

Aquatix' recirculation system powered by Mech<sub>2</sub>O™ to be fully integrated recirculation system consisting of: 3,000 gallon precast water reservoir, feature and filter pumps, filtration system (sand or cartridge), UV disinfection system, automated chemical treatment system, enzyme treatment, distribution manifold and UL listed control panel with remote access and monitoring. Mech<sub>2</sub>O system is completely plumbed, electrically wired and tested prior to shipment. Complete system is housed in a prefabricated equipment enclosure.

# Recirculation System Powered by Mech<sub>2</sub>O™

**1 Activation Bollard**

Touch post activator

**2 Ground Spray**

Flush spray feature with various nozzle effects

**3 Collector Box**

Main drain with dual port to collect all splash pad water to return to tank &/or waste

**4 Drain to Waste Valve Box**

To have electrical solenoid valve for diverting rain water to waste

**5 Drain Line to Waste**

Take waste water to sanitary or sewer system

**6 Water Play Structures**

Above grade spray feature with various water activities

**7 Mech<sub>2</sub>O™ System Consisting of:**

**Underground Water Reservoir Tank**

To be pre-fabricated & pre-plumbed with water level control, inlet loop, floating skimmer, & submersible pump out system

**Lockable Man Way with Ladder Access**

Provides easy access for maintenance of water reservoir tank

**Distribution Manifold**

Pre-plumbed, pre-fabricated with winterization blow-out-port

**Manual Valves**

Manually control each spray feature's spray height and distance

**Feature Pump Skid**

UL listed, pre-fabricated, & pre-plumbed feature pump skid with adjustable legs

**Filtration Skid and Automated Chemical Controller**

UL listed, pre-fabricated, and pre-plumbed filtration skid & automated chemical controller

**Sand or Cartridge Style Filter**

Provided with sand media or cartridges

**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.

**Main Power Supply**

Typically 460-230V, 3 Phase, 60 Hz & 115/20V, 1 Phase, 60 Hz

**Chemical Treatment**

Ph adjustment reservoir and pump.

**Water Fill Supply**

Municipal water supply with pressure regulator (20 to 30 PSI) & back-flow preventer (typically 1")

**Sanitary Waste Connection**

Municipal sanitary waste line with required air gap

**\* Optional Equipment**

Dry chemical Treatment

