



# Specifications for Multi-Play Climb-N-Slide:

March, 2010

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

The Multi-Play Climb-N-Slide Play System combines five interactive water play activities on a raised platform and slide structure. The five water activities are Water Bars, Water Pipe, Water Sheet, Water Arch Bars, and Water Shower. In addition, the center mast Water Funnel feature varies in flow depending on the interaction of the five separate arm displays. Feature standard height is 20'0" from mounting pad to top of center mast. 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 raised platform structure with stair entry, water slide, center structural tube, (5) water display arms, center mast, decorative armature banners, (5) interactive flow control valves, base skirt, anchoring system, gasket, fasteners, and hardware. Pumping system and supply piping with flow control valve to be supplied and installed by others. The Climb-N-Slide 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](http://www.arc4waterplay.com).

## **Structure:**

Structure to have (14) components: raised platform structure with stair entry, water slide, center structural tube, (5) water display arms, center mast, decorative armature banners (which are optional), (5) interactive flow control valves, and base skirts. These individual components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacturer.

## **Raised Platform Structure:**

Raised platform structure to consist of a pre-engineered fiberglass structure with four corner post support legs, tubular grate support system, anti-slip textured grate flooring, stair entry, and complete railing system. The raised platform shall allow for the center structural tube which will serve both as center grate support and multi-play V main feature stem. Platform will have needed supports and connections for slide structure attachment. The raised platform will have security panels that will prevent patrons from entering cavity underneath platform, stair, and slide elements.

## **Water Slide Structure:**

The water slide shall be a slide structure that will span the entire length of the multi-play platform. Slide will have required attachment flange and stainless steel hardware to attach slide to both platform and pool floor.

## **Slide Safety Pad (Sold Separately):**

Safety pad to be 1 1/2" thick foam padding that has a reinforced PVC membrane that is an anti-slip material. The base of the safety pad is a 1/4" thick PVC plate with a 2" wide section that comes pre-drilled for mounting to the concrete. The safety pad is mounted with stainless steel hardware.

## **Center Structural Tube:**

Structure shall be a 24" diameter structural tube constructed from fiberglass re-enforced plastic with durable finish designed to resist damage from wind speed of 100 mph and seismic Zone (4) classification. Stem to have standard 150 # mounting flanges.

## **Water Manifold System:**

This Multi-Play System requires only a single 6" regulated water feed supply. This supply will pressurize an internal distribution system within the center structural tube and supply individual water features. Each water armature will have interactive flow valve to increase or decrease water flow rates.

## **Water Bar Nozzle – (water bar and water arch bar armature):**

The water bar nozzle 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 – (water sheet armature):**

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 Shower Nozzle – (Water Shower armature):**

The water shower nozzle is to be fabricated from durable gas welded PVC with natural finish. Nozzle to be 2 inches in size with a series of perimeter streams spraying at 35-deg. outward pattern.

## **Water Funnel Nozzle – (Water Funnel display):**

The water funnel nozzle to be a machined bronze nozzle with natural finish. Nozzle to be 2 inches in size with a 35-deg. angular departure creating partial sheeting effect.

**Decorative Banners (Optional):**

The decorative banners will be fabricated using a colorful netting fabric. Banners will mount to center mast and armatures with stainless steel hardware. These banners are optional.

**Interactive Flow Control Valves:**

Feature will be provided with (5) interactive flow control valve mounted to internal water manifold on main support structure. Interactive flow control valve to consist of a butterfly valve with modified disk to allow only 50% restriction, rubber molded wheel, and stainless steel hardware.

**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: raised platform structure, water slide structure, center structural tube, (5) water display arms, center mast, decorative armature banners, (5) interactive flow control rubber wheels, and base skirt. Color options are White, Purple, Yellow, Blue, Green, Red, and Orange. The interactive flow control wheels and the banners are available in red or blue.

**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 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 Multi-Play Climb-N-Slide 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 Multi-Play Climb-N-Slide 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.