



## FB77

### Hinged Flood Door with Pneumatic Seals

This heavy-duty flood door is ideal for building openings, mechanical rooms, passageways and tunnels where a flush threshold and a full perimeter seal is required.

When floodwaters begin to rise, the FB77 is simply swung into place. Side bolts hold the door in place and dual pneumatic seals provide redundant protection.

Every FB77 is custom built to exacting dimensions for new or existing construction.

#### COMPLETE PERIMETER FLOOD PROTECTION IN A MOMENTS NOTICE

For fast, maximum flood protection of passageways and similar applications, the FB77 Flood Door is the ideal solution. The side-hinged aluminum panel swings effortlessly into place, and dual pneumatic seals are easily and quickly inflated to fully seal the opening.

#### APPLICATIONS — THE FB77 AT WORK...

The FB77 is perfect for utilities, nuclear power plants and industrial tunnels and passageways that must be fully sealed during a high-water event. If valuable equipment or infrastructure is exposed in the event of flooding, the FB77's hinged gate and pneumatic seals will provide efficient and superior flood.

- ▶ Deploys in a moments notice by one person
- ▶ Provides watertight seal on all four sides of door
- ▶ Dual inflatable seals provide redundant protection
- ▶ Appropriate for either new or existing construction



*Bert Gumeringer, Dir. of Facilities/Operations and Security at Texas Children's Hospital shows FEMA Dep. Administrator Rich Serino the operations of a Presray FB77 "submarine door" in the tunnel system under the Texas Medical Center. Source: FEMA/Earl Armstrong 2012.*

## PRODUCT SPECIFICATIONS

# FB77

<b>Size</b>	Custom built to match protection requirements
<b>Panel</b>	6061-T6 aluminum plate
<b>Conversion Frame</b>	Low-carbon steel (stainless steel optional)
<b>Seals</b>	Presray pneumatic-seal technology
<b>Hardware</b>	<b>Hinges:</b> Presray 6-way adjustable hinges for panels over 24 sq. ft. heavy-duty low friction hinges for panels 24 sq. ft. and under. <b>Latches:</b> Slide bolts to hold panel in closed position
<b>Finish</b>	Bright aluminum finish for panel. Conversion frame primed.

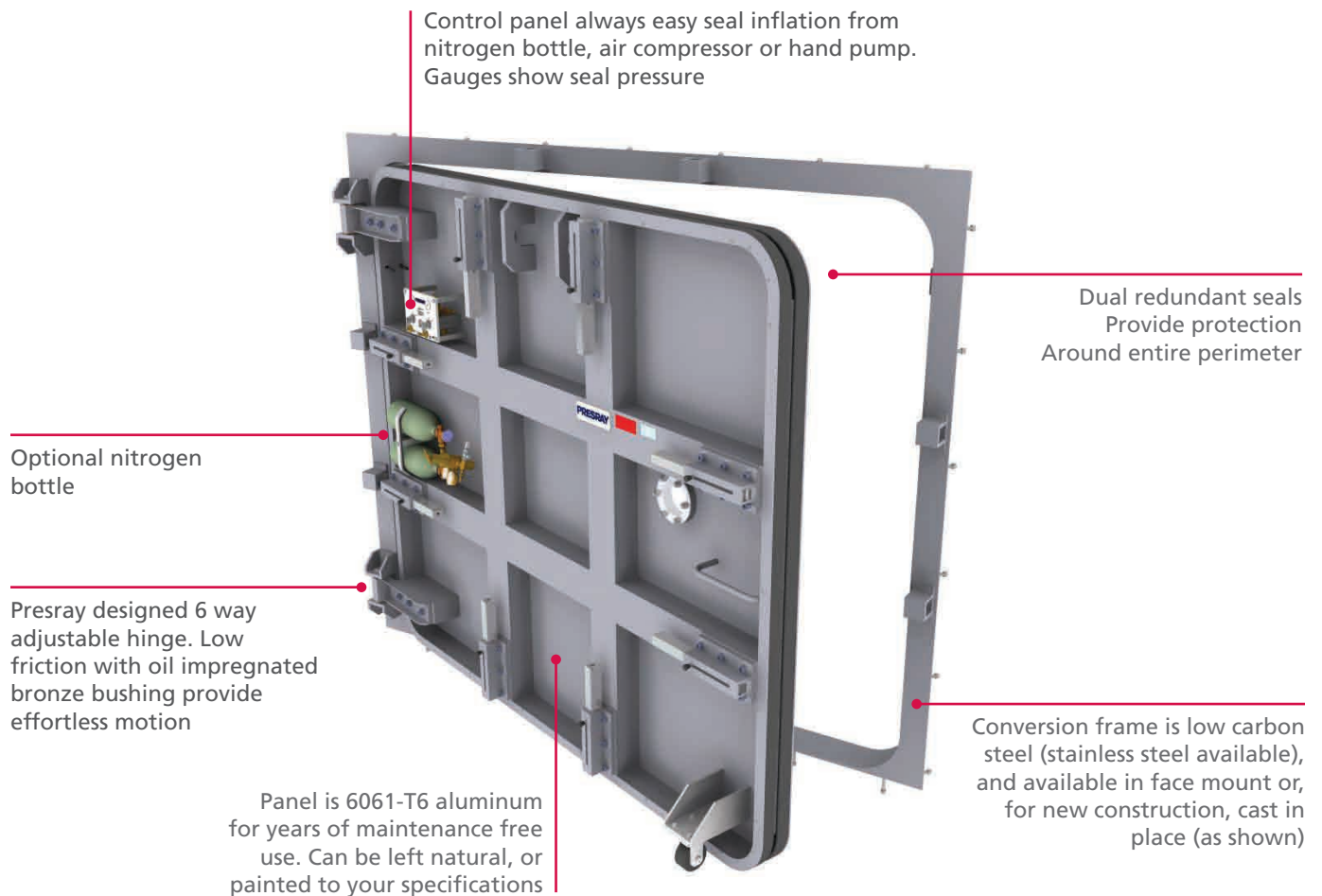
## AVAILABLE OPTIONS

- ▶ Stainless steel conversion frame
- ▶ Air Source: hand pump, compressed air tank, nitrogen inflation system or portable air compressor
- ▶ Automated control systems

## CUSTOM BUILT TO MEET YOUR REQUIREMENTS

Every FB77 Floodgate is custom built from shop drawings to ensure that it meets the special needs of your facility.

Gates 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

845.373.6700 ■ [www.presray.com](http://www.presray.com) ■ [contact@presray.com](mailto:contact@presray.com)