

SWIMWALL SYSTEMS™ POOL DIVIDERS

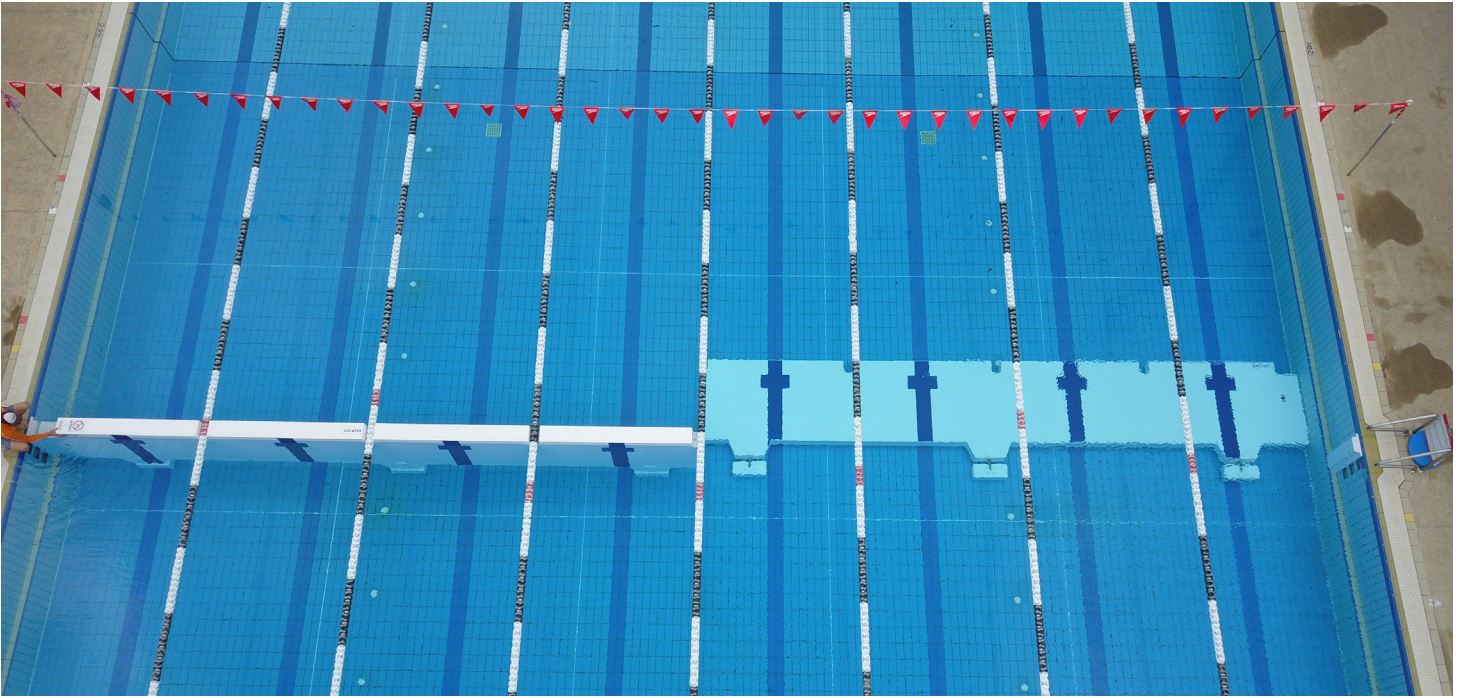


S.R.Smith SwimWall Systems: Safety Features

This document is a marketing guide to the safety features designed into SwimWall Systems. It is intended for use by facilities and regulators seeking to understand the S.R.Smith SwimWall product and how it fits into a pool's operational safety plan.

THIS DOCUMENT DOES NOT CONTAIN ALL SAFETY INFORMATION PROVIDED TO PURCHASERS. Additional safety information is provided in the Instruction Manual.

The safe operation of SwimWall System Pool Dividers are the sole responsibility of the owner.



1. What is an S.R.Smith SwimWall?

Designed to allow greater flexibility in programming options for swimming pools, the S.R.Smith SwimWall is a hollow yet rigid fiberglass cavity that can be used as a wall to segment a pool into separate areas. Unlike a traditional bulkhead, the S.R.Smith SwimWall can be filled with water, submerged, and sunk to the bottom of the pool when not in use. To return the wall to the upright position, the staff uses an S.R.Smith provided Air Supply System to push air into the cavity to “float” the device back to the vertical orientation where it is latched into an anchor in the sidewall, locking it securely in place.

