



Specifications for Multi-Play Canopy:

March, 2010

General Structure Design and Construction:

The Multi-Play Canopy System is a structure that combines seven water play elements into a single canopy structure. The seven water activities are Water Arch Bar, Water Sheet, Water Weight, Water Pipe, Water Log, Water Bucket, and Canopy Water Fall. Feature standard height is 18'0" from mounting pad to top of canopy structure. 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, canopy roof structure with upper supply trough, water bucket, water log, (6) 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 Multi-Play Canopy 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, canopy roof structure, water bucket, water log, 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 to be fabricated from fiberglass re-enforced plastic with durable finish designed to resist damage from wind speed of 100 mph and seismic Zone (4) classification.

Canopy Roof Structure:

The canopy roof structure to consist of two sloping corrugated fiberglass panels mounted to the four corner posts. At the peak of the roof to be a molded supply trough with water feed connection. Trough to have internal leveling weir on each side to create even distribution of water over the entire length of trough.

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 Weight Panel:

The Water Weight panel is constructed of high impact dual color laminated HDPE with a stipple finish. The HDPE panel to have router graphics that explain the tubes capacity and weight. The water weight tubes are constructed of clear PVC industrial pipe that allows user to view the tube as it is being filled with water, adding to the excitement. The tubes vary in size, capacity, and weight, allowing the structure to be suitable for all ages. Water weight panel to be mounted directly to tubular support structure with manufacture supplied stainless steel hardware and gaskets.

Water Log Design:

The water trough will fill with water and randomly tip when top heavy to users below. 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.

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: canopy roof structure, water arch bar structure, water sheet structure, water weight structure, water pipe structure, water bucket structure, water log trough, 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 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.

Interactive Flow Control Valve – (Optional):

Feature will be provided with 6” interactive flow control valve mounted to the Water Sheet and or Water Pipe. 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 on water sheet effect.
- This feature ***will*** be provided with Optional Interactive Flow Control Valve on water pipe effect.
- 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 Multi-Play Canopy System 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 Canopy System 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.