



AQUASOLUS



Designed in England.
Tailored to you.

Mini Pool Series • Installation Guide



Mini Pool Series Installation Guide.

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River Jet Variation.



Specifications	Crest	Lagoon	Tidal	Wave
Seating Positions	n/a	n/a	n/a	n/a
Dimensions	6,000 x 2,250 x 1,520 mm	6,000 x 2,250 x 1,520 mm	6,000 x 2,250 x 1,520 mm	6,000 x 2,250 x 1,520 mm
Seat Layout	n/a	2 x Loungers	n/a	n/a
Dry/Wet Weight	1,570 kg / 12,220 kg	1,595 kg / 9,995 kg	1,580 kg / 11,580 kg	1,560 kg / 12,560 kg
Water Capacity	10,650 Litres	8,400 Litres	10,000 Litres	11,000 Litres
Total Jets	3	3	3	3
*Electrical Supply (Single Phase)	32 Amp	32 Amp	32 Amp	32 Amp
*Electrical Supply (3-Phase)	16 Amp	16 Amp	16 Amp	16 Amp
Heater	3 kw	3 kw	3 kw	3 kw
Swim Pumps	3 x 3 HP	3 x 3 HP	3 x 3 HP	3 x 3 HP
Circulation Pump	1 x 0.35 HP	1 x 0.35 HP	1 x 0.35 HP	1 x 0.35 HP
Filters Required	2 x SS01	2 x SS01	2 x SS01	2 x SS01

Turbine Variation.



Specifications	Crest Professional	Lagoon Professional	Tidal Professional	Wave Professional
Seating Positions	n/a	n/a	n/a	n/a
Dimensions	6,000 x 2,250 x 1,520 mm	6,000 x 2,250 x 1,520 mm	6,000 x 2,250 x 1,520 mm	6,000 x 2,250 x 1,520 mm
Seat Layout	n/a	2 x Loungers	n/a	n/a
Dry/Wet Weight	1,592 kg / 12,542 kg	1,615 kg / 10,315 kg	1,600 kg / 11,900 kg	1,585 kg / 12,885 kg
Water Capacity	10,950 Litres	8,700 Litres	10,300 Litres	11,300 Litres
Total Jets	0	0	0	0
*Electrical Supply (Single Phase)	20 Amp (Swim) 32 Amp (Turbine)	20 Amp (Swim) 32 Amp (Turbine)	20 Amp (Swim) 32 Amp (Turbine)	20 Amp (Swim) 32 Amp (Turbine)
*Electrical Supply (3-Phase)	16 Amp (Swim) 16 Amp (Turbine)	16 Amp (Swim) 16 Amp (Turbine)	16 Amp (Swim) 16 Amp (Turbine)	16 Amp (Swim) 16 Amp (Turbine)
Heater	3 kw	3 kw	3 kw	3 kw
Swim Pumps	16 Speed 5kW (Turbine)	16 Speed 5kW (Turbine)	16 Speed 5kW (Turbine)	16 Speed 5kW (Turbine)
Circulation Pump	1 x 0.35 HP	1 x 0.35 HP	1 x 0.35 HP	1 x 0.35 HP
Filters Required	2 x SS01	2 x SS01	2 x SS01	2 x SS01
Turbine speeds	(Lv1) 2:00 / 100m (Lv9) 0:49 / 100m (Lv16) 0:32 / 100m	(Lv1) 2:00 / 100m (Lv9) 0:49 / 100m (Lv16) 0:32 / 100m	(Lv1) 2:00 / 100m (Lv9) 0:49 / 100m (Lv16) 0:32 / 100m	(Lv1) 2:00 / 100m (Lv9) 0:49 / 100m (Lv16) 0:32 / 100m

Installation Made Easy

Seamless inset design.

Experience the perfect blend of relaxation and fitness with the Mini Pool Series from AquaSolus. Designed for a premium swim experience, featuring traditional river jets that provide a invigorating swim.



