

Nitro™

For models released from November, 2023

Technical Information Pack



Interactive tech sheet

This interactive tech sheet contains clickable links and QR codes that provide instant access to specific information related to Vortex™ Spas or Swim Spas.

Simply click or scan these QR codes to dive deeper into the features, maintenance tips, and expert advice tailored just for you.

When you see these icons, you can click or scan:

Click on QR code



Scan QR code



We hope you find the information helpful. Please get in touch if you have any questions about any Vortex™ Spas product. We are here to help!

From the Vortex™ Spas Team.

Nitro™



JETS

Up to 71



WATER CAPACITY

1,517 litres



SEATING

5 seats



DIMENSIONS

2.30 x 2.30 x 0.92m



FEATURES

Build

- PermaFrame™ Timber-free construction with a Lifetime Warranty
- Superior USA-made Aristech™ acrylic for added peace of mind
- Thermobond™ 4-Layer shell construction for superior durability
- Nine colours combinations to suit your preferences
- Duraflex™ 'No kink' PVC plumbing ensures no plumbing worries
- Thermoclad™ Maintenance-free cabinet
- ThermoLock™ Dual layer insulation to reduce energy consumption
- ThermoLock™ High Impact moulded ABS base
- Hydroflow™ Stainless steel bearing-less jets for long life

Control

- SpaNet™ Premium control systems with dynamic thermal tuning for energy savings
- Premium SpaNet™ Touchpad for ease of use

Lighting

- Hydroglow™ Underwater LED floodlight
- Hydroglow™ LED backlit water cascade to set the scene
- Hydroglow™ Programmable lighting for full control
- Hydroglow™ Jet & topside control lighting
- Hydroglow™ Perimeter & cabinet lighting
- Hydroglow™ Backlit drink holders
- Hydroglow™ Backlit laminar jets

Water Care

- Purezone™ AOS System with UV and ozone automatic water care
- Purezone™ Micro-filtration for effortless water clarity

Hydrotherapy

- Neck Therapy Collar™ to melt away back and shoulder tension
- Twin Hydrotherapy lounger so there's no arguing over the favourite seat
- Individual seat pressure controls for a tailored hydrotherapy experience
- High-Pressure Volcano jet for targeted hydro-massage
- Adjustable spa jets for customised massages

Optional Extras

- Vortex™ Audio WiFi Kit—Control your spa and enjoy your favourite music or podcasts
- SmartLINK™ WiFi Module—Remotely monitor and control your spa
- EcoCube™ Heat pump—Save up to 75% on spa heating costs in winter and cool your spa in summer

WARRANTIES

Frame.....	Lifetime
Shell structure.....	10 yrs
Acrylic surface.....	5 yrs
Jets, plumbing & heater	5 yrs
Pumps & equipment.....	5 yrs

* Conditions apply. Specifications may change without notice. Pictures may show options not available on all models.

