



# Specifications for Mini Water Dome:

March, 2010

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

The Mini Water Dome is a structure that emits water from the top of a 5.5-ft diameter dome and creates a sheet of water around the perimeter that falls to users below. Feature standard height is 10'6" from mounting pad to top of dome. Feature structure is mounted directly to thickened concrete pad designed by others. Feature flow rates can be adjusted to increase or decrease sheeting effect. The manufacturer shall supply a complete assembly including: dome structure, stem, base skirt, anchoring system, fasteners, gaskets, and hardware. Pumping system and supply piping with flow control valve to be supplied and installed by others. The Mini Water Dome 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 (3) components: dome, stem, and base skirt. These individual components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacturer.

## **Stem:**

Stem shall be an 8" diameter structural tube with standard #150 flanges on each end. 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.

## **Dome:**

Dome to be a fiberglass reinforced plastic fabrication with stainless steel threaded mounting studs molded into structure. Dome to come complete with all stainless steel hardware and gasket.

## **Base Skirt:**

Base skirt to be fabricated from fiberglass re-enforced plastic with durable finish and fit over base mounting flange and mounting hardware. Base skirt 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: water dome structure, stem, and base skirt. Color options are White, Purple, Yellow, Blue, Green, Red, and Orange.

## **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-part 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 Mini Water Dome 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 Mini Water Dome 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.