



# Specifications for Water Funnel Tree:

March, 2010

## General Structure Design and Construction:

The Water Funnel Tree is a structure with three armatures that each emits a morning glory nozzle effect to users below. Feature standard height is 10'0" from mounting pad to top of pipe structure. Feature structure is mounted directly to thickened concrete pad designed by others. Feature flow rates can be adjusted to increase or decrease height and diameter of nozzle effect. The manufacturer shall supply a complete assembly including: pipe structure, machined bronze morning glory nozzles, base skirt, anchoring system, gasket, and hardware. Pumping system and supply piping with flow control valve to be supplied and installed by others. The Water Funnel Tree 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 skirt. These components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacturer.

## Tubular Structure:

Structure shall be a 6" dia. Structural tube with standard #150 flanged connections on mounting base. 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.

## Morning Glory Nozzles:

The morning glory nozzle is to be a machined bronze nozzle with natural finish. Nozzle to have a 35-deg. angular departure creating partial sheeting 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 pipe structure, (3) armatures, 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 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 a heavier 2" morning glory nozzle effect.
- 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 a lighter 1.5" morning glory nozzle effect.

## Interactive Flow Control Valve – (Optional):

Feature will be provided with 6" interactive flow control valve mounted to tubular structure. Interactive flow control valve to consist of a flanged mounted butterfly valve with modified disk to allow only 50% restriction, rubber molded wheel, and stainless steel hardware. (select one)

- This feature will be provided with Optional Interactive Flow Control Valve.
- This feature will not be provided with Optional Interactive Flow Control Valve.

## 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 Funnel Tree 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 Funnel Tree 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.