

SOLUTIONS THAT HOLD WATER




PS Flood Barriers®

POINT-OF-USE-STORAGE FLOOD BARRIERS

Flex-Gate® and Flex-Cover® flood barriers are constructed using a revolutionary combination of high-strength textiles and corrosion-resistant hardware. They can all be deployed quickly, and the point-of-use storage offered by these products is an important element in many flood protection strategies.



Formerly called the Flex-Wall®



Point-Of-Use
Storage



Quick
Deployment

FLEX-GATE®

Bottom Deploy (FGBD)

This is a high-strength fabric wall that deploys vertically, rapidly providing flood protection around and between buildings, across doors of any size or in front of glass.



Formerly called the Flex-Wall®



ANSI 2510
FM 2510
Tested*



Point-Of-Use
Storage



Quick
Deployment

FLEX-GATE®

Side Deploy (FGSD)

This product is made from high-strength fabric and deploys from the side. It can be installed around and between buildings, as well as across doors of any size or across window walls.

* Tested to the ANSI/FM 2510-2013 flood protection standard.



Point-Of-Use
Storage



Quick
Deployment

FLEX-GATE®

Stairwell (FGS)

A high-strength, dry flood-proofing closure that can be deployed rapidly for flood mitigation of tunnels, doors or portals of any kind. It can fit openings of any shape, size or orientation.



Point-Of-Use
Storage



Quick
Deployment

FLEX-GATE®

Portal (FGP)

This is a high-strength, flexible wall that can be deployed rapidly for flood protection of portals, road tunnels, vehicular entrances and other infrastructure.



Point-Of-Use
Storage



Quick
Deployment



100%
Customizable

FLEX-COVER®

Grate (FCG)

An economical and reliable method of dry flood protection for grates, this unit features a highly durable coated fabric cover that is built to withstand any water depth and shaped to fit any opening configuration. It can also be adapted for use on vertical ventilation shaft covers or louvers. Point-of-use-storage options are available, giving you the advantage of storing it directly beside the grate or nearby in our optional container.



Point-Of-Use
Storage



Quick
Deployment

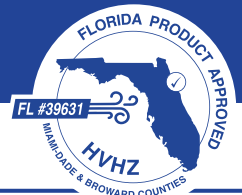


100%
Customizable

FLEX-COVER®

Resilient Tunnel Plug (FCTP)

This high-strength, inflatable device rapidly deploys to prevent flooding in a tunnel of any shape or size. It can also be used for other applications, including the prevention of flooding from top-down water events or to partition tunnels to prevent the movement of smoke, chemical/biological agents or people. It has been validated via testing in a 16.5-foot-diameter representative rail tunnel against a 30-foot water head pressure challenge.



PASSIVE FLOOD BARRIERS

HYDRO1®



Ease Of Install



Low Leakage



ADA Compliant

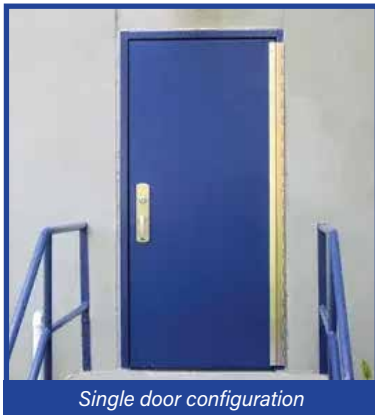


Independent-Party
Validated



Fire Rating

Hydro1® Flood Doors are the most progressive products in the passive flood-protection market, serving as both flood-protection barriers and normal-use pedestrian doors. Always in place, the Hydro1 is a purpose-built flood door, not to be confused with repurposed hollow metal doors that fail to meet flood codes. Hydro1 Flood Doors feature the lowest leakage rate in the industry, with a unique, one-piece perimeter gasket that creates a watertight seal without risking damage from users. The Hydro1 model has been certified to withstand 8 feet of water pressure, while the newly introduced Hydro1-XFL has achieved FM Approvals certification for an unprecedented 30 feet of water pressure. All doors are 100% customizable in single or paired configurations. Select configurations have passed Florida Product Approval testing, including approval for the High Velocity Hurricane Zone (Miami-Dade and Broward counties), and are ADA compliant.



Single door configuration



Paired door configuration



Hydro1® door shown with required FM XFL FACE OVERLAP FRAME for 30' of water testing.