1. Dig the Tunnel



2. Compact & prepare the base*



3. Sink the pool

Base Requirements

Important Note.

To ensure long-term structural stability and reduce the risk of damage to the acrylic shell, the base and groundworks must be suitable for the full filled weight of the mini pool, including water, users and surrounding finishes. A reinforced concrete slab is strongly recommended for all installations and may be required depending on the installation type, soil conditions and local code requirements.

- The base must be level, stable and load-bearing.
- The base design must be checked and approved by a qualified civil engineer, structural engineer or licensed contractor.
- Groundworks must be completed in line with local building regulations (such as Part A of the UK Building Regulations) and European Standards (EN 16582 / EN 16713 for domestic swimming pools).
- Complex formwork is not typically required, but this must be confirmed by the appointed professional.
- Installation times may vary depending on site conditions, groundworks, access, drainage and local approval requirements.

This document is intended as general guidance only. Final base construction, slab thickness, reinforcement, drainage and load-bearing requirements must be confirmed by qualified professionals.

Key Consideration.



Safety above all

Ensure your pool is not installed beneath overhead power lines and consider environmental factors such as heavy rain or snowfall (which can lead to flooding, waterlogging, roof avalanches, or excessive snow load). Frequent or strong winds can be uncomfortable for bathers and significantly increase heat loss.



Privacy matters

Create a pleasant and inviting atmosphere that provides a sense of privacy and shields the area from unwanted attention.



Proximity to home entrance/terrace door

During rain, snow, or winter months, a short walking distance to the pool is highly beneficial. It minimises discomfort from cold, wet towels and bathrobes and makes using the pool more convenient year-round.



Consider the view

Think about what you'd like to see while relaxing or swimming in your pool. Orientation should be based on your preferred outlook, access to the technical unit, and sufficient space for any cover assistance systems (such as cover lifters).



Minimise contamination

Be aware that autumn leaves, soot, and dust can increase cleaning requirements. Placing foot mats or a small rinsing basin near the pool helps reduce dirt and sand, keeping the water cleaner with less effort.



Delivery and installation access

Pools are typically delivered via crane. Ensure access to the installation site is clear in advance. If you plan to include optional features such as a cover lifter or a custom sliding cover, these must also be considered during the planning phase.



Pool cover management

Plan for how the standard pool cover and any optional cover systems will be operated and stored. Custom sliding covers must be integrated into the design and installation plans from the outset.

Pre-Installation Checklist.



Electrical supply tested



Base level and reinforced



Sub-pump installed and tested



Drainage plan confirmed



Water fill point available

Technical Requirements.

Electrical

All electrical work must be carried out by a qualified and licensed electrician. In the UK, the installation must comply with BS 7671 (IET Wiring Regulations, currently 18th Edition), specifically Section 702 (Zones surrounding swimming pools and basins). In the EU, the installation must comply with HD 60364-7-702 (national equivalents of CENELEC harmonized standards).

Before installing a mini pool, the electrical supply must be prepared and checked by a qualified electrician.

Standard Models

Standard models and standard mini pool models require:

UK/Single phase

- 230V dedicated electrical supply
- 32 Amp RCD-protected breaker
- Dedicated circuit from the main electrical panel
- Correctly sized copper conductors, as determined by the qualified electrician based on local code, cable length, installation method and site conditions
- Connection made directly to the mini pool control unit
- Local disconnect installed in accordance with NEC and local code requirements

EU/3 phase

- 400V dedicated electrical supply
- 16 Amp 3p RCD-protected breaker
- Dedicated circuit from the main electrical panel
- Correctly sized copper conductors, as determined by the qualified electrician based on local code, cable length, installation method and site conditions
- Connection made directly to the mini pool control unit
- Local disconnect installed in accordance with NEC and local code requirements

Pro Models

Pro models and pro mini pool models require two separate dedicated supplies:

Control Box (Balboa) UK/Single phase

- 230V dedicated electrical supply
- 20 Amp RCD-protected breaker
- Dedicated circuit from the main electrical panel

