



### FlexaPRISM Dams - Rapidly-Deployable Flood Protection

- Coastal Innovations provides durable, dependable, Made-In-USA inflatable Dam Systems to quickly and effectively protect your property and assets from the onset of flooding.
- Dams are a reusable, water-filled bladder technology as an alternative to sandbags, which are more expensive and labor and time intensive to deploy.
- Dams are heavy-duty and UV and mildew-resistant.
- Dams connect to create a protective barrier for any required length, in any shape.
- Dams rapidly installed with minimal manpower and no heavy equipment: a 50-linear foot section (with 30" wide base and 27" height) fills in approximately one hour.
- Once flood water has receded, Dams drain and roll-up for easy storage.



FlexaPRISM

**VERSUS**



Sandbags

FlexaPRISM Dams are deployed and begin filling within minutes. To rapidly protect property and assets from flooding, simply:



1 Roll out



2 Arrange in position



3 Pump with air



4 Pump with water

### Applications and Specifications

FlexaPRISM Dams can be deployed for a wide-variety of flood protections including:

- Personal residences and possessions
- Businesses and assets
- Driveways
- Garages
- Public parks
- Golf courses
- Roadways
- Airports

#### Specifications:

Dams are available in the following dimensions (when filled):

**FP30:** 30-inch wide base and 27-inch height

**FP48:** 36-inch wide base and 48-inch height

**FP60:** 60-inch wide base and 54-inch height

**Material:** vinyl-coated, PVC material with requisite warp/tear strength and product flexibility

**Inlets/Drain Valve:** two threaded 1<sup>1/2</sup>-inch inlets and two 1<sup>1/2</sup>-inch drain valve, which allows for drainage away from Protection Zone

**No anchoring required and Installation Manual provided**

**Pumps and hoses provided in System order**

To purchase FlexaPRISM or receive more information about our company and products, please contact us via phone, email, or web.

585-353-4109 \* [info@coastalinnovations.us](mailto:info@coastalinnovations.us) \* [www.coastalinnovations.us](http://www.coastalinnovations.us)



## FlexaPRISM Dams - What Is The Right Size Dam For Me?

Coastal Innovations provides durable, dependable, Made-In-USA inflatable Dam Systems in different sizes and lengths to accommodate your flooding-prevention needs. Options include:

1. **FP 30'20**: features 30-inch wide base and 27-inch height protection in 20-foot long sections
2. **FP 30'50**: features 30-inch wide base and 27-inch height protection in 50-foot long sections
3. **FP 48'20**: features 36-inch wide base and 48-inch height protection in 20-foot long sections
4. **FP 48'50**: features 36-inch wide base and 48-inch height protection in 50-foot long sections

*Should you require flood protection above 48-inches, please contact us for additional solutions.*

### The following questions may be useful in determining the appropriate height and width of your Dam:

- Has flooding previously occurred? Where and how high was the highest waterline?
- What is the width of the surface on which the Dam will be deployed?
- What historical flooding information and/or guidance does my county's Office of Emergency Management provide?
- Are flooding patterns projected to be worse than they have been in the past?

### How to accurately measure Protection Zone:

#### If Protection Zone is a straight line:

1. Place markers at either end of the Protection Zone and measure the length of area you plan to protect with a tape measure.

#### If Protection Zone bends around corners:

1. Place markers in straight line across front of Protection Zone, extending beyond the corner, and tape measure;
2. From one corner marker, place another straight marker and tape measure; and
3. Repeat as many times as necessary and all straight lengths for total Protection Zone length.

**OR**

1. Visit [www.mapdevelopers.com](http://www.mapdevelopers.com);
2. Select "Area Calculator" under "Map Tools" option across the toolbar;
3. Enter your address into search box and hit "enter";
4. Using the zoom function, zoom in on your property;
5. Select "Draw New Area" and map the perimeter of Protection Zone.

### Workspace:

#### If total length of Protection Zone is under 50-feet:

- Divide length by 20. The whole number remaining is the number of 20-foot sections required. Remaining fractions or decimals indicate that either the Protection Zone will need to be slightly shortened during deployment or that an additional section is required for the Protection Zone.

**Total Length of Protection Zone:** \_\_\_\_\_

**Divided by 20 (# of sections required):** \_\_\_\_\_

#### If total length of Protection Zone is more than 50-feet:

- Divide length by 50. The whole number remaining is the number of 50-foot sections required. Remaining fractions or decimals indicate that either the Protection Zone will need to be slightly shortened during deployment or that additional 20-foot sections are required for the Protection Zone.
- If additional 20-foot sections are required, determine amount required by dividing remaining Protective Zone length by 20.

**Total Length of Protection Zone:** \_\_\_\_\_

**Divided by 50 (# of sections required):** \_\_\_\_\_

**Additional 20-foot lengths required:** \_\_\_\_\_

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