



Small Water Slides a division of Superior International Industries

Optimal site characteristics

1. Concrete deck around the pool.
2. Minimum of 15 to 25 feet from the water's edge to where the concrete ends.

3. Minimum of 20 feet of linear length usable space along pool edge.
- ~~4. A depth of 4 feet or greater are preferred. Federal regulations dictate 3 1/2 foot water depths where the slide flumes enter the pool~~
5. Design adaptations available to provide flume entrances at corners and on peninsulas.
6. Electrical codes in some states dictate that our pipe structure be bonded (or ground) to some other pervasive metal structure around the pool. (e.g. the rebar in the concrete) Some clients have done this using #8 copper wire. Regardless, this is the owner's responsibility.
7. A water volume of 15 to 20 gallons per minute, per flume is sufficient for our water slides.



Component Descriptions

1. Pipe: 80 gauge, 1.9" OD anodized aluminum structural tubing.
2. Fittings: Structural Speed-Rail[®] fittings (manufactured by Hollander of Cincinnati, OH) All Hollander fittings are made of high tensile strength, aluminum/magnesium alloy that is highly resistant to corrosion and will not rust. The physical strength characteristics are comparable with malleable iron at one-third the weight.
3. Plastic Components: All flumes and decks are made of rotationally molded linear low-density polyethylene. UV inhibitors are molded into each component's 3/8" (minimum) wall thickness.
4. Each 4' by 4' plastic deck easily holds up to 800 lbs.
5. Tuff Skin post covers: To add further protection for the participant and the structural pipe itself, the aluminum framework is covered with a product called Tuff Skin. This extruded polyethylene plastic closed cell foam product features (through a unique dipping process) a vinyl coating, which increases durability. The UV stabilized vinyl coating makes pressure washing all the easier. A variety of colors add to the "curb appeal" of the final product.
6. Saddles: All slide flumes are supported using extra thick custom-made aluminum saddles.
7. DuraMesh or Tuff Net Barrier Screen: A barrier product called DuraMesh encloses all climbing towers. It is a very strong metal mesh material that is dipped in vinyl to make it more attractive and corrosion resistant. The result is that it is impossible to fall off of our water slide
8. Hardware: All connecting hardware and concrete anchors are made of high quality marine-grade stainless steel.



Water Supply:

1. The slides require 15-20 gallons of water per minute per slide flume to operate properly. Our slides require much less water to operate than most fiberglass-style slides.
2. Typically we ask the customer to run a water line to the slide and cap the line with a standard hose bib. Then we supply the hose and connectors to take the water into the slide.
3. If the customer doesn't have a water line that will be supplying the water, we can offer a 1/2hp pump (we sell it for \$600) that will pull water directly from the pool. We supply the pump and plumbing, but they are responsible for getting water to the pump.
4. From the water line up the slide, we use a heavy duty, hard rubber hose. It is zip tied up the pipe to the top of the slide. We drill a hole in the side of the tube and install a brass 90 degree fitting in the tube so the water will shoot down the slide bed way. The hose is attached to the fitting using a hose clamp. We also apply silicone to the bottom half of the slide joints. This is done for each slide flume.
5. We provide a "water kit" that has the fitting, hose clamps and silicone.

