



## BUILDING BETTER ENVIRONMENTS

As a leading manufacturer and distributor of aquatic play equipment, it is critical that Waterplay Solutions Corp.® (Waterplay) keep environmental impact at the forefront of our design and process decisions. For over 20 years, we have helped create healthier kids and sustainable communities while consciously working to minimize our impact on the environment.

### Design Features:

**Park Design:** Waterplay consults with clients to optimize the design of their spray parks and ensure key environmentally friendly options are included. Waterplay always recommends the use of an overspray zone around the spray park pad ensuring that the water is captured through the drain system rather than lost into the surrounding environment. This reduces the chance of treated water leaking into the environment, as well as improving safety and reducing maintenance.

In addition, controllers are recommended to enable clients to sequence the water flow through the various features so that the water is not running through every feature simultaneously. This reduces water consumption while adding play value and visual interest. The use of Activators ensures the park is only running while kids are playing.


**Feature Design:** In designing our interactive water features, we recognized the need to balance the play value and water effects offered by high water flow features with water conservation techniques. As a result, Waterplay offers high flow, low flow and enviro-flow nozzles in the majority of our components without unduly impacting play value. This approach enables our clients to choose the water consumption that is best suited to their environmental needs. For example, in a potable, drain to waste park, low flow or enviro-flow nozzles are recommended while high flow nozzles are well suited to a pool environment.

**Water Management Systems:** In keeping with our efforts to be progressive and responsible in all aspects of water usage and quality, Waterplay introduced water management systems. All three options - Water Treatment System, Retain and Re-Use System, and Desalination System – have been built on the foundation of efficient water use and quality control.



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Using a Water Treatment System allows our clients to collect the water, chemically treat it to remove bacteria and contaminants and re-use it in their spray parks, reducing the amount of water consumed in operation. Similarly, Waterplay's Retain and Re-Use System allows clients to collect potable water for re-use in a number of applications such as irrigation, street cleaning, municipal vehicle washing and/or toilet flushing in adjacent facilities. Re-use applications are site specific and allowable gray water usage is determined by local governing agencies.

### Materials:

Waterplay's features are manufactured from recycled stainless steel and aluminum. The Tiger Drylac Super Durable Powder Coated Finish used on Waterplay's features is TGIC (Triglycidylisocyanurate) free. Use of such materials also extends the usable life of the products.

In our manufacturing plant, Waterplay uses non-corrosive, biodegradable natural cleaners and degreasers as well as non-toxic, biodegradable cutting coolants and lubricants. All of our tooling is either repaired or recycled.

### Business Practices and Processes:

Waterplay uses hydro electricity to power our facilities and efficient radiant heating during cooler months. All of our scrap material (stainless steel, aluminum and plastic) are recycled.

Our staff are committed to recycling of paper, general business materials, consumable product containers, cardboard/packaging, etc. minimizing wherever possible any waste. In addition, we provide our clients and dealers with access to materials, catalogues, product specifications, documentation, etc. online to reduce wasted paper and use recycled materials in printed versions.

Spray parks and other aquatic facilities are excellent sources of family fun, entertainment and fitness. If they are designed with the environmental impact in mind and incorporate the latest technology in effective water usage, our children can continue to experience the joys of water play for years to come. At Waterplay, we are committed to serious, safe and environmentally responsible fun!

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