

# Recirculation System

Aquatix' recirculation systems allow for splash pad design to focus on creating enhanced water play in a safe environment without being dictated by water consumption concerns. When utilizing a recirculation system, product selections are based on their play value, product flow rates, and interactive value. ARC's recirculation system provides this enhanced experience in a water quality treatment system that is safe & easy to operate. Each recirculation system meets or exceeds local health department specifications for water quality.

- 1 Activation Bollard**  
Touch post activator
  - 2 Ground Spray**  
Flush spray feature with various nozzle effects
  - 3 Embed Pod Drain**  
Drain to waste to eliminate standing water in ground spray pod
  - 4 Collector Box**  
Main drain with dual port to collect all splash pad water to return to tank &/or waste
  - 5 Drain to Waste Valve Box**  
To have electrical solenoid valve for diverting rain water to waste
  - 6 Drain Line to Waste**  
Take waste water to sanitary or sewer system
  - 7 Water Play Structures**  
Above grade spray feature with various water activities
  - 8 Underground Water Reservoir Tank**  
To be pre-fabricated & pre-plumbed with water level control, inlet loop, floating skimmer, & submersible pump out system
  - 9 Lockable Man Way with Ladder Access**  
Provides easy access for maintenance of water reservoir tank
  - 10 Distribution Manifold**  
Pre-plumbed, pre-fabricated with winterization blow-out-port
  - 11 Manual Valves**  
Manually control each spray feature's spray height and distance
  - 12 Feature Pump Skid**  
UL listed, pre-fabricated, & pre-plumbed feature pump skid with adjustable legs
  - 13 Filtration Skid and Automated Chemical Controller**  
UL listed, pre-fabricated, and pre-plumbed filtration skid & automated chemical controller
  - 14 Sand or Cartridge Style Filter**  
Provided with sand media or cartridges
  - 15 System Control Panel**  
UL Listed Control panel for total system controls and feature operation controls including operational hours, duration of time, sequencing of events, & on/off controls.
  - 16 Main Power Supply**  
Typically 460-230V, 3 Phase, 60 Hz & 115/20V, 1 Phase, 60 Hz
  - 17 Chemical Treatment**  
Ph adjustment reservoir and pump.
  - 18 Water Fill Supply**  
Municipal water supply with pressure regulator (20 to 30 PSI) & back-flow preventer (typically 1")
- \* Optional Equipment**  
Above or below grade equipment enclosures, UV sanitization system, & In-line water heater