Key product features:

- Manufactured in a facility certified to the highest quality standards
- Made from an exceptionally strong, multi-axial composite laminate
- Marine Grade 316L stainless steel fittings
- Marine grade gel coat for color steadfastness
- Suitable for use with both concrete-tiled and vinyl-lined pools
- Widths and heights are customized to suit any pool requirements



Figure 1. 500kg load cell tests SwimWall skin durability

2. Built-in safety features

A SwimWall System from S.R.Smith is built with safety in mind for both swimmers and facility staff. For swimmers, when the wall is submerged and not in use, it sits flush on the pool floor out of the way and maintains the lane line markings without obstruction. When the wall is raised and in use, it is vertical and very rigid, allowing swimmers to make lane turns. There is ample space between the pool floor and the bottom to prevent anyone from becoming trapped. For facility staff, filling the SwimWall with air to take advantage of buoyancy eliminates physically strenuous activity that would otherwise be necessary to right the wall. Lifeguards stationed at the wall will appreciate its narrow design and the gaps at the bottom of the wall, both of which allow easier line of sight and unobscured views.

Key Safety Designs:

- SwimWall is easily visible whether raised or lowered because of its high-contrast materials.
- When vertical and in use, the opening between the bottom of the SwimWall and the bottom of the pool is large to minimize the risk that swimmers become trapped (Figure 3)
- Lifeguards stationed at the wall can maintain easy line-of-sight due to narrow wall width and gaps between the bottom of the wall and the bottom of the pool.
- Rigid design and build structure holds the wall's shape and sidewall anchors prevent unwanted or accidental movement.



Figure 2. Non-strenuous operation

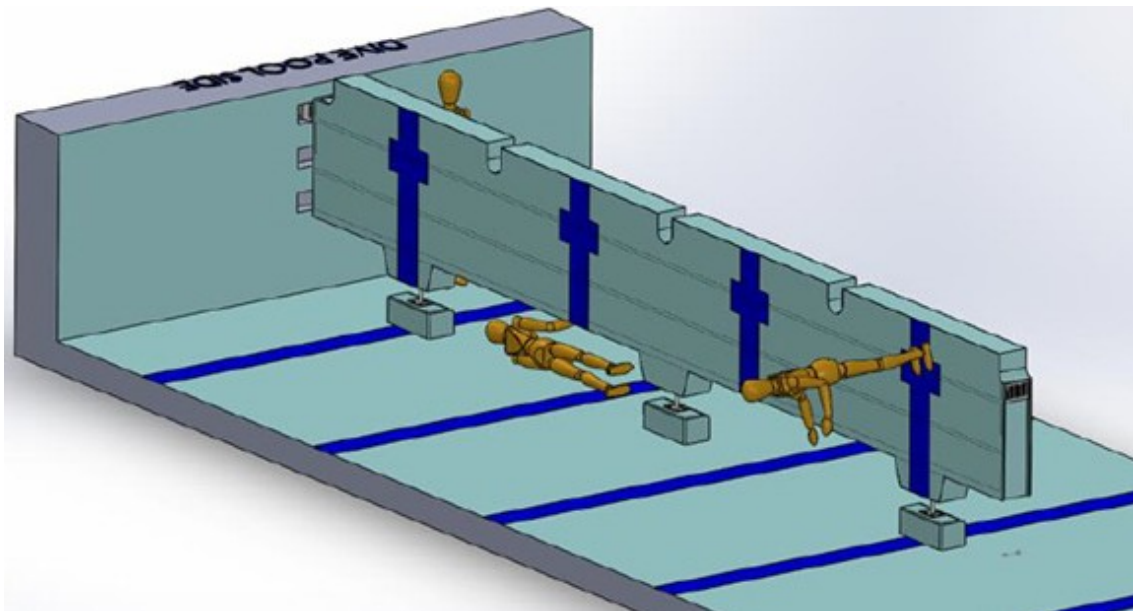


Figure 3. 5' 6" adult modeled in a 1.65m deep pool (line of site)

- SwimWalls, while in the down position, sit completely flush on the bottom of the pool limiting the possibility for any child or adult to get underneath the sections. (Figures 4 and 5)
- Due to the size and build of the SwimWalls, when in the down position, they are too heavy to lift off of the floor with natural human effort (e.g. a three-lane section of SwimWall would weigh in excess of 1,300 lbs. dry which is more than 300 lbs. in the water).