Turbine UK/Single phase

- 230V dedicated electrical supply
- 32 Amp RCD-protected breaker
- Dedicated circuit from the main electrical panel
- Pro Models and pro mini pool models require two separate dedicated supplies:

Control Box (Balboa) EU/ Three phase

- 400V dedicated electrical supply
- 16 Amp RCD-protected breaker
- Dedicated circuit from the main electrical panel

Turbine EU/ Three phase

- 400V dedicated electrical supply
- 16 Amp RCD-protected breaker
- Dedicated circuit from the main electrical panel

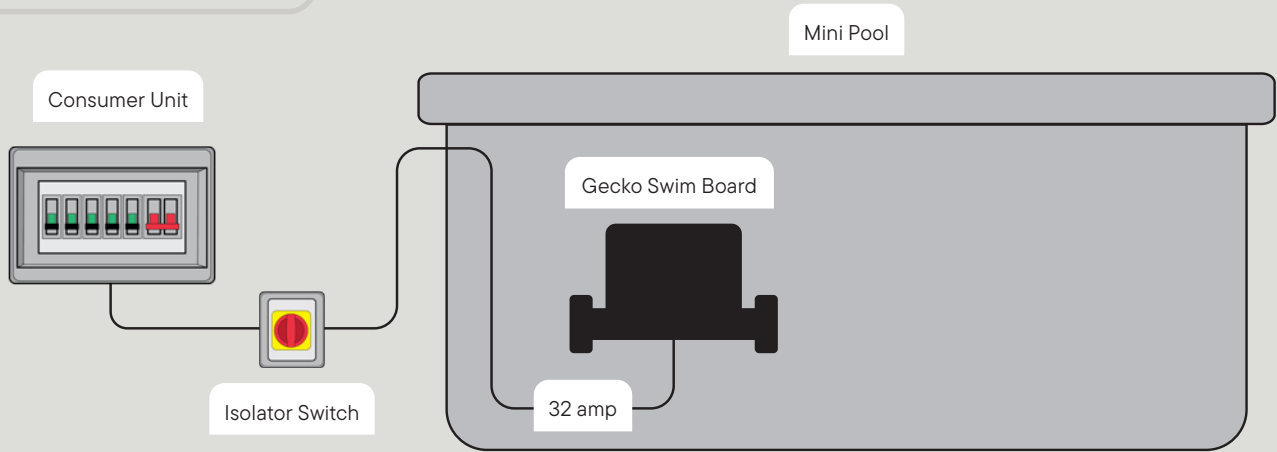
Both supplies must be installed, tested and approved by a qualified electrician before the mini pool is connected.

Important Installation Notes.

