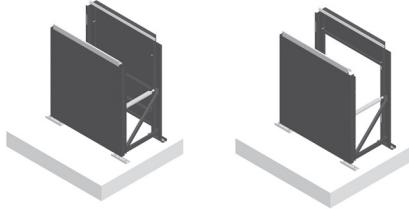
When the sides of the overflow blend with the sky and with the surrounding atmosphere, the fulfillment of the perfect pool is realized, the time when the pool disappears and binds to the infinite lines.

Bluespring is designed to give space to the architectural interventions to harness the magic of the different types of overflow available. The structure has been designed to maintain the integrity of the performances over the years, getting its point of excellence in the reliability using. The best technology at the service of demanding customers who believe in the beauty of their own water space.

- A Reinforced concrete slab
- B Steel structure
- C Compensation channel
- D Perimetric flooring
- E Reinforced membrane
- F Concrete reinforcement
- G Terrapieno
- H Fasteners



POOL WARRANTY: 5 YEARS  
ACCESSORIES WARRANTY: 2 YEARS



ZMSV-TEC

The Bluespring structure technology is made of galvanized and passivated steel with low-carbon Z275 coverage, treated with the exclusive protective Laghetto ZMSV-TEC coating.

All the ground supports, the threaded rods anchors, the moving parts and the nuts and bolts are made of stainless steel.

The Bluespring ZMSV-TEC structure provides a full height ground retaining panel if used as a classical inground pool, or is equipped with a shortened panel in case it is mounted in above ground situations.

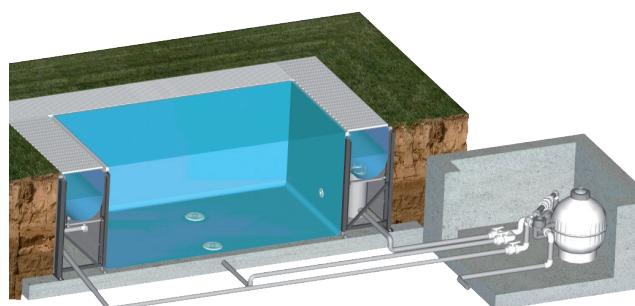
Bluespring offers two standard heights for the pool panel: **130 and 152 centimeters.**

Higher or variable water depth can be obtained directly by varying the design of the bottom slab.

## BLUESPRING - Compensation system

PISCINE  
LAGHETTO

With Bluespring balance tank is not necessary, thanks to the use of big and capacious overflow duct, which allows to avoid the construction of the external compensation tank, with consequent and evident space and cost savings.



## BLUESPRING

**High-tech, endless beauty**

When the sides of the overflow blend with the sky and with the surrounding atmosphere, the fulfillment of the perfect pool is realized, the time when the pool disappears and binds to the infinite lines.

Elegant and exclusive, Bluespring is the infinity pool suitable for every need: do sport comfortably at home, relax after work or enjoy time with the family, in the privacy of your own home.

The perimeter overflow is the best filtration system for floating impurities: the water overflows from the edge into the channel under the perimeter paving and enters the filtration system.

With the overflow channel, therefore, you will no longer need the external, underground, bulky and expensive compensation tank. Reduced construction times and low impact building works guarantee an immediately usable space; the self-supporting structure remains intact over the years and allows easy and quick maintenance and control.

The best technology at the service of demanding customers who believe in the beauty of their own water space.



