Portable Self Rising Water Dam
Portable Self Rising Water Dam

- Controls & redirects water
- Easy to use, deploy, store & transport
- Lays out flat & then self-rises with the flow of oncoming water
- Durable, flexible & conforms to any surface
- Built in weights provide stability & prevents rolling
- Units connect for unlimited lengths
- Flood protection from 6in to 5ft high
- Clean, dry, fold & store for reuse, lasts for years
- Use in extreme temperatures

The 4:1 ratio: The vertical thrust exerted on the bottom ground sheet is four (4) times stronger than the horizontal thrust.

Quickly rolls out, turns corners, is flexible & follows landscaping. Connect multiple units together for unlimited length.

How it Works:
1. Unroll barrier in path of water
2. Unfold barrier so red weights are facing oncoming water
3. Create any corners necessary
4. Lay sandbags down over uneven surfaces
5. Set up pumps on the side of the barrier to direct rain water, seepage or run off back out
6. Wait for water to arrive

For more detailed instructions visit:

FM Approved Models:
QDWGW-3930, QDWGW-3950, QDWGW-5030, QDWGW-5050, QDWGW-6030, QDWGW-6050
Deploy hundreds of feet of Water-Gate in minutes.

Storage & Deployment

- Smaller single units come complete in carrying bags & wraps for storage
- Storage & deployment crates:
  - Stores several pre-connected units ready for quick deployment
  - Requires minimal labor
  - Available in wood or metal
  - Fork lift accessible or with wheels
  - Custom colors & art available

Inside a fast deployment crate
Benefits & Main Features

- **Replaces thousands of sandbags**
  (1) 26in x 50ft Water-Gate replaces 1075 sandbags (34,000 lbs of sand)

- **Minimal labor and tools needed to deploy**
  This unit is so easy to deploy it can take as little as 2 people & some sand bags. That’s it. No special tools needed.

- **Reusable for many years**
  Constructed from a durable PVC, the Water-Gate is built to stand even the worst conditions. This unit can be reused for 20+ years.

- **Flexible enough to bend and curve around any corner**
  Units can bend around corners & conform to any surface.

- **Used as effective method of flood CONTROL in 36 countries**

- **Over 145,000ft (44,196m) sold worldwide**

- **Can be used on land or in a body of water**

- **Efficient Protection**
  Water-Gate dams provide efficient protection up to 1.5 meters (60in.)/large scale deployment.

- **Compact & Lightweight**
  Minimal bulk & storage requirement.

- **Can be driven over**
  As long as the vehicle’s clearance is higher than the immediate level of damming.

- **High benefit to cost ratio**

Tips & Tricks

- **Lifting & securing the ends, helps seal the edge against water infiltration**

- **Units can be joined together to achieve desired length**

- **Corners are created to go around turns, buildings & obstructions**

- **Place objects to raise Water-Gate to dry out, prior to storage**
**Additional Information**

**WAVE TEST PERFORMED BY US ARMY CORPS OF ENGINEERS**

Water-Gates, manufactured by MegaSecur, have gone through rigorous testing with the US Army Corps of Engineers which resulted in an FM Approval Certification. **Testing** also demonstrated that it was the only flood perimeter product tested that passed with no damage to the product itself, so no repairs were needed after use.

**Environmental Footprint**

Water-Gate products are manufactured with material that can be recycled, decreasing the environmental impact.

**Ground Sheet & Retention Tarp**
- PVC Coated Polyester: 4%

**Holding Partitions**
- Polyethylene Fabric: 13%

**Ballast**
- Steel Plates: 26%

**The sewing thread & velvet strips (Velcro®)**
- Polyester: 4%

**Straps**
- Polypropylene: 2%
Flood Control/Flash Flood
Perimeter protection in the most efficient way.
Protect a large area in a short time.

Cofferdam
Protective flap prevents erosion during overflow of water, thus not altering the environment.
Emergency Response
Deploys quickly for rapid response. Used by fire departments, public works & search & rescue teams.

Spill Response
Holes are added to allow water to flow through, while collecting oil on the surface for easy removal.
Selection Guide
How to select the correct size & length of Water-Gate

1. Take any obstructions into consideration (pools, trees, sheds, garden, etc.)
2. You will need a clear path of at least 2ft (61cm) around the perimeter of the structure that is being protected.
3. A clear path will be required to place the Water-Gate into proper position. Use chart (next page) to determine the amount of space needed, depending on the height selected.
4. Use red line for measuring to determine overall length needed.
5. Multiple pumps are required to pump rain & seepage water away from the back end of the Water-Gate due to rain, seepage & downspouts.
6. Corners can be created by folding unit properly. Curving Water Gates around bends will maximize length of unit.
7. Different heights can be joined based on height of flood concerns.
8. Direction of water concern.

Location of Protection
The Water-Gate system allows a complete or partial perimeter type of protection by holding back the flood water at a distance from walls rather than protecting individual openings.

Sectional protection - Set up between two walls or dikes/mounds

Semi perimeter protection - Set up with angles or on a sloped terrain

360° protection - Complete on all sides - Both extremities (ends) joined together
How To Determine Required Length

1. Select height of protection needed
   a. Height can vary based on landscaping- hills, slopes, & water flow concerns
   b. Take into consideration lowest point of property line as water will gravitate here

2. Review chart below for distance required for placement of Water-Gate

3. Walk a clear path around perimeter to review any obstructions
   a. Increase length as needed to avoid any obstructions or creating corners

4. Measure red line ( ) distance to determine overall length. (See image on previous page)
   a. Connecting edge joints need to be at least 5ft (1.5m) away from corners

Remember to Use Water Pumps:

Any water collecting between the building and the Water-Gate needs to be evacuated by pumps.