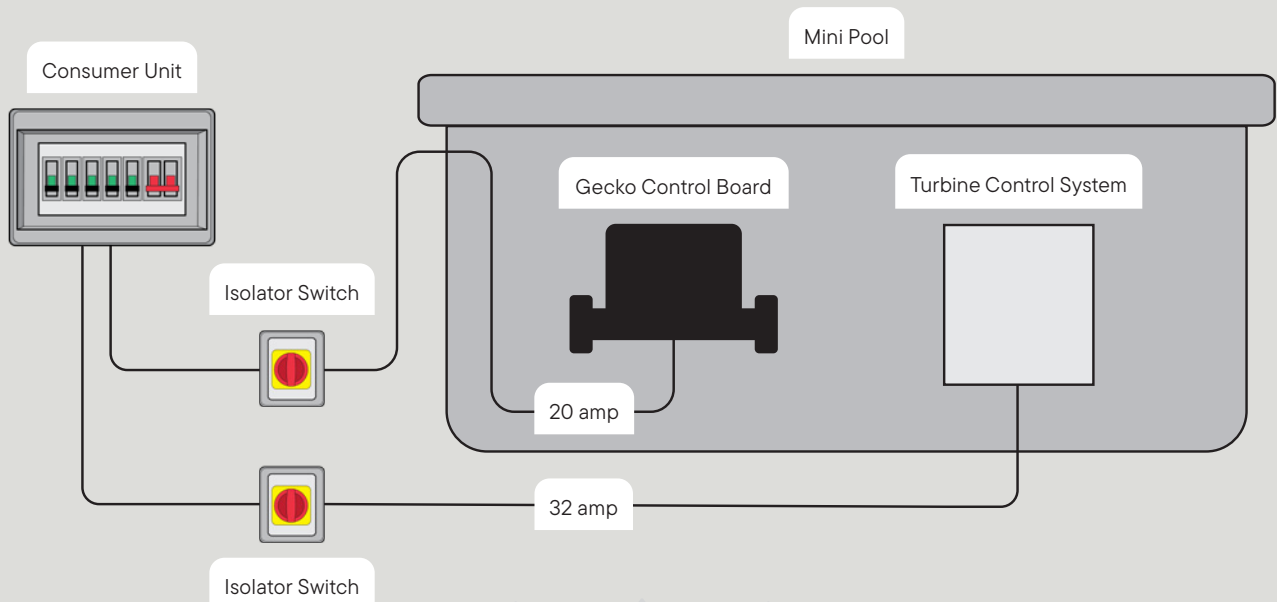
- The mini pool must not share an electrical circuit with any other equipment.
- All supplies must be RCD protected.
- The electrician must confirm the correct breaker size, conductor size, grounding and bonding requirements for the specific installation.
- A maintenance disconnect must be installed within sight of the mini pool and positioned in accordance with NEC and local code requirements. The NEC guidance commonly requires the disconnect to be readily accessible, within sight, and not less than 5 ft from the water's edge, unless separated by a permanently installed barrier.
- All bonding and grounding must be completed in line with NEC Article 680 and local requirements. Spas and hot tubs generally require RCD protection under NEC Article 680.
- Any outdoor wiring, conduit, disconnects and electrical components must be suitable for outdoor use and installed according to state and local code.
- The customer is responsible for ensuring that all required permits and inspections are completed before use.
- Final connection must only be made once the electrical installation has been inspected and approved, where required by the local authority.



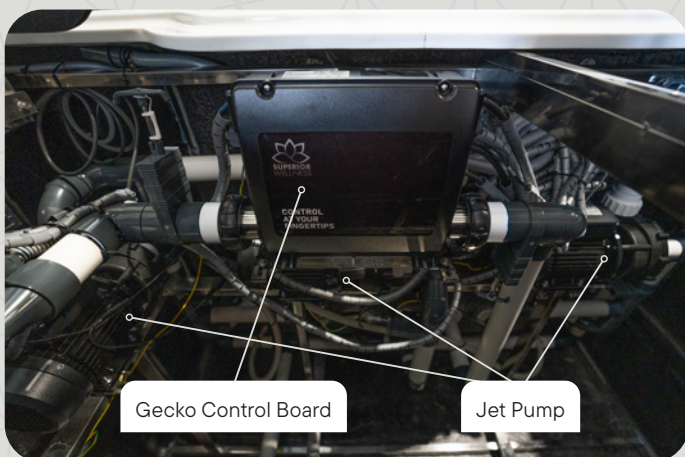
Standard - River Jet Variation



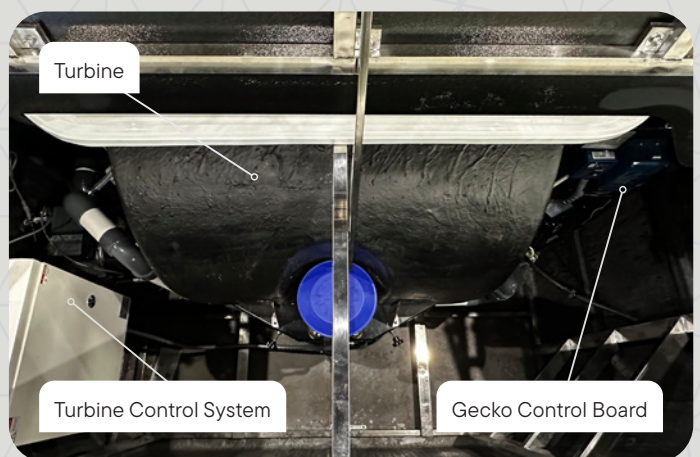
Professional - Turbine Variation



Standard - River Jet Variation



Professional - Turbine Variation



Installation Requirements.

