



Specifications for Multi-Play V:

March, 2010

General Structure Design and Construction:

The Multi-Play System V combines five interactive structures into one easy to install, cost effective water play system. 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 17'0" 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 main support structure, (5) water display arms, center mast, decorative armature banners (optional), (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 Multi-Play System V 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 (6) components: main support structure, (5) water display arms, center mast, decorative armature banners (optional), (5) interactive flow control valves, and base skirt. These individual components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacturer.

Main Support Structure:

Structure shall be a 24" diameter structural tube with standard 150 # mounting flange. 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 V requires only a single 6" regulated water feed supply. This supply will pressurize an internal distribution system within the main support structure 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 bar-flow 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 to be fabricated from durable gas welded PVC nozzle 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 or from PVC material. 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: main support structure, (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 PVC material for 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 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 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 V 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 V 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.