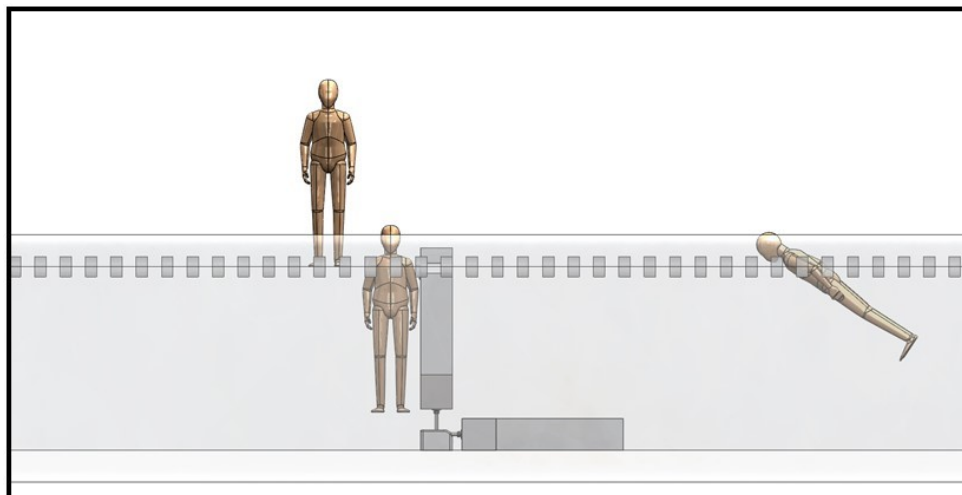


Figure 4. SwimWall laying flush on pool bottom (illustrated).



Figure 5. SwimWall segment lowered to pool bottom.

S.R.Smith SwimWalls are a custom-built, unique way to increase programming opportunities in a facility's pools. With proper training, signage, and operation, the SwimWall System will function properly and safely for many years.

3. Operational safety considerations & training

As the SwimWall has a unique design for each facility, it is important that each facility provide individualized use and safety instructions and warnings to its swimmers and staff. S.R.Smith assists facilities in creating facility-specific procedures and warnings.

Each facility receives a regiment of on-site training, support documents, and best practices that are derived from S.R.Smith's existing customers. Starting with on-site staff training during the installation process and continuing with online resources, S.R.Smith provides the tools needed for the facility and its staff to confidently understand the use and maintenance of the SwimWall System.

Key Safety Protocols:

- On-site training by S.R.Smith staff during installation
- S.R.Smith custom-built owner's manual detailing key operations when moving the SwimWall unique to each facility.
- Online library of training videos
- Facility developed operations and ongoing training programs
- Access to contact information for other facility managers with SwimWalls installed



Figures 6 and 7. Staff training at commissioning



4. Example Safety Warnings and Instructions

This is not a comprehensive list of warnings for the S.R.Smith SwimWall

This section includes a subset of warnings provided to purchasers in other documents, including the Instruction Manual. As noted below, some of the warnings are directed to the facility and some are directed to swimmers.

Facility:

- The facility must display safety signage that alerts swimmers to the wall, safety policies, and altered depths when wall is on the pool floor. (See Figure 5 below)
- The pool must be emptied of swimmers before raising or lowering the Swim Wall.
- Facility staff must ensure that the area around the SwimWall is clear before raising or lowering the SwimWall.
- Two lifeguards are necessary to move the wall. One lifeguard is responsible for changing the position of the wall, and the other watches to ensure no swimmers enter the area during the change.

Swimmers:

- Do not attempt to swim under the SwimWall.
- Do not place any objects on the pool floor near the SwimWall or on top of the SwimWall itself.
- Do not attempt to walk across the SwimWall while it is locked and vertical.
- No diving or jumping into the pool near the SwimWall.



Figure 8. Signs, barriers, patrols