The following information is provided as general guidance only. Groundworks, base construction, drainage, backfilling and any partial or full in-ground installation must be reviewed, approved and confirmed by appropriately qualified professionals before work begins.

All groundworks must be assessed by a qualified civil engineer, structural engineer, licensed contractor or other relevant professional body, depending on the installation type and local requirements. Local building regulations (such as Part A of the UK Building Regulations) and European Standards (EN 16582 / EN 16713 for domestic swimming pools).

The customer is responsible for ensuring that all required permits, inspections and approvals are obtained before installation.

Water

- No fixed plumbing is required for inlet or outlet water connections.
- Filling is completed using a standard water supply.
- Emptying is completed using a suitable submersible pump.
- Drainage arrangements must be confirmed before installation.
- Water must not be allowed to collect around the base, shell, equipment area or surrounding groundworks.
- Any drainage route must comply with local regulations and environmental requirements.

Ground surface

The mini pool must be installed on a completely level, stable and load-bearing base.

Before installation, the ground surface and base must be assessed and approved by a qualified civil engineer, structural engineer or licensed contractor.

Recommended general guidance

- The base must be level, stable and capable of supporting the full filled weight of the mini pool, including water, bathers and surrounding finishes.
- A minimum of 500mm / 20mm drainage gravel may be required, depending on soil and drainage conditions.
- The finished base surface may be crushed stone, concrete pavers or a reinforced concrete slab, but the final base type must be approved by a qualified professional to ensure it can safely support the full filled weight of the mini pool.
- Final base depth, slab thickness, reinforcement and bearing capacity must be specified by a qualified professional.
- A drainage pipe around the slab is highly recommended where required by site conditions.
- XPS insulation boards may be used beneath the tub for floor protection, subject to approval by the project engineer or contractor.

- The base must not settle, move, retain standing water or allow the mini pool to become unlevel after filling.
- Warning - Do not adjust parameters on the turbine inverter - this is already setup.

Backfilling

Backfilling must only be carried out once the base, drainage and installation method have been approved by a qualified professional.

- Backfilling requirements depend on soil conditions, groundwater level, climate and installation type.
- Loose 20 mm / 40 mm drainage gravel may be used where suitable.
- Backfill material must not be compacted directly against the mini pool unless approved by the manufacturer and project engineer.
- We advise using 40 mm / 50 mm XPS boards to help insulate and protect all 4 sides of the ABS base.
- The surface may be finished with gravel, concrete, pavers, decking or other approved materials.
- The finished surface must allow safe access and must not restrict service access to the technical area.
- Drainage must be designed so that water cannot build up around the mini pool.

Partial or Full Shaft installation

The mini pool may be partially or fully installed into a shaft or recessed area if required. However, this type of installation must be professionally designed and approved before any work begins.

For partial or full in-ground installation:

- A qualified civil engineer or structural engineer must confirm the design.
- The surrounding ground structure must be suitable for the installation.
- Drainage must be planned and implemented correctly.
- The mini pool must not be exposed to standing water.
- Groundwater, rainwater and surface water must be directed away from the installation.
- Access to the technical unit and service areas must be maintained at all times.
- The installation must allow for future maintenance and product servicing.
- Any retaining walls, concrete work, drainage systems or shaft construction must comply with local building codes and permit requirements.

