



Specifications for Water Rainbow:

December 2010

General Structure Design and Construction:

The Water Rainbow is three arching structures that emit multiple water sprays from over head arching bar onto users within structure. Feature three structures standard height is 6' 2 3/4", 7' 0", and 7' 9 1/4" from finished floor to top of each arching structure. Feature three structures standard width is 11' 0" from outer post to outer post. Feature structure is mounted directly to thickened concrete pad designed by others. The manufacturer shall supply a complete assembly including: (3) arching structures, (6) 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 Water Rainbow 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: 3-Arching tubular structures and base skirts. The Large Rainbow rung will consist of (2) pieces with a center flange. These individual components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacture.

Arching Tubular Structure:

Structure shall be manufactured from smooth 3-inch diameter tube with standard 150-lb. mounting flanges on each end. Entire structure constructed from *stainless steel* with durable finish designed to resist damage from wind speed of 100 mph and seismic Zone (4) classification.

Water Spray Nozzle:

The water spray nozzle is a recessed brass nozzle body threaded in a nozzle well insert within tubular structure. These nozzles are designed for lower flow rates to allow for arch structure to pressurize and evenly distribute water over its entire length. Nozzles are debris and corrosion resistant to reduce clogging and necessary maintenance. Nozzle removal for cleaning and replacement can be done with a standard socket wrench. The Large Rung (8) nozzles, the Medium Rung (7) nozzles, the Small Rung (6) nozzles.

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 rainbow structure 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 nominal design flow rate for this project is: _____ *GPM*, which will require a _____ *INCH* size pipe feed with a flow control valve and strainer, supplied by others.

Warranty:

25-year warranty on stainless steel products and stainless steel anchoring systems against defects in workmanship and materials when installed per manufacturers specifications. A 2-year warranty on color coatings and stainless steel hardware. Warranty period starts from date of shipment. Warranty excludes normal wear and tear, abuse, or improper installation & maintenance.

Grounding:

Bonding to be per Article 680 of the National Electric Code which is swimming pools, fountains or similar installations.

Packaging:

The Water Rainbow 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 Rainbow 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.