

Submersible SwimWalls 2023

Anti Wave Submersible SwimWall Systems

- Program Flexibility and Diversification
- Maximum Revenue Optimisation
- Durable Non Corrosive Materials
- Precise construction and tolerances



Section 2.0

Submersible SwimWall

Submersible SwimWall Overview

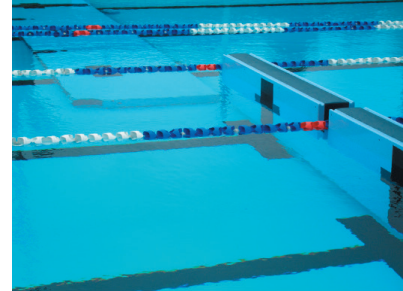
The Anti Wave Submersible Bulkhead sits flat on the pool floor when not in use and can be raised in moments when required by introducing compressed using supplied airlines into the bulkhead. The bulkhead is then locked into the upright position against the pool side.

The ability to span either half or all of the pool means even greater flexibility for pool programming.

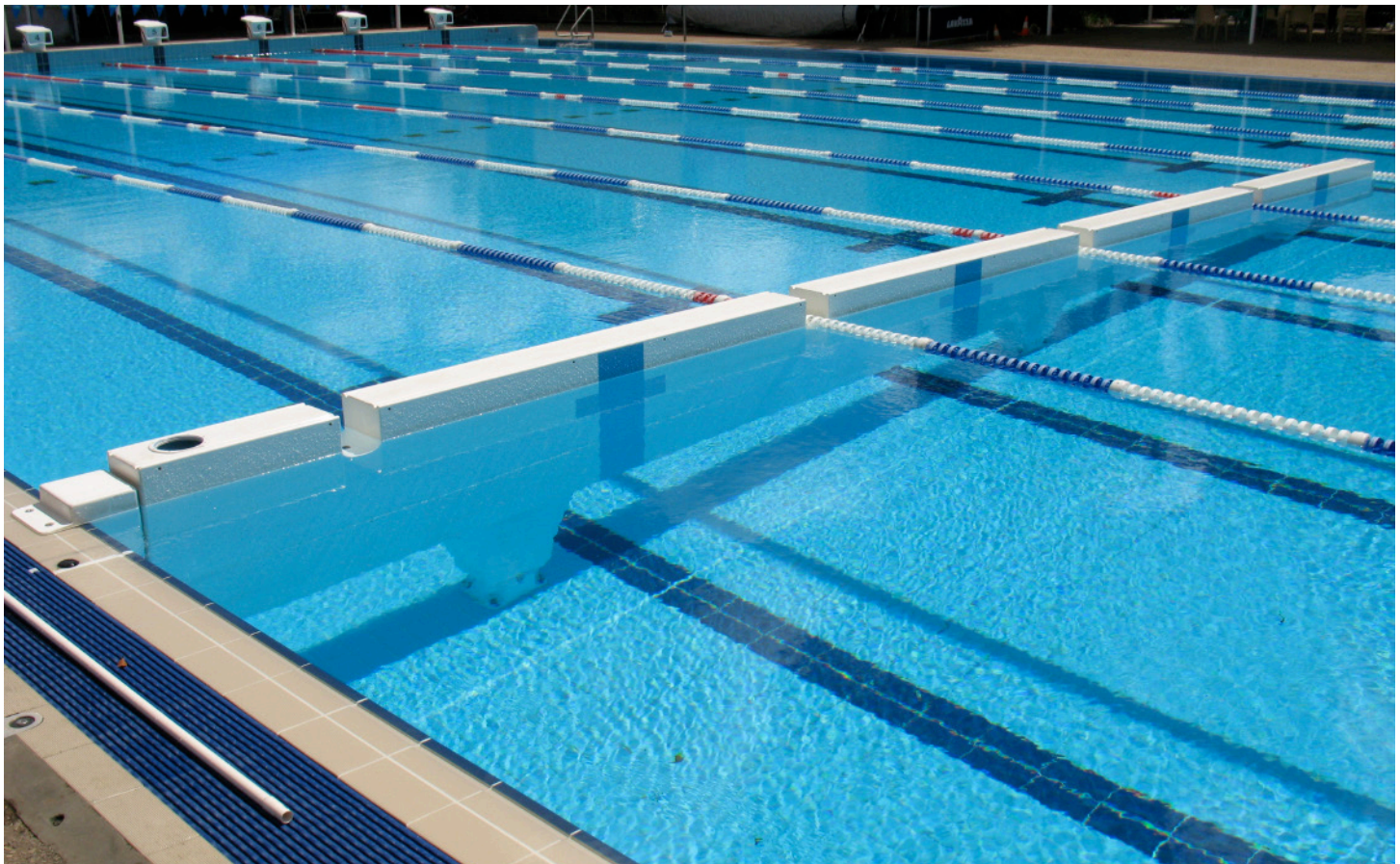
The Submersible Bulkhead is produced from FRP with internal buoyancy to permit manual operation using supplied air lines. Vertical walls of the bulkhead are supplied with target markings in accordance with Fina regulations.

