

# DYNAMIC FLOOD SOLUTIONS



## HYFLO SCFB™

### SELF CLOSING FLOOD BARRIER

Developed in Holland, the ingenious HYFLO Self Closing Flood Barrier SCFB™ is a unique flood defense system that effectively protects property from floodwaters and requires no manpower whatsoever for effective deployment.

This award-winning system automatically deploys a buoyant floodwall from below grade to provide optimal protection against high water. The SCFB preserves a building's aesthetics and requires no valuable space. It can be built into a permanent floodwall or levee, as well as any opening in a building or facility.

#### COMPLETE FLOOD PROTECTION — NO NOTICE REQUIRED!

The SCFB is ideal when flood protection cannot be dependent on a person being available in times of need. The barrier rises instantly with floodwaters and is self-closing when high waters recede. If preferred, it can also be easily raised manually before a storm.

#### APPLICATIONS — THE SCFB AT WORK...

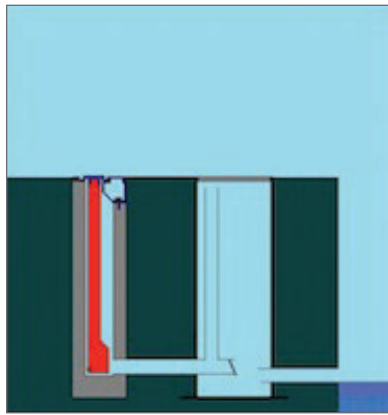
Since 1998, the SCFB has seen action around the globe in more than 2,000 floods with a 100% success record!

This system is ideal for perimeter protection against riverine or tidal flooding as well as for large openings in any critical or historically important facility. It is ideal for below-grade parking garages, public transportation applications, power plants, protection of roads, or in urban environments where there is no storage and a building's aesthetics cannot be compromised.

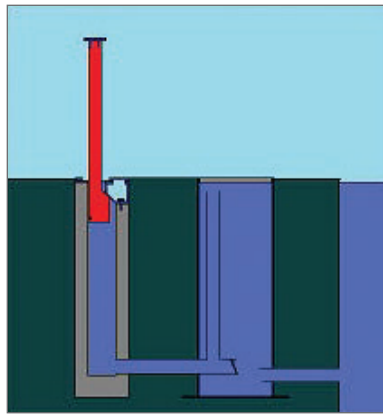
- ▶ **No Manpower Required** - automatically deploys
- ▶ Perfect solution when the aesthetics of a building can't be compromised
- ▶ Invisible when not needed
- ▶ In a flash flood situation deploys in under a minute
- ▶ Virtually maintenance free



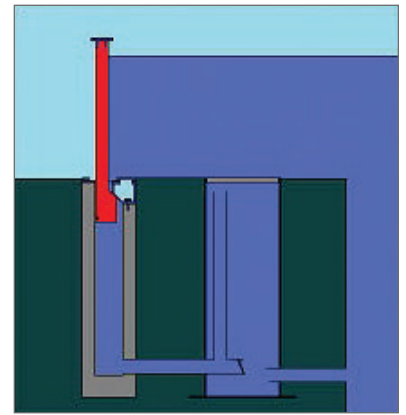
## HOW THE SCFB WORKS...



In storage position, all operational parts of the barrier are concealed in an underground storage basin. The basin is covered with a connected lid and is flush to adjacent ground.



When floodwaters rise, an inlet pipe fills the basin and the flood barrier floats and rises. When the basin is totally filled, an angled support block locks the barrier into watertight position.



The floodwaters continue to rise without flooding the protected area. When the water subsides, the basin drains using check valves and the barrier returns to its storage position.

PRODUCT SPECIFICATIONS		HYFLO SCFB™
Size	Custom built to match protection requirements.	
Floating Panels	PUR foam core with a fiberglass outer layer fabricated in standard 1-meter lengths, connected to form the overall length of wall.	
Seals	Long-lasting, durable gaskets.	
Basin	8 standard galvanized steel models from 1 to 8-meters in length. Includes a galvanized steel lid.	
Service Pit	Used when the SCFB basin is lower than the storm water outfall – also acts as a silt trap and houses a submersible pump for lowering water level post flood.	

### AVAILABLE OPTIONS

- ▶ **Polyester Basin:** For standard SCFB Door models (standard lengths 1.0m, 0.9m and 1.2m)
- ▶ **Prefab Concrete Basin:** Recommended for larger sizes; available in 2 meter sections, reinforced with steel.

### CUSTOM BUILT TO MEET YOUR REQUIREMENTS

Every HYFLO SCFB is custom built from shop drawings to ensure that it meets the special needs of your facility. The SCFB can be built to any required length.

SCFB flood barriers are designed with a minimum of 2:1 factor of safety based on material yield strength, and will provide an effective seal against the flood level for which it is designed.

**FOR MORE INFORMATION**

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