



Specifications for Cyclone:

March, 2010

General Structure Design and Construction:

The Cyclone is a structure that emits water from top of a 5.5-ft diameter dome and creates a sheet of water around the perimeter that falls to users below. The support stem is capable of rotating thus allowing the user to create various projecting water effects depending on the speed of rotation. Feature standard height is 9'0" from mounting pad to top of structure. Feature structure is mounted directly to thickened concrete pad designed by others. Feature flow rates can be adjusted to increase or decrease water-sheeting effect. The manufacturer shall supply a complete structure package including: dome structure with see through colored plastic insert cut-outs, stem with hand hold knobs, internal tubular pipe structure with rotation assembly, base skirt, anchoring system, fasteners, gaskets, and hardware. Pumping system and supply piping with flow control valve to be supplied and installed by others. The Cyclone 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:

The Cyclone is a stainless steel and fiberglass re-enforced plastic structure designed to resist damage from wind speeds of 100 mph and seismic zone (4) classification. Structure to have (4) main components: fiberglass dome top with see through colored plastic insert cut-outs, fiberglass stem cover with hand hold knobs, stainless steel internal tubular pipe structure with rotational assembly, and fiberglass base skirt. These individual components to be assembled in the field with stainless steel hardware and gaskets supplied by the manufacturer.

Dome:

Dome to be a fiberglass reinforced plastic fabrication with stainless steel threaded mounting studs molded into structure. Dome to have various size cutout holes with see through colored plastic inserts and funnel top water delivery system. Dome to come complete with all stainless steel hardware and gasket.

Stem:

Stem shall be an 8" structural fiberglass reinforced plastic pipe with molded handhold knobs, durable finish, and mounting connection to internal structure rotational assembly.

Internal Structure / Rotational Assembly:

Internal tubular structure to be a stainless steel fabrication with a bearing type rotational assembly and mounting connections to both dome and stem assembly. Internal structure to be mounted directly to concrete pad with standard #150 mounting flange and supplied anchoring 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: dome structure, stem, and base skirt. 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.

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 Cyclone 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 Cyclone 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.