Provision is made for lane ropes to pass through the bulkhead as required.

Bulkhead locked in 'up' position



Bulkhead flat against pool floor



Valley Pool • Brisbane • Australia • Anti Wave Submersible SwimWall - 'up' locked position

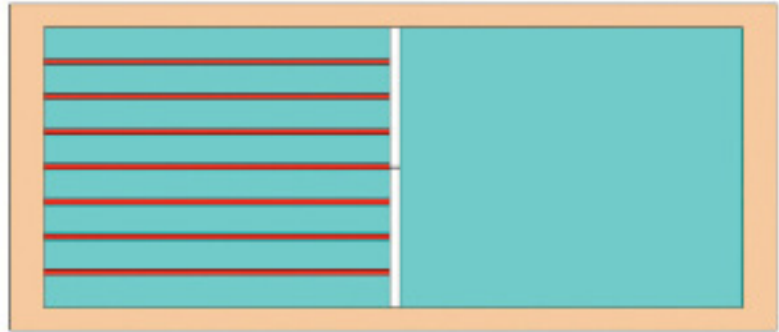
Section 2.1 SwimWall Flexibility

With AntiWave SwimWall anything is possible...

Note: Below measurements are for demonstration only

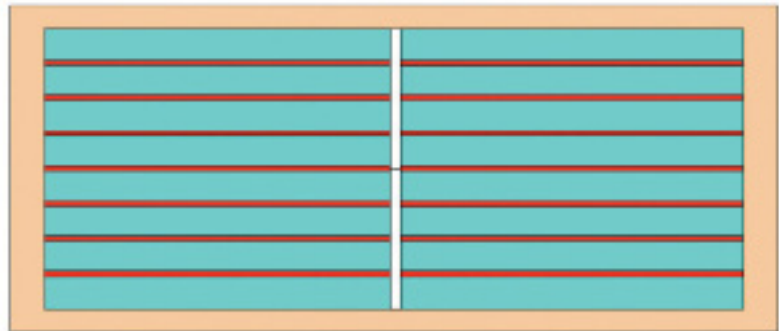
Program 1 (2 x 10m SwimWalls):

- One 8 Lane Pool 25m x 20m
- Suitable for lap swimming
- One 8 Lane Clear Pool 25m x 20m
- Suitable for a range of Aquatic Sports



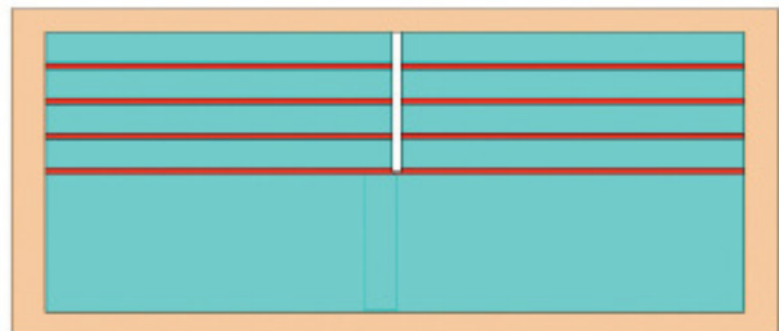
Program 2 (2 x 10m SwimWalls):

