

Self-Closing Flood Walls

This unique patented design, allows for automatic response to rising waters without any human intervention for placement. An excellent choice for protection needed due to flash flooding. The Self-Closing Floodwall stores itself recessed into the ground. During flooding conditions, it rises into position without any outside support (human, electricity, or other power).

Its modular design allows for continuous length installations and various protective heights. The SCFW has a flush sill assembly when in the stored position, allowing for pedestrian or vehicle traffic.



Application Use

- Full Perimeter of a Facility
- Additional Dyke Protection
- Walk Door
- Sectional Door
- Retaining Wall
- Driveway
- Storefront
- Loading Dock Ramp

Quick Product Facts

- Mild Steel, Stainless Steel or Aluminum
- Compression Seal – NO Compressed air for activation
- No electricity required for activation
- Vehicle Loading Available

Product Benefits

- Flush Sill
- Always in Place
- No Human intervention required in times of flooding
- Ideal for Flash Flooding

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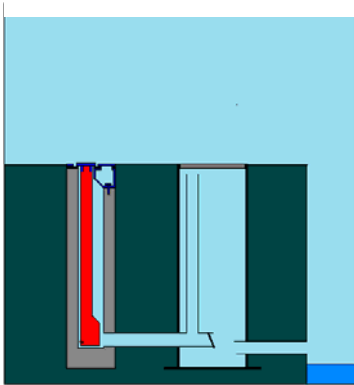
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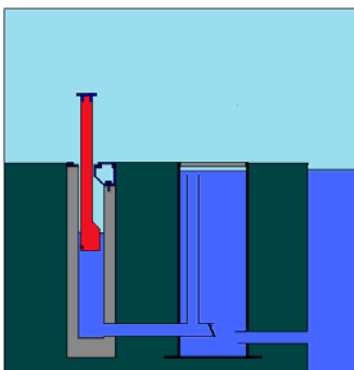
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Proactive Flood Protection

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- **No warning system** or warning time required - the SCFB rises instantly through the rising water level.
 - **No manpower required** - the SCFB is not energy driven and operates without any human intervention.
 - The SCFB system offers full protection to **commercial and residential** communities as long as necessary or required.
 - The SCFB system remains **virtually maintenance free** for a time length of many years.
 - In resting position, the barrier is **invisible** and fully self protected.
 - **The best price/performance comparison**
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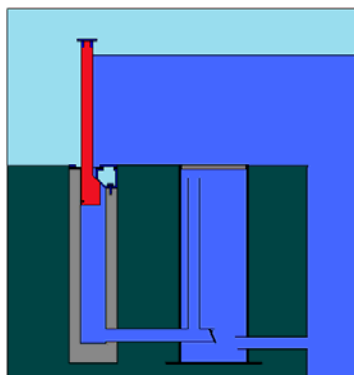
Working Principle



Once the SCFB has been installed, the floating entrenched wall consisting of polyester is practically invisible under normal water level conditions. On top, a stainless steel lid locks in the entrenchment space under same normal conditions.



Once the water rises to approximately 10 cm beneath the flood level, the basin of the Barrier fills up through a filling-pipe in a pit. The polyester wall rises and floats. As soon as the basin is totally filled, the closing surface will lock the Barrier waterproof.



Now the water can rise further without flooding the protected area.

Once the water level subsides to a normal level, the basin is drained through a drain pipe with one way check valves or by means of a pump. Once the water has left the basin, the wall returns to its resting position within the basin. The lid on top of the wall then closes to prevent the inflow of waste or debris.