Nitro™

Heights

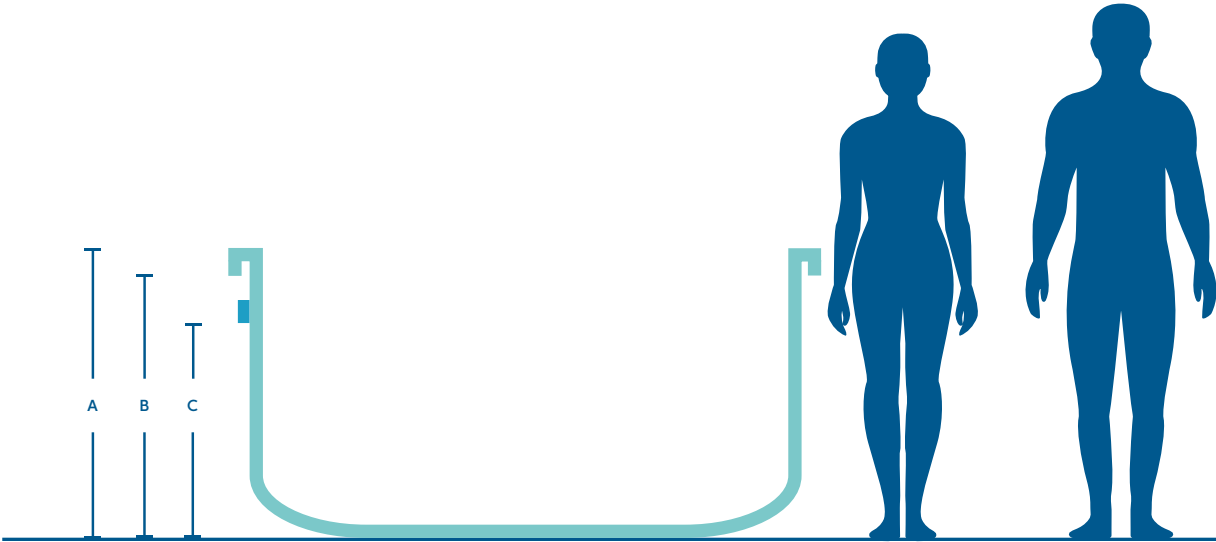


Illustration shows Nitro™ spa model

		Nitro™	Nitro HP™
Model dimensions		2.30(L) x 2.30(W)m	2.30(L) x 2.30(W)m
A	Total height	0.92m	0.92m
B	Product height under lip +-20mm	825mm	825mm
C	Height to bottom of health light +-25mm	620mm	630mm

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	Nitro™	Nitro Hydroplus™
Water capacity	1,438L	1,517L
Dry weight	391kg	418kg
Filled weight (incl cover)	1,847kg	1,953kg
Lift weight	501kg**	533kg**
Intuitive spa controller	SV2	SV3
Programmable circulation pump	1	1
Jet pumps	1	2
Variable speed air blower	1	1
Variable output heater	3kW max	5.25kW max
Recommended electrical supply	15 amps***	32 amps

** The specified Lift weights in the table above include the spa's dry weight, packaging, and hard cover. These are approximate weights and are intended as a guide only. All weights must be checked by the crane operator prior to the lift. (Cranes have the ability to check the weight)

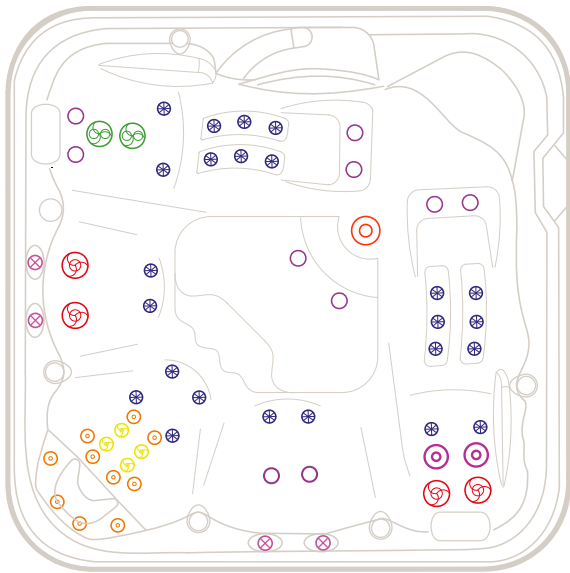
*** This spa model has pre-installed power lead. The lead is five meters long, measured from the controller inside the spa (not from the spa cabinet), which allows it to extend approximately three meters from the controller side, where the keypad is located. If you plan to install the power outlet on the opposite side of the spa, please account for the length of the lead, as it may be too short. Extending or replacing the lead is the responsibility of the spa owner and must be done by a licensed electrician

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Nitro™

Jet Specifications

Dimensions: 2.30 x 2.30 x 0.92m



 140mm Single Roto Jets

 127mm H2 Volcano Jet

 140mm Dual Roto Jets

 140mm Directional Jets

 102mm Directional Jets

 63mm Directional Jets

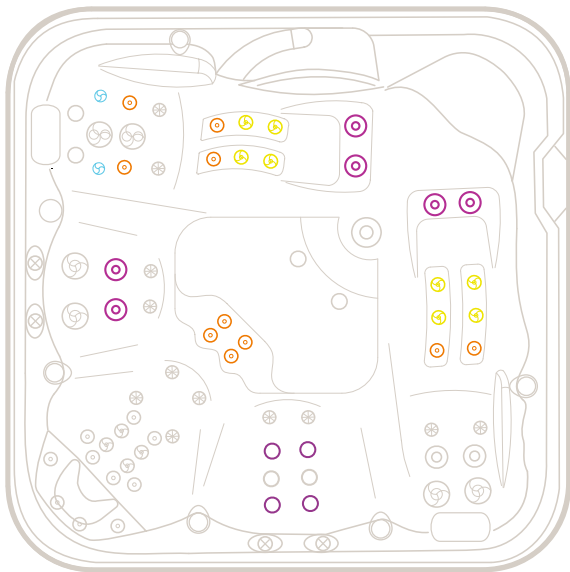
 63mm Roto Jets

 50mm Air Jets

 Laminar Jets

Nitro Hydroplus™

Hydroplus model, provides you with a superior hydrotherapy experience.