Installation

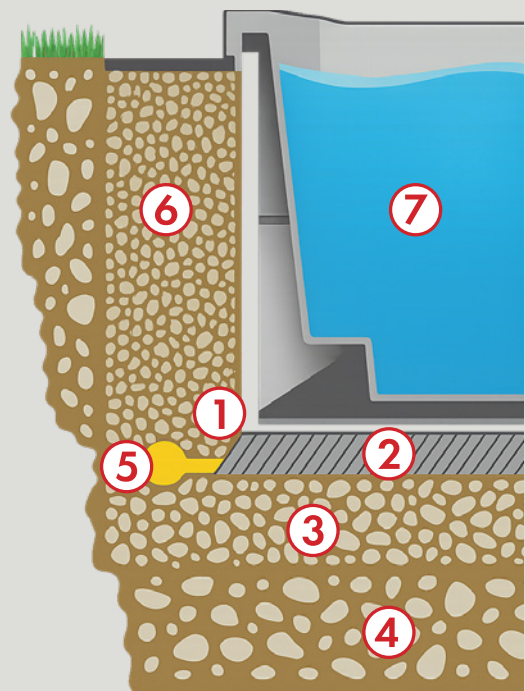
Without Shaft Construction

The entire technical unit is integrated within the pool's built-in, top-accessible maintenance chamber. A separate shaft is not required where the installation design allows full service access from above.

Please note: Dimensions may vary slightly due to manufacturing tolerances. The installation must be checked against the actual product dimensions before groundworks begin.

Installation Structure Overview:

1. XPS insulation panels, minimum 40 mm, where required and approved.
2. Reinforced concrete slab, thickness and reinforcement to be specified by a qualified engineer or contractor.
3. Drainage gravel, depth to be confirmed based on soil and drainage conditions.
4. Undisturbed natural soil or engineered sub-base, subject to professional approval.
5. Perimeter drainage pipe surrounding the slab and leading to an approved drainage outlet or soakaway, where permitted locally.
6. Backfill with drainage gravel, minimum depth to be confirmed by the project engineer.
7. Water filling: the pool must be filled with water before side backfilling with gravel, unless otherwise instructed by the manufacturer or project engineer.



Important Installation Disclaimer

This document is intended as rough guidance only and does not replace professional design, engineering advice, local code requirements or permit approval. Installation requirements will vary from county, city, soil type, climate, groundwater level and installation method.

All groundworks, drainage, base preparation, backfilling and in-ground installation details must be checked, confirmed and approved by qualified civil engineers, structural engineers, licensed contractors and any relevant professional bodies before installation begins. The customer and installer are responsible for ensuring the installation complies with local building regulations (such as Part A of the UK Building Regulations) and European Standards (EN 16582 / EN 16713 for domestic swimming pools).

Prevention & Drainage

Flood Risk Prevention & Drainage

The following guidance is intended as general advice only. Drainage requirements may vary by county, city, soil conditions, groundwater level, climate and installation type. All drainage and flood prevention measures must be checked and approved by a qualified contractor, civil engineer or relevant professional before installation.

Submersible Pump Recommendation

To help reduce the risk of flooding and damage to internal components, we strongly recommend installing a dedicated submersible pump with an automatic float switch inside the integrated technical housing, also known as the mini pump room.

- The pump should activate automatically if water levels rise.
- The pump should discharge to a suitable outlet outside the unit.
- The outlet route must prevent water from flowing back into the technical housing.
- The discharge location must comply with local drainage and environmental requirements.
- The system helps protect against water ingress, rainwater, groundwater, surface water and condensation build-up.
- The float switch must be tested during commissioning.
- The pump, float switch and outlet must be checked regularly and kept clear.

Truck-mounted cranes

Due to weight, mini pools will be delivered using a truck-mounted crane, or a larger separate crane.

Truck-mounted cranes are usually quite large and so consideration needs to be made as to whether they will fit up a normal driveway.

Stand alone, truck-mounted cranes will have a much larger reach – approximately up to 44 m. However, these cranes are often very wide and very heavy with many not being able to drive on a domestic driveway. If unsure, you should contact a local crane company who will carry out a site survey on your behalf.

