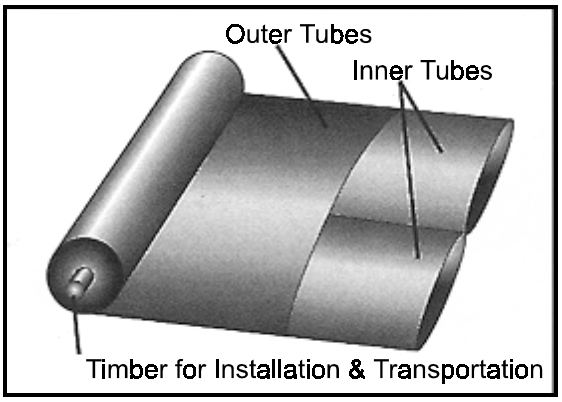
AQUADAM™

Technical Specifications



SITE SELECTION CRITERIA:

Several Items must be considered when choosing the proper Aquadam™ for the job. These include the depth and velocity of the water to be controlled, the projected maximum changes in water level and the slope of the site. Contact your approved Aquadam™ installer/distributor for assistance in selecting the optimum system for your specific application.

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Sizes:

Aquadams™ are generally defined by their size when properly filled. Each size is designed to retain a specific water depeth under normal site conditions.

Packing Information:

Aquadams™ up to eight feet in height are rolled for easy storage, transportaion, and deployment.

Custom Sizes & Materials:

Aquadams™ can be be custom made and delivered upon request!

INFLATED HEIGHT	INFLATED WIDTH	WEIGHT PER LINEAR FT. (EMPTY)	WEIGHT PER LINEAR FT. (FILLED)	GALLONS PER LINEAR FOOT	MAXIMUM WATER DEPTH
1 foot	24 inches	1.0 lbs.	105 lbs.	12.5	8 inches
2 feet	46 inches	1.5 lbs.	420 lbs.	50	18 inches
3 feet	68 inches	2.6 lbs.	1,130 lbs.	135	28 inches
4 feet	120 inches	4.0 lbs.	2,400 lbs.	290	36 inches
5 feet	140 inches	6.5 lbs.	4,100 lbs.	495	45 inches
6 feet	186 inches	9.0 lbs.	5,800 lbs.	700	54 inches
8 feet	282 inches	17.0 lbs.	11,000 lbs.	1,270	72 inches

SITE PREPARATION:

A careful review of the site and proper preparation are essential to the success of the installation!

Obstructions:

Any objects which separate the Aquadam™ from the ground can significantly reduce the effectiveness of it allowing water to pipe underneath. Also, any sharp objects should be removed from the site, as they may puncture the AquaDam™ .

Drainage and Grade: This is of cerncern too, so pay close attention to these details.

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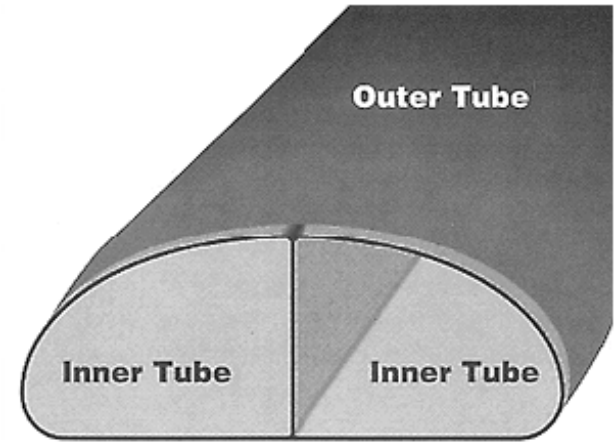

The AquaDam concept combines multiple inner tubes with an outer tube to provide an effective portable dam to control the flow of water.

DESIGN AND CONCEPT:

AquaDams™ are environmentally safe and specifically engineered to provide rapid deployment. They are stable barriers to contain, divert, and control the flow of water. Their unique, patented design consists of two basic components:

1. Multiple impermeable inner tubes which are filled with water to provide the mass needed for stability.

2. A strong, woven outer tube which contains the inner tubes and provides the structural integrity of the system.

MATERIALS:

All materials used to manufacture AquaDams™ are flexible, allowing them to obtain an effective seal between the ground and the dam, even if the terrain is not flat. Two or more AquaDams™ may be joined together to form barriers of any workable length. A coupling collar, manufactured from the same high-strength woven material as the outer tube, connects them, creating a continuous water-filled dam.

APPLICATIONS:

The unique combination of properties make AquaDams™ ideal for a wide variety of applications. A few of the more common uses include:

1. **Cofferdams to maintain water quality.**
2. **Water diversion during repairs on bridges, sewers, pipelines, and power plants.**
3. **Easy, rapidly deployed flood control.**
4. **Erosion control through diversion or containment of flowing water.**
5. **Temporary reservoirs for water storage.**
6. **Temporary containment of spilled materials.**
7. **Silt containment and sediment collection.**

SYSTEM TYPES:

The standard AquaDam™ system is filled from one end only via the two inner tubes. The closed end is fitted with a collar that allows two AquaDams™ to be linked together. Utilizing the linking collars allows the AquaDams to be customized to meet the individual needs of the job site.

The open-ended AquaDam™ system can be filled from either end. This system is appropriate when placing an AquaDam across a riverbed or canal where both ends can extend up onto the shore.