 140mm Directional Jets

 102mm Directional Jets

 102mm Single Roto Jets

 63mm Directional Jets

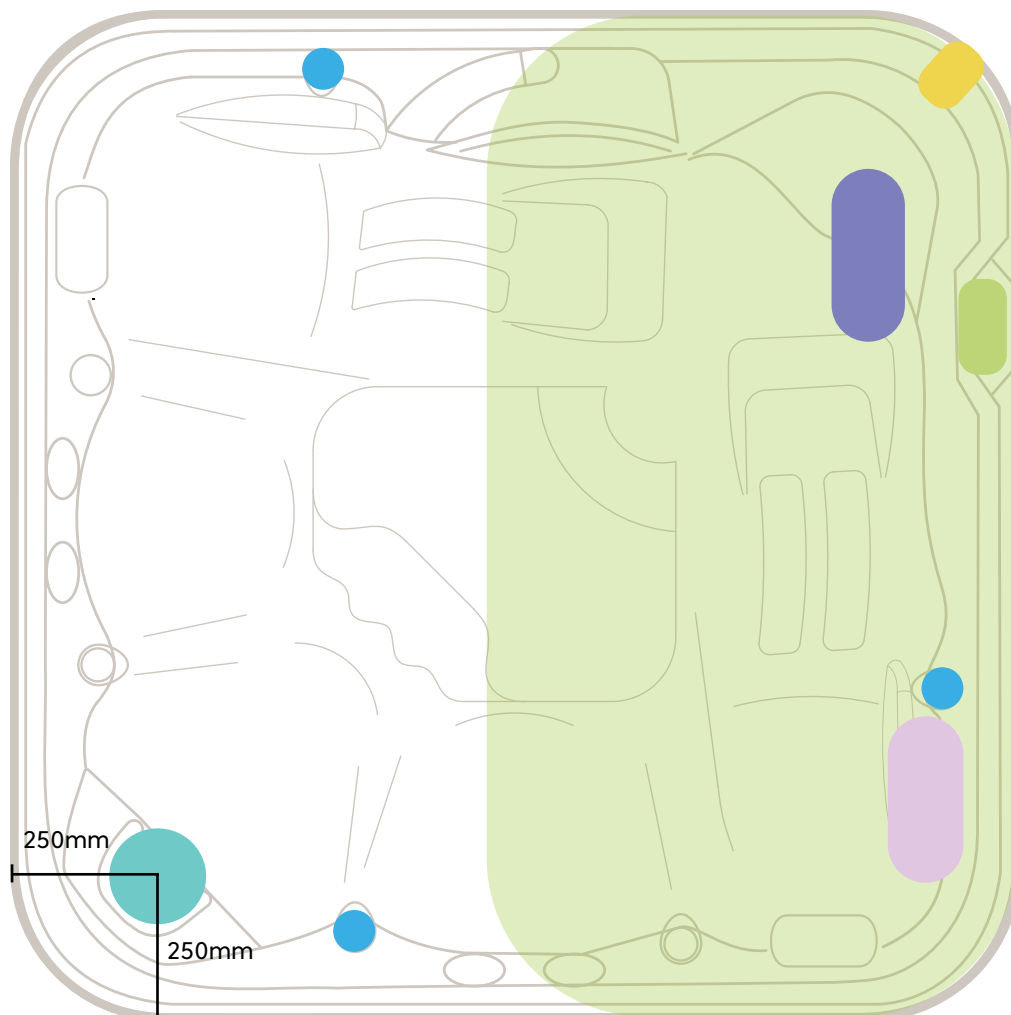
 63mm Roto Jets

 Laminar Jets

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Nitro™

Equipment Location



	Equipment Bay
	Keypad
	Drain Valve

	Conduit Access
	Circulation Pump

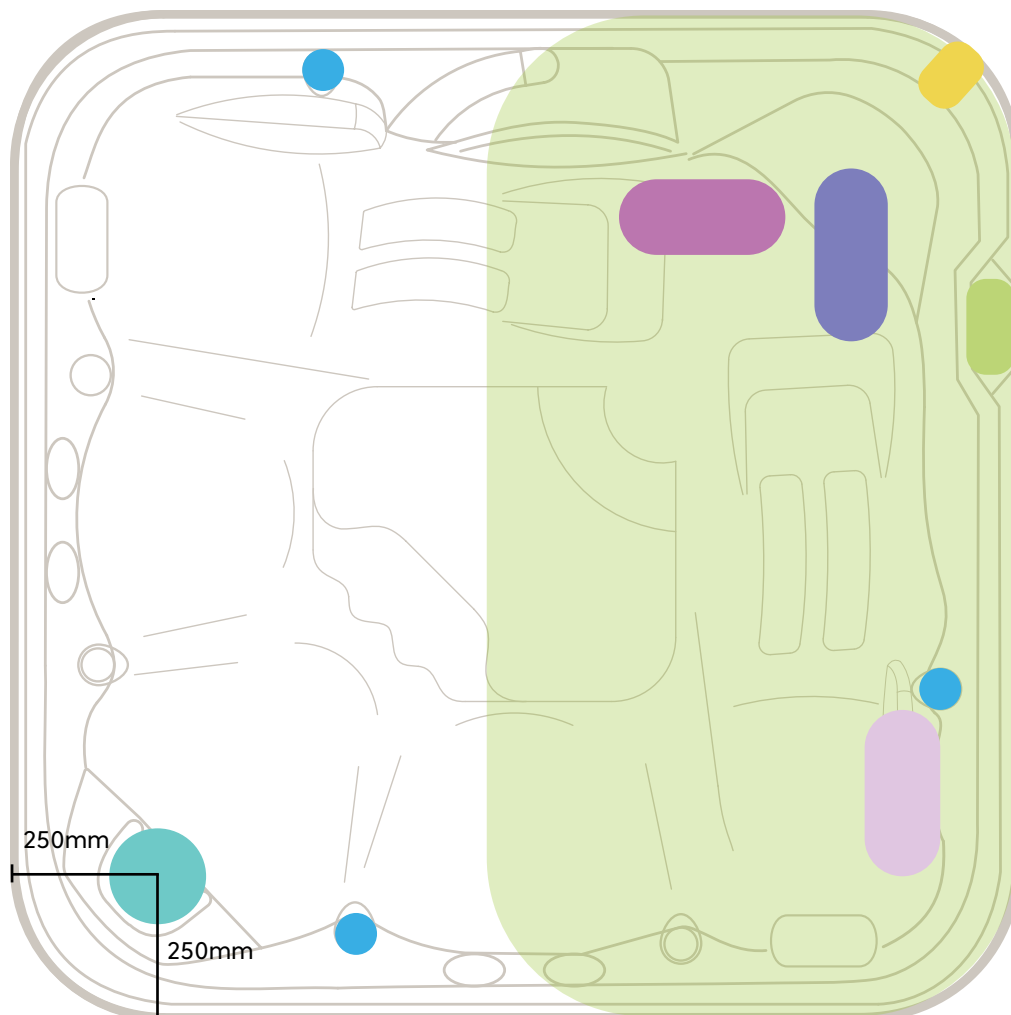
	Jet Pump
	Speaker holders

* Conduit access should be no more than 100mm high above the concrete slab.

Note: This model has a rigid base, and if you choose to bring the piping conduit in from the bottom through the base, you will need to cut a hole into the base on-site before installation. The factory does not provide this hole. Please see the diagram above to find the location where you can drill the hole.

Nitro HP™

Equipment Location



	Equipment Bay
	Keypad
	Drain Valve

	Conduit Access
	Circulation Pump
	Speaker holders

	Jet Pump
	Jet Pump Hydroplus models

* Conduit access should be no more than 100mm high above the concrete slab.

Note: This model has a rigid base, and if you choose to bring the piping conduit in from the bottom through the base, you will need to cut a hole into the base on-site before installation. The factory does not provide this hole. Please see the diagram above to find the location where you can drill the hole.