Whilst mini pools can often be lifted without spreader bars, this is at the discretion of the crane company. It is the sole responsibility of the crane company to ensure that the mini pool is moved without damage, and it is your responsibility to ensure that they are suitably insured for any damage occurring to either the product or your property. Superior Wellness (or its employees) are not responsible for any damage to person(s) or owner(s) while the mini pool is in the air or while the crane is operating. We recommend a “Contract Lift” service where the crane company takes full liability for the lift, insurance, and risk assessment.

Important Note

Drainage must be planned before installation. The technical housing, base and surrounding area must not be allowed to hold standing water.

Failure to install suitable drainage, flood prevention and overflow protection may void the equipment warranty where damage is caused by water ingress, flooding, standing water or poor drainage design.

All drainage work must be approved by qualified professionals and completed in line with local building regulations (such as Part A of the UK Building Regulations) and European Standards (EN 16582 / EN 16713 for domestic swimming pools).

Important

A truck-mounted crane must be arranged by the customer. It is the customer's responsibility to liaise with and pay the third party directly for this service.

Integrated.

Access Hatch

Engineered for easy maintenance

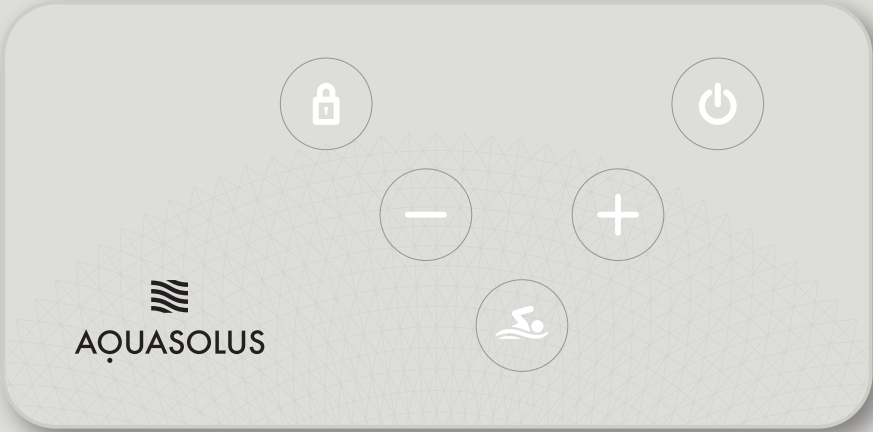
Behind the sleek exterior lies a smart service solution. Our in-ground mini pools feature a fully integrated access hatch—giving technicians full standing access to the pool's core components including pumps, heaters, and filtration systems.

This thoughtful design ensures maintenance is quick, clean, and discreet, with no need to drain the pool or disrupt your outdoor space. Whether for routine servicing or rapid diagnostics, the access hatch maximises uptime and minimises hassle—so you can focus on performance, not problems.



Visit aquasolus.com for more info.

Control Panel



Power button

Control the power-on and power-off of the entire system.



Swimming Operation Key

Press this key to start the swimming mode. The system defaults to setting the swimming intensity to the third gear.



Minus key

Pressing this key can reduce the running speed (current intensity) of the swimming machine. Each press will reduce the running speed (swimming intensity) of the swimming machine by one gear.



Plus key

Pressing this key can increase the running speed (current intensity) of the swimming machine. Each press will increase the running speed (swimming intensity) of the swimming machine by one grade.



Locked and unlocked

Long-pressing the “Lock Key” button will activate the panel key lock function. The background light of the keys will light up and the display screen will show “LOC”. After this function is activated, the functions of other keys will be locked. To unlock, long-press the “Lock Key” until the background light of the keys goes out and “LOC” disappears on the display screen. Then other function keys can operate normally.

Speed Intensity

Approximate flow rate at different levels meters/min

Level 1	50	Level 5	86	Level 9	122	Level 13	158
Level 2	59	Level 6	95	Level 10	131	Level 14	167
Level 3	68	Level 7	104	Level 11	140	Level 15	179
Level 4	77	Level 8	113	Level 12	149	Level 16	185

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