Things that can affect the quantity of water behind the barriers are:

- Seepage rate of the barrier when full, approximately 0.5-0.7gpm / ft (inside edge)
- Unpredictable volumes of rain
- Review gutter drainage & make plan to redirect that excess water over the other side of the Water-gate
- Factors affecting the layout of the terrain. ie: gravity, slopes, hills, etc.
## Sizes Available

### WATER-GATE (WL) ON LAND

Pre-Attached Weights at front of unit.

<table>
<thead>
<tr>
<th>WATER-GATE (WL)</th>
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<tbody>
<tr>
<td>Part #</td>
<td>Size</td>
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</tr>
<tr>
<td>QDWSGL-0630*</td>
<td>6in x 30ft / 15cm x 9.1m</td>
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<tr>
<td>QDWSGL-1430*</td>
<td>14in x 30ft / 35.5cm x 9.1m</td>
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</tr>
<tr>
<td>QDWSGL-1450*</td>
<td>14in x 50ft / 35.5cm x 15.2m</td>
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<tr>
<td>QDWSGL-2030*</td>
<td>20in x 30ft / 50.8cm x 9.1m</td>
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<tr>
<td>QDWSGL-2050*</td>
<td>20in x 50ft / 50.8cm x 15.2m</td>
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</tr>
<tr>
<td>QDWSGL-2630*</td>
<td>26.5in x 30ft / 67cm x 9.1m</td>
<td></td>
</tr>
<tr>
<td>QDWSGL-2650*</td>
<td>26.5in x 50ft / 67cm x 15.2m</td>
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<tr>
<td>QDWSGL-3230</td>
<td>32in x 30ft / 81cm x 9.1m</td>
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<tr>
<td>QDWSGL-3250</td>
<td>32in x 50ft / 81cm x 15.2m</td>
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<td>QDWSGL-3930</td>
<td>39in x 30ft / 1m x 9.1m</td>
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<td>QDWSGL-3950</td>
<td>39in x 50ft / 1m x 15.2m</td>
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<tr>
<td>QDWSGL-5030</td>
<td>50in x 30ft / 1.3m x 9.1m</td>
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<tr>
<td>QDWSGL-5050</td>
<td>50in x 50ft / 1.3m x 15.2m</td>
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<tr>
<td>QDWSGL-6050</td>
<td>60in x 50ft / 1.5m x 15.2m</td>
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*Stock

### WATER-GATE (WA) IN WATER

There are no weights at front for easier deployment in moving water. Anti-Erosion flap on back side prevents erosion while water is overflowing.

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<td>Size</td>
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</tr>
<tr>
<td>QDWSGWA-1525</td>
<td>15in x 25ft / 38cm x 7.6m</td>
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<tr>
<td>QDWSGWA-1550</td>
<td>15in x 50ft / 38cm x 15.2m</td>
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<tr>
<td>QDWSGWA-2130</td>
<td>21in x 30ft / 53.3cm x 9.1m</td>
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<tr>
<td>QDWSGWA-2150</td>
<td>21in x 50ft / 53.3cm x 15.2m</td>
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<td>QDWSGWA-2825</td>
<td>28in x 25ft / 71cm x 7.6m</td>
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<td>QDWSGWA-2835</td>
<td>28in x 35ft / 71cm x 10.7</td>
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<tr>
<td>QDWSGWA-2850</td>
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### Water-Gate Overflow Diverter

Designed to channel excess overflow in controlled manner. Water will flow through the tunnel & can be directed as needed. Capable of flowing 1440 gal/min
A few Great Customers

**nationalgrid**

Following Hurricane Sandy, National Grid’s US Flood Mitigation Team reviewed options to set-up a flood prevention plan for future concerns. 6 substations were of concern in a small area where product could be shared amongst them in times of need.

**National Grid Criteria:**
- A fast deployment system
- Retention height of 5ft (1.5m)
- Minimal staff required for deployment
- Compact & easy storage
- Provided product knowledge & training

**Result:**
National Grid purchased & was trained on how to use almost 1,500ft (457.2 m) of 60in x 50ft (1.5m x 15.2m) largest Water-Gate barriers. Supplied in crates for easy deployment.

**Montréal**

Montreal is an island in Canada surrounded by the St. Lawrence River which has swelled on occasion & caused many flood events. The City stocks several heights of Water-Gates to manage this flood control.

**Pratt & Whitney Canada**

Pratt & Whitney Canada is a world leader in the design, manufacture and service of aircraft engines powering business, general aviation and regional aircraft and helicopters. The security measures department purchased over 750ft (230m) of the Water-Gate flood control system to protect their factory located in St-Hubert, QC, Canada.

**Chevron**

Chevron, located in Houston, TX experienced catastrophic damage in 2017 by Hurricane Harvey, where they were inundated with 51” of rainfall in a short amount of time. Loss of equipment & downtime led them to choose 1200ft Water-Gate. We performed an on-site evaluation & full deployment training with key staff members.
PROTECTING
THESE INDUSTRIES

Government  Property Management  Construction  Universities  Hospitals  Janitorial  Hotels  Retail  Grocery  Residential

& MORE

Visit us at www.quickdams.com or call 888-761-4405