Deck/Pit Installation

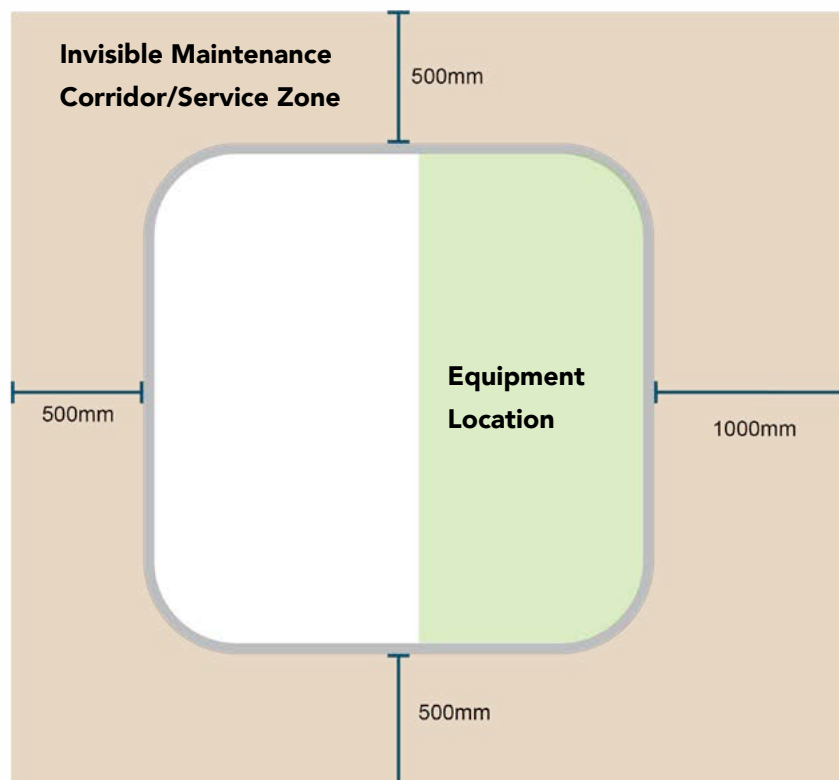
Follow this step-by-step guide to ensure your spa remains fully accessible for servicing and upgrades, without compromising your deck/pit design.

1. Leave space between the decking and the lip of the spa.

- Do not run deck boards flush with the underside of the spa shell. This setup is unsafe and not recommended.
- **Set the spa at least 400mm above deck height (to the top of the spa):** Ensures safe and easy entry/exit. Allows cover safety clips to attach securely to the spa cabinet.
- Avoid finishing the spa lip level with the deck: Spa shells are hand-trimmed, so an exact level finish is unreliable. Misalignment is likely, especially over time.
- Risk of structural damage: If foundations settle and the spa shell rests on the deck, it can cause cracking or damage. **This type of damage is not covered by warranty.**



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2. Visualise the Invisible Maintenance Corridor

Think of your spa as sitting inside an invisible service zone that technicians need to work freely.

- Leave 1000 mm (1 metre) clearance on the Equipment bay side.
- Leave 500 mm clearance on all other sides, measured from the spa cabinet—not the water edge or frame.

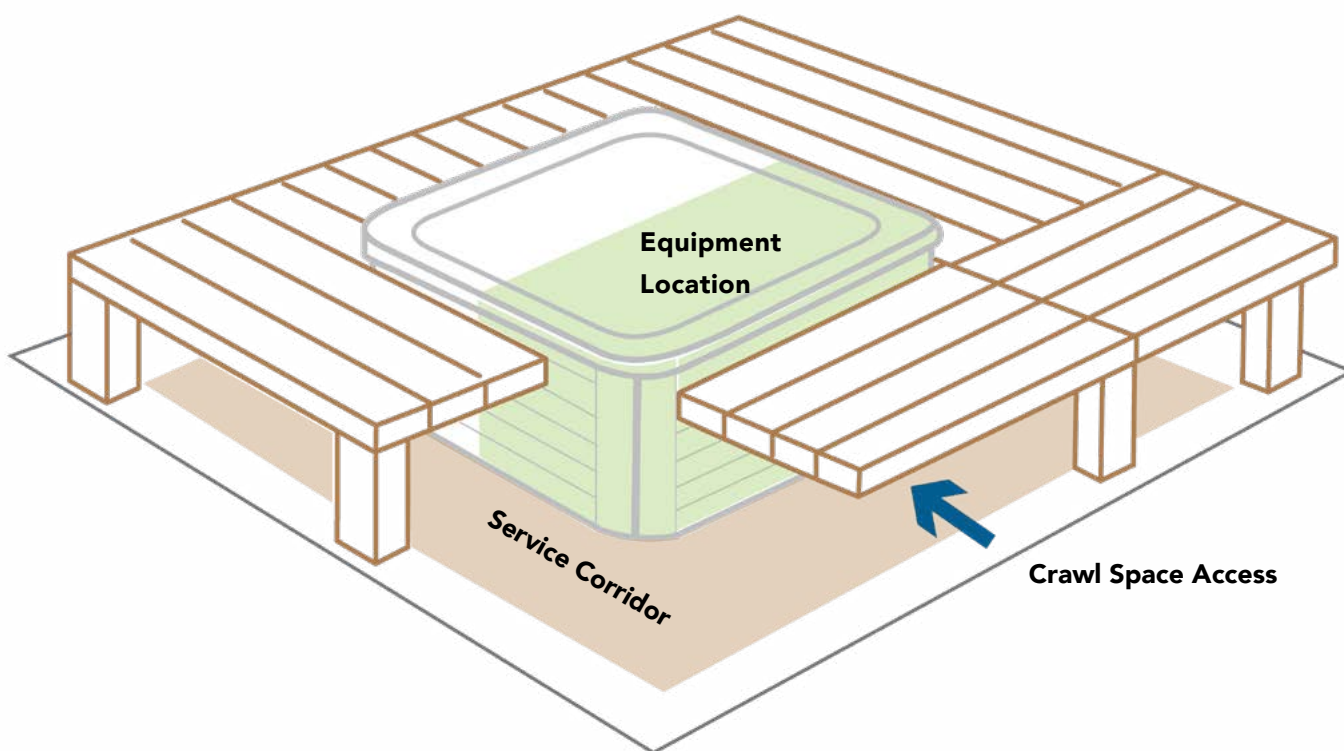
Tip: The invisible maintenance corridor zone must remain free of posts, joists, steps, balustrades, fencing or other obstructions.

