



Specifications for Tubular Multi-Play:

March, 2010

General Structure Design and Construction:

The Tubular Multi-Play System combines six water play structures into a one cost-effective water play system. The six water activities are (2) Water Arch Bars, Water Wheel, Water Sheet, Water Dump, and Water Bucket. This unit can be customized by substituting other ARC water play activities. Feature standard height is 14'0" from mounting pad to top of water wheel pipe. Feature structure is mounted directly to thickened concrete pad designed by others. Feature flow rates can be adjusted to increase or decrease water flow activities. The manufacturer shall supply a complete structure package including tubular pipe structure, water wheel, water dump trough, water bucket, (5) base skirts, anchoring system, gasket, fasteners, and hardware. Pumping system and supply piping with flow control valves to be supplied and installed by others. The Tubular Multi-Play System 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 (5) components: tubular structure, water wheel, water dump trough, water bucket, and base skirts. These individual components to be assembled in the field with hardware and gaskets supplied by the manufacturer.

Tubular Structure:

Structure shall be a 6" diameter structural tube 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 Wheel Design:

The water wheel will be fabricated using a colorful polyethylene plastic. Water wheel will mount to tubular structure with stainless steel hardware.

Water Arch Bar Nozzle:

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

Water Sheet Nozzle:

The Water Sheet nozzle is a proprietary product design that includes an internal sheet-flow distribution manifold. This water sheet nozzle and manifold allows for the water to be redirected and evenly proportioned throughout the cross bar to create a more uniform water sheet effect at varying flows.

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 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 rubber colored 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.

Bucket Tipping Design:

Fiberglass re-enforced plastic bucket will fill with water and tip when top heavy. Stainless steel hardware will mount bucket to pipe arm extension. The S.S. mounting hardware will only allow bucket to tip in one direction. Bucket mounting system will allow for bucket to correct it's self after dumping water.

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 wheel structure, water arch bar structure, water sheet structure, water dump structure, water bucket structure, and base skirts. 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-component adhesive per manufacturer installation instructions.

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" thick water sheet effect and optimum flows to water wheel and water pipe 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 approximately 1/4 " thick water sheet effect and lower flows to water wheel and water pipe effect.

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 Tubular Multi-Play 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 Tubular Multi-Play 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.