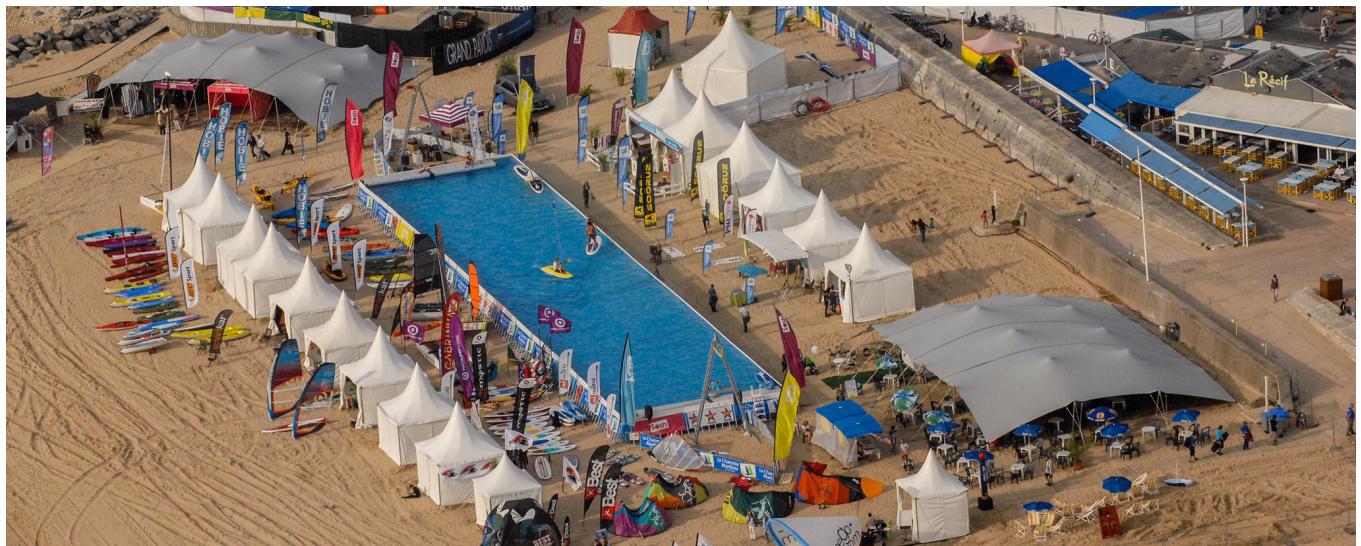
## CLASSIC CUSTOM AND PROFESSIONAL

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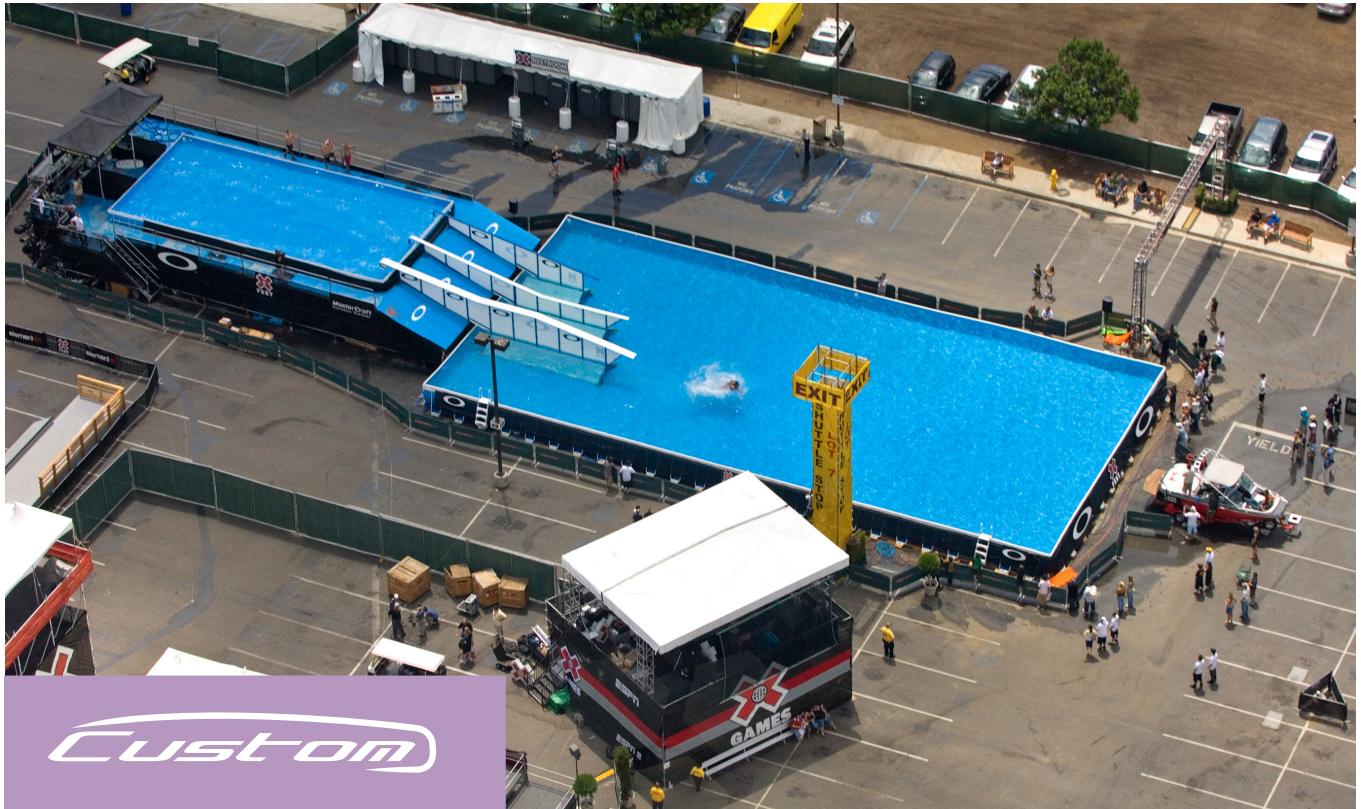
PISCINE  
**LAGHETTO**BUILDING  
SOLUTIONS

- **MODEL:** Custom Professional
- **FAMILY:** Pool Design
- **INSTALLATION:** Above-ground for events
- **PRODUCT TYPE:** Pool with hydrostatic structure
- **STRUCTURE:** Hot dip galvanized steel with powder coated parts.
- **POOL LINER:** Made of polyester with highly waterproof PVC coating
- **LINER COLOR:** Laghetto Blue
- **INSTALLATION:** UNI standards, for temporary use also
- **EQUIPMENT:** Tank (structure and liner), foot blocks. Filtration, skimmers and piping depending on customer project
- **OPTIONS:** Wintercovering, summercovering
- **SIZES:** Available heights: 60/100/120 cm (water heights)
- **WARRANTY:** 5 Years (structure and liner) - 2 Years (other parts and accessories)

<https://www.piscinelaghetto.com/en/product/home-design-en/custom-professional>



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BUILDING  
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