3. Design Around the Swim Spa – Not Over It

Set back deck framing: Position beams outside the service corridor.

- Cantilever your joists to bridge the 500 mm or 1000 mm gap.
- Frame removable hatch panels into the decking that sits over the service zones. These hatches allow future access to pumps, plumbing, and equipment without pulling up your deck or dismantling timber.

Side Angle View Deck Cut-Out Service Corridor and Crawl Space Access



4. Add Drop-in Lids or Crawl Space Access

Underneath any decking above a service zone:

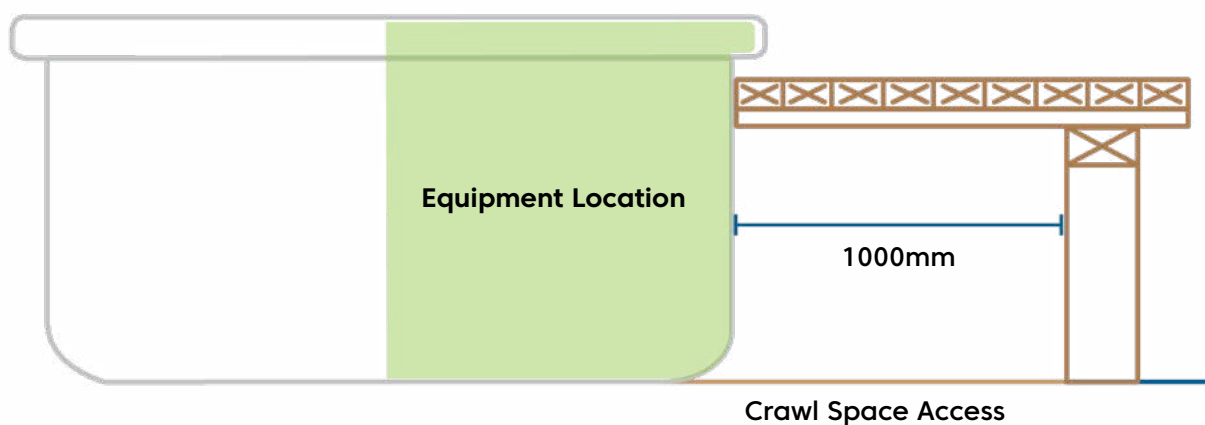
- Provide drop-in lids or crawl space access. This lets technicians get to every panel on every side of the spa, even those not facing outward.

Long-term servicing, warranty work, and equipment upgrades all depend on this kind of access!