- 50% less leakage than the ANSI/FM Approvals 2510-2020 4.3.3 standard; hardware included
- Tested to 3-, 8-, 20- and 30-foot water protection heights

FM CERTIFIED FLOOD DOORS

The FM APPROVED mark instills confidence in the marketplace by certifying quality, technical integrity and product performance. These Hydro1 products have been certified by FM Approvals.



Always In Place

Product	Configuration	WPH FT	90-Min Fire Rating	Florida Approved	FM Approval
Hydro1-PD520	Single	8*	No	Yes**	Yes
Hydro1-PD520	Paired	8*	No	Yes**	Yes
Hydro1-PD520-XFL	Single	30*	No	Yes**	Yes***
Hydro1-PD522	Single	8*	Yes	Yes	Yes
Hydro1-PD522	Paired	8*	Yes	Yes	Yes
Hydro1-PD522-XFL	Single	30*	Yes	Yes	Yes***
Stock Hydro1	Single	8*	Yes	Yes	Yes

*Water protection height is dependent not only on the door itself, but also on the supporting wall structure and overall load conditions. Performance values may vary based on the specific application and installation conditions.

**Fire latch is used on non-fire doors.

***FM XFL requires a face overlap frame.

Note: The certifications shown above apply only to door configurations that have been tested and certified in accordance with the applicable standards. For projects with unique opening sizes, loading conditions or performance requirements outside the scope of those certifications, PS Industries can evaluate and engineer a custom solution tailored to the specific project needs.

IN-STOCK HYDRO1® FLOOD DOORS



The in-stock Hydro1 Flood Door is a standard 3'x7' door panel and is sized to fit openings 40" to 41-1/2" wide and a minimum of 86" tall. It is a single-configuration pedestrian door with a right-hand reverse or left-hand reverse option.

*Limited to stock on hand



**Ships In 3 Days
Or Less ***

HYDRO1 FLOOD DOORS FOR MECHANICAL ROOMS



This door is specifically designed to protect electrical rooms, boiler rooms, wastewater pump stations/treatment plants and emergency backup generator rooms. Available in mild steel, stainless steel or aluminum construction, this active flood barrier includes all the same features as the Hydro1 flood door, but it requires human interaction to latch it.

PASSIVE FLOOD BARRIERS (CONTINUED)



AQUATRIGGER®

Automatic Flip-Up Flood Barrier (BH-590)

This pivotal flood protection solution self-stores flush with a walk/drive surface. It is AASHTO H-20/HS-20 load rated for large truck traffic, and if flooding occurs, the water's hydrostatic pressure causes the barrier to automatically pivot up, providing water protection up to 8 feet in height. In addition to being passively activated, this barrier can also be manually or electronically deployed.



Self-Stores,
Pivots Open



Independent-Party
Validated



Point-Of-Use
Storage



AQUATRIGGER®

Self-Closing Flood Barrier (SCFB-570)

This unique design allows for a passive response to rising waters, protecting your facility from dangerous flooding. When flooding occurs, the barrier rises into position without human intervention, electricity or power. This barrier is triggered by the hydrostatic pressure of rising floodwater.



Self-Stores



Always In Place



Point-Of-Use
Storage

ACTIVE FLOOD BARRIERS



Stackable Planks
Install Quickly



Tested*



100%
Customizable



Independent-Party
Validated



HYDRODEFENSE® (FP-530)* *Flood Plank™* (FP-535)

Available in two models, the HydroDefense® Flood Plank™ system provides flood protection in vertical increments of 6-inch (model FP-530) or 8-inch (model FP-535) planks. They are used by stacking planks on top of one another to build a watertight barrier. The FP-530 is ideal for medium flood loads (up to 8' high), while the FP-535 is ideal for heavier flood loads (up to 20' high).

*Tested and approved to the ANSI/FM 2510-2020 flood protection standard.



100%
Customizable



Quick
Deployment



Point-Of-Use
Storage

HINGED FLOOD BARRIER (Single HSS-550, Paired HSP-555)

This flood barrier is designed specifically for the height of water protection that you require. It is available in a single or paired swing configuration. It is similar to a swing door and is permanently installed at the opening.



100%
Customizable



Quick
Deployment



Point-Of-Use
Storage

VERTICAL LIFT FLOOD BARRIER (VL-580)

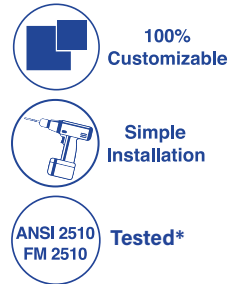
This unit provides powerful flood protection designed for unique opening applications. It is perfect for flood-proofing in areas where conventional swinging, sliding or lift-out barriers will not work.