- One 8 Lane Pool 25m x 20m
- Suitable for lap swimming
- One 8 Lane Pool 25m x 20m
- Suitable for lap swimming



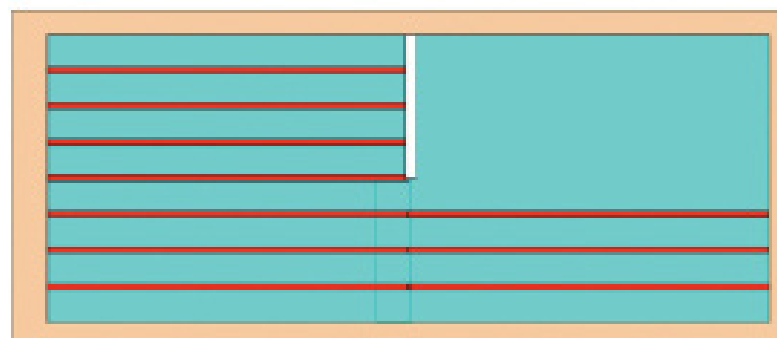
Program 3 (1 x 10m SwimWall):

- Two 4 Lane Pools 25m x 10m
- Suitable for lap swimming
- One Clear Pool 50m x 10m
- Suitable for a range of Aquatic Sports



Program 4 (1 x 10m SwimWall):

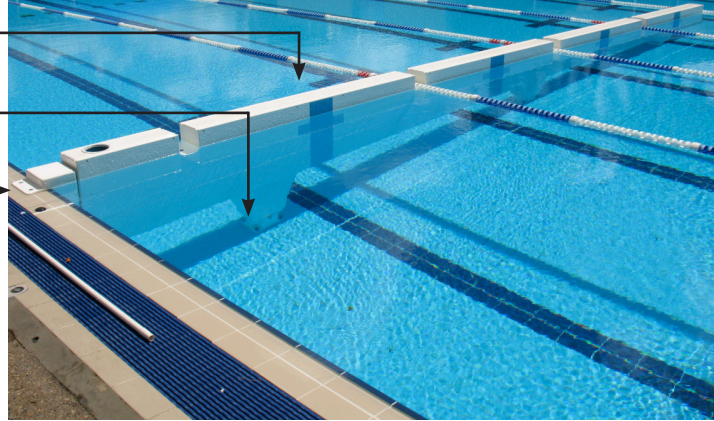
- One 4 Lane Pool 25m
- Suitable for lap swimming
- One 4 Lane Pool 50m
- Suitable for lap swimming
- One 25m Clear Pool
- Suitable for Aquatic Sports



Section 2.2 SwimWall Components

The Anti Wave Submersible system comprises four key elements:

- 1 • Submersible Swimwall
- 2 • Pool Anchoring subsystem
- 3 • Locking mechanism
- 4 • Swimwall Bouyancy subsystem



1 • The SwimWall

The Swimwall comprises the primary element of the Swimwall system. The Swimwall is able to move from a resting position on the pool floor to an upright position via the introduction of air by an operator.

2 • The Anchoring Subsystem

The Submersible Swimwall is anchored to the pool floor by the Anchoring subsystem. This system also allows for the Swimwall to move from the floor resting position to the upright position where it can be locked into place.

3 • The SwimWall Locking Mechanism

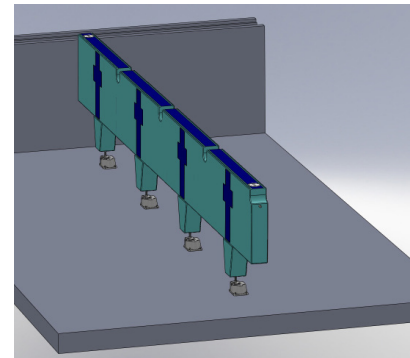
The Swimwall locking mechanism ensures secure fastening of the SwimWall in the 'up' position. A large diameter retractable pin secures the SwimWall to the SwimWall locking mechanism.