Front View Deck Cut-out Service Corridor



Side View Deck Cut-out Crawl Space Access



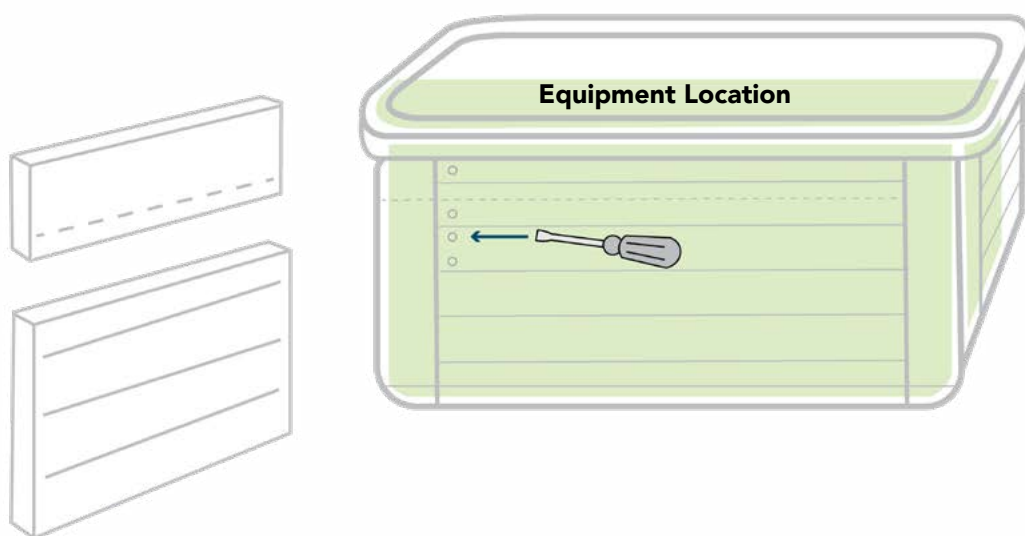
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5. Prepare Swim Spa Cabinet Panels Before Decking/Pit (optional)

Before any boards go down:

- Mark a horizontal line just below your planned future deck height on each spa cabinet panel.
- Unscrew and remove the entire panel.
- Cut it in two parts:
 - The upper section will lift out from above the deck.
 - The lower section will slide out through the gap beneath.

Pre-cutting ensures panels can be removed without cutting into the spa's frame, insulation, wiring or plumbing.



6. Reinstall the Cabinet Panels – Now Split for Access

- Once cut: Reinstall the lower section below deck height.
- Store or safely keep the upper section to reattach once the deck is in place.

This prep means panels can be accessed from above or below the deck—without compromising spa structure or warranty.

7. Double-Check Before Final Decking

Before securing your final boards confirm all clearances:

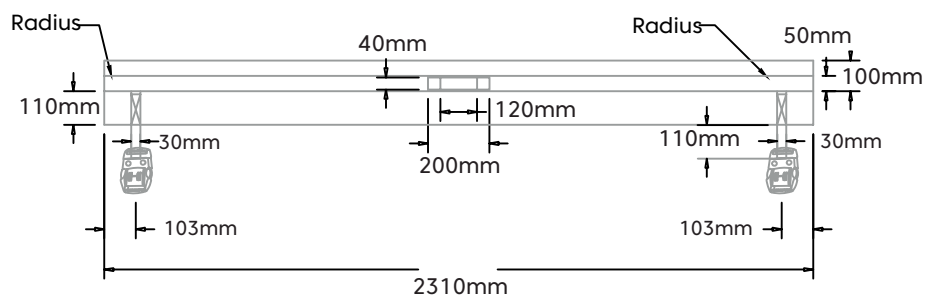
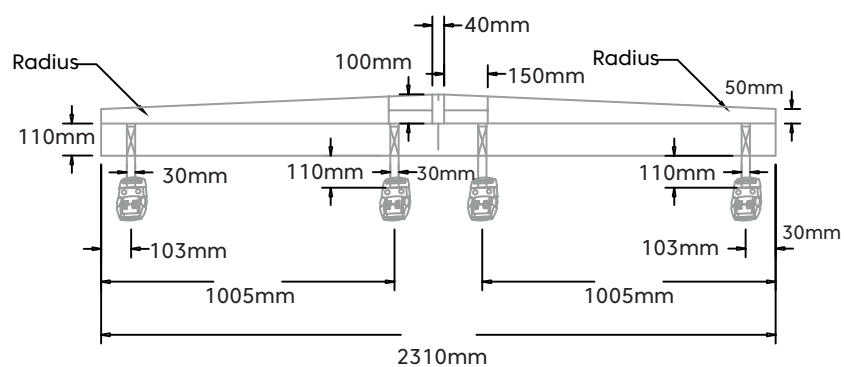
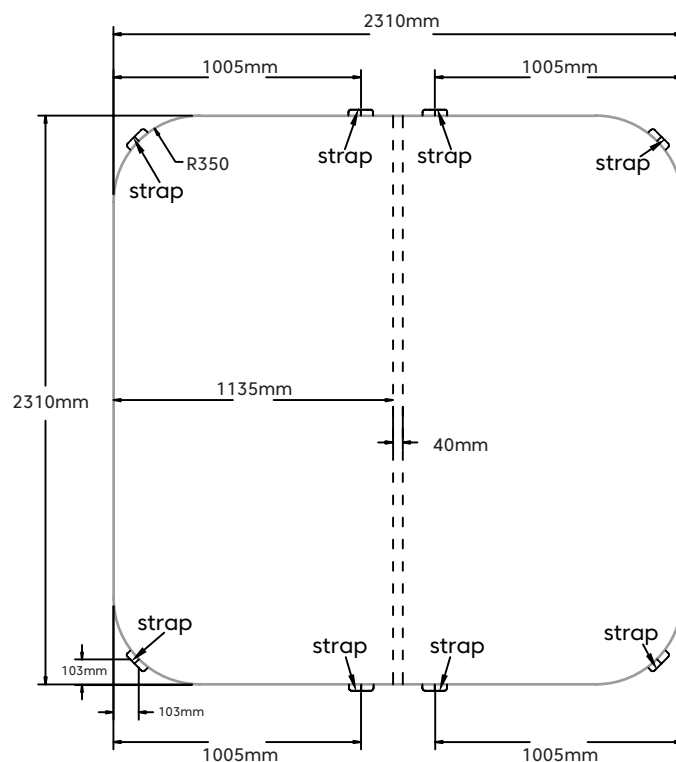
- 1000 mm on the equipment side
- 500 mm on all other sides
- Confirm hatch panels and access points align with service zones.
- Confirm cabinet panels are divided and re-installable.

