



# Specifications for Rotating Water Arch Bar:

March 2010

## General Structure Design and Construction:

The Rotating Water Arch Bar is a structure that emits multiple streams of water from a rotating, low horizontal cross bar onto users. Feature standard height is 4'0" from finished floor to top of cross bar. Feature structure is mounted directly to thickened concrete pad designed by others. Feature supply flow rate can be adjusted to increase or decrease projection of water streams. The manufacturer shall supply a complete assembly including: water arch bar tubular structure, (2) base skirts, anchoring system, gaskets, fasteners, and hardware. Pumping system and supply piping with flow control valve to be supplied and installed by others. The Rotating Water Arch Bar 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.

## Structure:

Structure to have (2) components: tubular structure and base skirts. These individual components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacture.

## Tubular Structure:

Structure shall be manufactured from smooth 6-inch diameter tube with standard 150-lb. mounting flanges on each end. Entire structure constructed from fiberglass re-enforced plastic with durable finish designed to resist damage from wind speed of 100 mph and seismic Zone (4) classification.

## Rotational Bar:

The rotational coupling unit shall allow for a water tight, 360 deg. rotation of the low horizontal water bar. This rotational coupling to be fabricated from stainless steel materials and allow for external, non-protruding, grease insert for occasional maintenance. Rotating cross bar to have plastic disks on either side to allow patron to grasp to create rotation.

## Water Arch Bar Nozzle:

The Water Arch Bar is a proprietary product design that includes an internal distribution nozzle manifold. This water bar nozzle manifold allows for the water to be redirected and evenly proportioned throughout the cross bar to create a more uniform water stream effect.

## 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: tubular water arch bar structure, plastic rotation disks, 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 studs. Studs to be drilled and anchored into place with a fast setting two-part component acrylic adhesive per manufacturer installation instruction.

## Flow Rate Design:

Feature designed flow rate is available in either High Flow or Low Flow effects as listed below: (select one)

- Feature designed flow rate for this project is **High Flow**: \_\_\_\_\_ **GPM**, which will require a \_\_\_\_\_ **INCH** size pipe feed. This high flow rate will have approximately 1/2" stream effects.
- Feature designed flow rate for this project is **Low Flow**: \_\_\_\_\_ **GPM**, which will require a \_\_\_\_\_ **INCH** size pipe feed This low flow rate will have approximately 1/4 " stream effects.

## 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 Rotating Water Arch Bar 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 Rotating Water Arch Bar 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.