4 • Bouyancy Subsystem

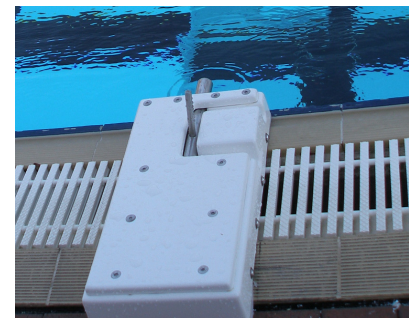
The Bouyancy subsystem is activated through the introduction of compressed air into the swimwall via the Air Input Pump.

Air is entered into the Swimwall via an input valve near the Swimwall locking Pin. As the air enters, the Swimwall raises to its upright position.

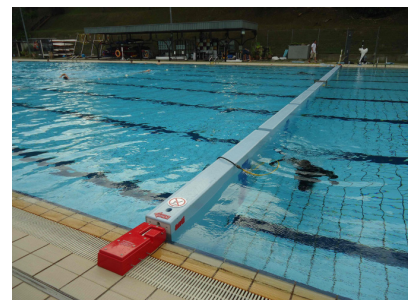
A power outlet is required within 3 meters of the swimwall for operation of the Input Pump.



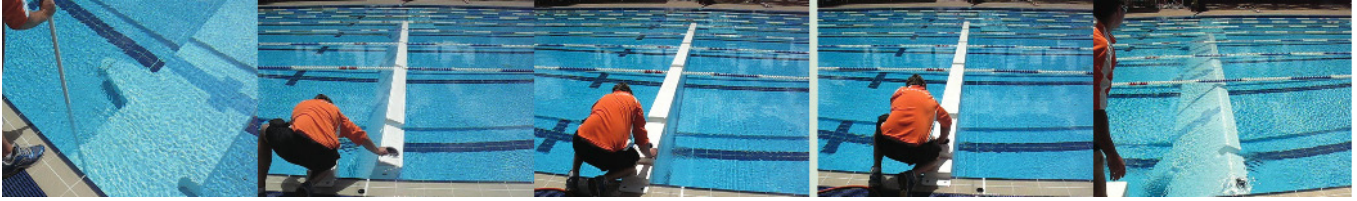
Swimwall Anchoring Subsystem



Swimwall Locking Mechanism



Section 2.3 SwimWall Operation



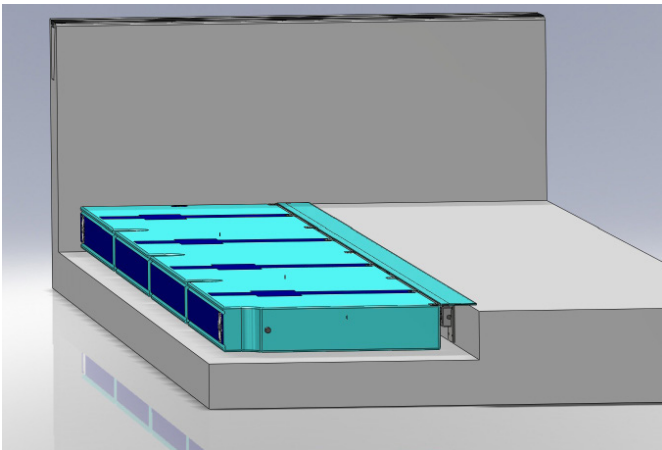
Raising the SwimWall to the vertical position:

- Place Air Input Pump in Input Port and pump air into the SwimWall for 15-20 seconds then remove air line
- Lane ropes can remain in place while operating
- Operate the slide action locking pin into the SwimWall as the wall approaches the socket.

Lowering the SwimWall to the Pool Floor

- Retract the slide action lockin pin
- Gently push the SwimWall to one side. This introduces water into the SwimWall.
- Flooding water displaces the remaining air inside the SwimWall and the SwimWall lays flat on the pool floor.