You're Set Up for Success

By following this method, you'll:

- Protect your spa's warranty
- Avoid costly rework later
- Make future servicing simple
- Keep your decking clean and elegant with hidden hatches and clever framing.

Standard Spa Cover



Nitro™

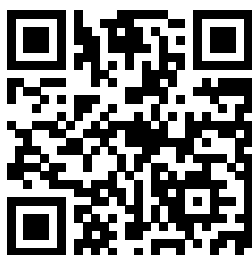
Vortex Spas™ Certificates

To access the Vortex Cobalt™ Generic Concrete Slab/ Plumbing/ Structural Certificates, please click or scan the QR code associated with each model.

Click on QR code



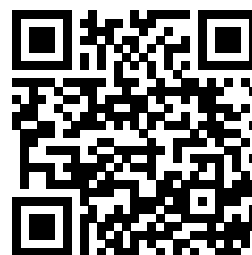
**Vortex™ Spas Portables
Generic Concrete Slab
Certificate**



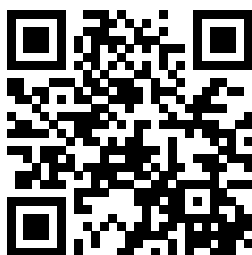
Scan QR code



**Vortex Nitro™
Plumbing approval**



**Vortex Nitro HP™
Plumbing approval**



**Vortex Nitro™ and Nitro HP™
Structural certificate**



Vortex Spas™ Limited Warranty

To access the Vortex Spas™ Limited Warranty:

Click on QR code



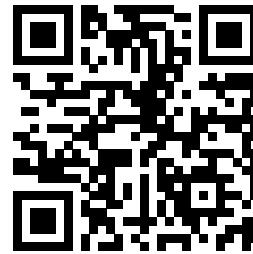
Scan QR code



**Vortex Spas™ 2024
Limited Warranty**



**Vortex Spas™ Pre-2024
Limited Warranty**



Vortex Spas™ Owner's Manual

To access more information about Vortex™ spa:

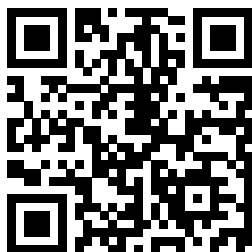
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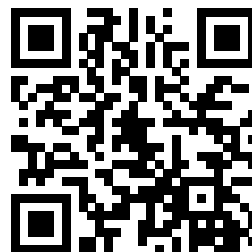
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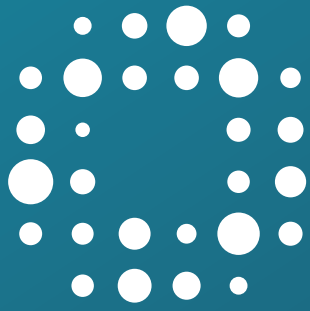


**Vortex Spas™
Owner's Manual**



**Vortex Spas™
Audio WiFi Manual**





VortexTM
Spas