



Specifications for Multi-Play VII:

March, 2010

General Structure Design and Construction:

The Multi-Play System VII combines seven water structures into a cost effective water play system. The seven water activities are Water Arch Bars, Water Pipe, Water Shower, Water Bucket, Water Wheel, Water Spray Hose, and Water Log. In addition, the center mast has a Water Funnel water display. Feature standard height is 17'0" from mounting pad to top of center mast. Feature structure is mounted direct to thicken 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: (2) main support structures, (3) water display arms, (1) center mast, (3) decorative armature banners (optional), water wheel, water log, water hose, water bucket, (3) interactive flow control valves, (2) base skirts, anchoring system, gasket, fasteners, and hardware. Pumping system and supply piping to be supplied and installed by others. The Multi-Play System VII 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 (16) components: (2) main support structures, (3) water display arms, (1) center mast, (3) decorative armature banners (optional), water wheel, water log, water hose, water bucket, (3) interactive flow control valves, and (2) base skirts. These individual components to be assembled in the field with hardware and gaskets supplied by the manufacturer.

Main Support Structure:

Structure shall be (2) 24" 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 Manifold System:

The Multi-Play System VII only requires two water feed supply lines (6" & 4"). These supplies will pressurize an internal distribution system within the main support structure to supply individual water features.

Water Bar Nozzle – (water arch bar armature):

The Water Bar is a proprietary product design that includes an internal distribution water bar 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 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 morning glory 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.

Water 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. Owner will have option to tip water towards pipe base or away dependent on desired splash parameters. Bucket mounting system will allow for bucket to correct it's self after dumping water.

Water Wheel :

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

Water Spray Hose:

The water spray hose will be fabricated from a flexible PVC tubing with an end nozzle cap.

Water Log:

The water Log 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.

Decorative Banners (Optional):

The decorative banners will be fabricated using a colorful netting fabric or PVC material. Banners will mount to center mast and armatures with stainless steel hardware.

Interactive Flow Control Valves:

Feature will be provided with (3) 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: (2) main support structures, (3) water display arms, (1) center mast, water log, water hose, water bucket, (2) base skirts. Color options are White, Purple, Yellow, Blue, Green, Red, and Orange. Color options for the (3) interactive flow control valve wheels are blue or red.

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 optimum flows to all water displays.
- 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 lower flows to flows to all water displays.

- Note: low flow water display will use smaller nozzles and sheeting displays to reduce flow.

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 VII 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 VII 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.