ACTIVE FLOOD BARRIERS (CONTINUED)



SLIDING FLOOD BARRIER (HS-560)

This flood protection barrier is designed specifically for the height of flood protection you require. The barrier simply slides horizontally into place to cover your opening. It's stored at the opening for fast deployment during flooding conditions.



LIFT-OUT FLOOD BARRIER (LO-510)

A rugged water stopper, this barrier provides flood protection at the time of need. This barrier is installed in flooding conditions or stored away from the opening when flood risk is low.

**Tested to the ANSI/FM 2510-2013 flood protection standard.*



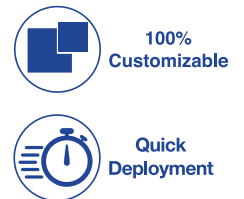
EzDam (EZD)

EzDam®

Available in two models, the EzDam® system is an excellent alternative to heavy and messy sandbags. Simply latch the barrier to the jambs in front of your door opening. It deploys in just 30 seconds. The new EzDam XL is the big brother to our easy-to-use, liftout EzDam. It's ideal for larger openings like double doors, retaining walls and storefronts.



EzDam XL (EZD-XL)

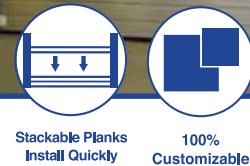
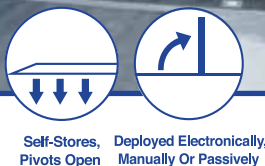


LOUVER COVER FLOOD BARRIER (LC)

This barrier provides fast flood protection to prevent floodwaters from entering through louvers/windows of any size. It can be deployed quickly by one person. It's available in three-sided-frame and four-sided-frame configurations. The three-sided configuration provides protection up to the top of the louver, and the four-sided option is ideal for circumstances where floodwaters are expected to reach levels above the louver.

SPILL CONTAINMENT BARRIERS

Spill containment barriers from PS Flood Barriers are excellent for industrial applications where spills can become a hazard. Our AquaTrigger Barriers, EzDam and Plank Systems are custom designed to prevent water, chemical spills or sprinkler releases from spreading throughout your facility or harming the environment.



HATCHES



FLOOD HATCH (FH-540)

This Flood Hatch is always in place, protecting underground utilities, tunnels and subway systems from flooding.



Self-Stores,
Pivots Open



Always In Place

GROUND VENT & VENT BASIN



AQUATRIGGER®

Ground Vent (AGV-720)

This innovative flood protection product automatically stops vents from causing flooding to transportation tunnels, utility corridors, mechanical rooms and subway pedestrian crossings. This passive flood protection requires no power and little maintenance, keeping critical infrastructure safe from flooding for the long term.



100%
Customizable



Requires
No External
Power Source



AQUATRIGGER®

Vent Basin (AGV-710)

The AquaTrigger Vent Basin serves as a companion solution to the Ground Vent. It allows for ventilation while collecting and directing rainwater and minor flooding into the drainage system without requiring electrical power.



100%
Customizable



Requires
No External
Power Source

Flood Concerns Shouldn't Erode Your Confidence

At PS Flood Barriers®, we learned about the incredible power of water firsthand during the Red River's devastating flood of 1997 in our hometown of Grand Forks, North Dakota. In fact, our team evolved in response to several catastrophic floods in our area.

You can trust PS Flood Barriers to keep your facility dry, even when the waters rise outside.

State-of-the-Art Manufacturing – PS Flood Barriers' products are built in an ultramodern, 180,000-square-foot facility that includes in-house engineering, design, manufacturing, extensive testing capabilities, and research and development.

FM/ANSI Approval – Several of our products meet the FM/ANSI 2510 standard, and many items have attained Level 3 Platinum status through the National Flood Barrier Testing and Certification Program in partnership with the U.S. Army Corps of Engineers, FM Approvals and the Association of State Floodplain Managers.

Customization – We understand that every flooding situation is distinct, and we can manufacture custom flood protection, even for unique applications.

ISO Certification – Our company is ISO quality management certified, ensuring that we consistently meet the quality and regulatory standards needed to protect your most important assets.



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