



# Specifications for Water Dump:

March, 2010

## **General Structure Design and Construction:**

The Water Dump is a structure that fills a large overhead trough with water. Water is slowly poured out of the trough by users pulling down on the dumping handle. The water dumping mechanism and water effect for this feature is designed for safe use. Feature standard height is 10'0" from mounting pad to top of water trough. Feature structure is mounted directly to thickened concrete pad designed by others. Feature flow rates can be adjusted to increase or decrease the rate in which the trough is filled. The manufacturer shall supply a complete structure package including: tubular support structure, water trough, dumping handle, (2) base skirts, anchoring system, fasteners, gaskets, and hardware. Pumping system and supply piping with flow control valve to be supplied and installed by others. The Water Dump is exclusively manufactured by Aquatic Recreation Company LLC, Toll Free Phone #877-632-0503, Local Phone #952-445-5135, Fax #952-345-6444, Website: [www.arc4waterplay.com](http://www.arc4waterplay.com).

## **Structure:**

Structure to have (4) components: tubular structure, water trough, dumping handle, and base skirts. These individual components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacturer.

## **Tubular Structure:**

Structure shall be (2) 6" diameter structural tubes with standard 150# mounting flanges. Stem is constructed from fiberglass re-enforced plastic with durable finish designed to resist damage from wind speed of 100 mph and seismic Zone (4) classification.

## **Water Trough Design:**

The water trough will fill with water and overflow until user pull down on dumping handle. Water trough to be constructed of heavy duty PVC with stainless steel mounting brackets and assembly hardware. The trough will spread out water to create a safe sheeting type of waterfall.

## **Dumping Handle:**

The dumping handle to be constructed of stainless steel with colored powder coating finish. The dumping mechanism to have tension bolts so that the rate of dumping to be at a slow, controlled rate and require pulling the handle backup to re-set the trough to fill again. Dump handle throw will allow for completely emptying water trough.

## **Base Skirt:**

Base skirts to be fabricated from fiberglass re-enforced plastic with durable finish and fit over base mounting flange and mounting hardware. Base skirts to be a two-piece fabrication with vandal-proof stainless steel security fasteners for securing skirt to structure mounting flange.

## **Finish:**

All structure finishes are non-toxic, compatible with chlorinated water, and corrosion resistant. UV stabilizers are added to the finish coat to provide color protection in indoor or outdoor installations.

## **Colors:**

Owner may select colors for each individual component: tubular support structure, water trough, dumping handle, and base skirts. Color options are White, Purple, Yellow, Blue, Green, Red, and Orange. The handle and tie rod are only available in yellow.

## **Mounting System:**

Structure to be anchored to a thickened concrete slab with 5/8-inch stainless steel anchoring studs. Studs to be drilled and anchored into place with a fast setting two-component adhesive per manufacturer installation instructions.

## **Flow Rate Design:**

Feature nominal design flow rate for this project is: \_\_\_\_\_ *GPM*, which will require a \_\_\_\_\_ *INCH* size pipe feed with a flow control valve supplied by others.

## **Warranty:**

Product warranty will be a five year warranty against defects in workmanship and materials. All finishes shall have a five year unconditional warranty against rust and corrosion. Warranties exclude normal wear and tear, abuse, improper installation and maintenance.

## **Packaging:**

The Water Dump shall be packaged with all necessary support and protective wrapping so as to protect components during normal shipping and handling. Care must be exercised during handling to avoid damage to product structure and finish.

## **Installation Instructions:**

The Water Dump will be provided with complete installation drawings and instructions. Please read all installation instructions prior to installation. Installer may call Aquatic Recreation Company LLC at their toll free number #877-632-0503 during installation if there are questions concerning this product.

- Product specifications subject to change at any time.