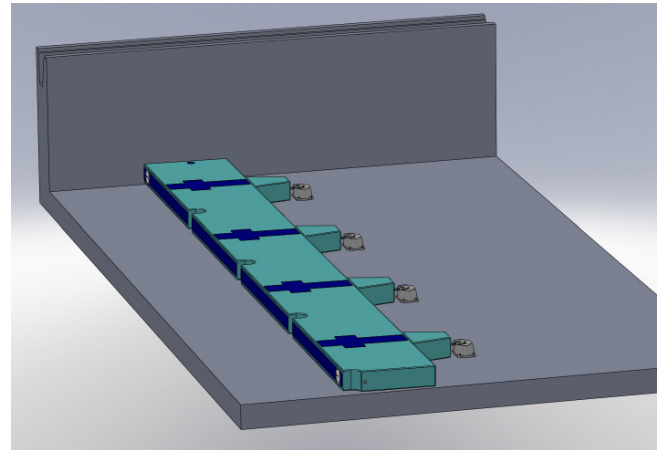
Section 2.4 SwimWall Anchor Variations



Installation to Pools not yet finalised:

New Pools can be built to incorporate the SwimWall into their design. This simply requires the inclusion of a recessed pit in the pool floor.

This method allows the SwimWall to sit flush with the pool floor.



Installation to existing Pools:

Installation of the SwimWall into existing pools is easy and requires no changes to the pool floor apart from the installation of the SwimWall anchoring system.

The SwimWall can be easily retrofitted to any Pool and can be produced to meet a wide range of needs.

Section 2.5 Swimwall Specifications

General Specifications:

General Description

The SwimWall is fabricated from FRP with internal buoyancy to enable the wall to be raised from the pool floor to the upright position.

Vertical walls of the SwimWall are supplied with target markings in accordance with Fina regulations.

Pins are located where lanes pass through to enable lanes to be secured directly to the SwimWall.

Provision is also made for the lanes to pass through the SwimWall.

Materials

Anti Corrosion 600 Chopped Stran Mat. A powder bound chopped mat designed for use with orthophthalic and isophthalic unsaturated polyester is used.

The structural laminate design has been certified and approved by SP High Modulus.

Woven rovings are used for tensile and impact strength. Triaxial rovings provide for high strengths and stiffness. Unidirectional rovings are used where shear strength is required. Vinyl ester resins provide for effective chemical barriers within the structure.

Closed Cell Foam PET Core

Stainless Steel

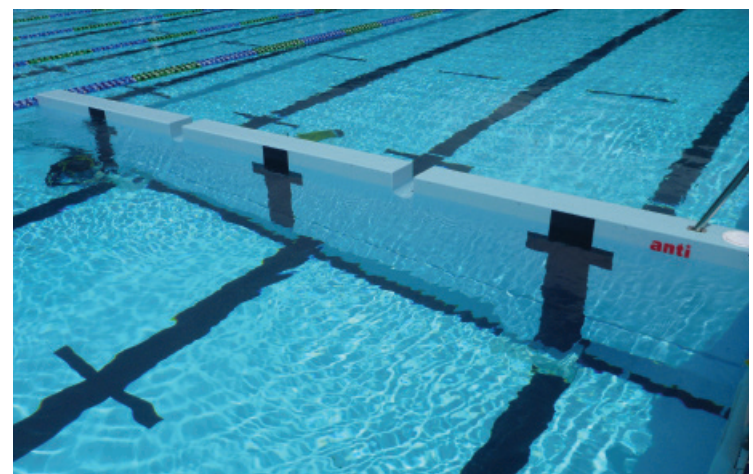
All stainless steel used in the SwimWall, anchoring and fittings are 316 marine grade for optimum corrosion resistance.

Quality Control

Factory Procedures are compatible with ISO standards



Swimwall Down during Water Polo Competition



Swimwall locked in raised position for swimming

Ordering Information

Since 1972 Anti Wave products and designs have been exported to over 150 Countries around the world.

Anti Wave has a widespread and growing global network of distributors and licensees, offering the most comprehensive and professional service and advice available.

Please contact our Global Headquarters to find your closest Reseller at www.anti.to or email anti@anti.to

Please contact our Global Headquarters for more information on our products.



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Anti Wave Global Pty Ltd
www.anti.to

Anti Wave Global Pty Ltd
Anton Kajlich : +61 424 173 625
Email : anton@anti.to
Web - www.anti.to
Brisbane, Australia

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