



Sand Filtration



CHEM-AQUA®

Standard Features

- Stainless steel skid frame
- Fiber Reinforced Plastic (FRP) filter tank
- Schedule 80 PVC piping
- Backwash counter
- Centrifugal pump
- Independent 3-way motorized ball valves
- Microprocessor controls
- City / tower backwash
- Backwash on pressure differential or time
- 5 micron particle removal
- 80 psi maximum operating pressure

Advantages

- Manufactured in Chem-Aqua's equipment facility
- Commercial and industrial applications
- Pre-assembled and pre-tested prior to shipment
- Professional service and installation
- In-house technical support
- Startup support



Sand Filtration Types

Side Stream Sand Filters

Chem-Aqua® Side Stream Sand Filters trap suspended solids throughout the granular media bed. The differential pressure across the media will increase as more contaminants are trapped. Once a certain pressure is met or at a pre-set time, the media will backwash and flush the trapped sediment into a drain.

Sump Sweeper Sand Filters

The Chem-Aqua Sump Sweeper Sand Filters are designed to remove solids from water systems using a permanent media and a Sweeper Jet. As solids are collected in the media the differential pressure will increase triggering the system to automatically backwash itself to remove the solids from the media. Sump Sweeper Sand Filters have an optional dual zone or dual tower installation.

Sweeper Jet

Sweeper Jets are designed with an elliptical nozzle to direct solids in a sweeping pattern from the basin towards the filter inlet suction intake. The sweeper jet is a cost effective method for preventing build-up of dirt, scale, other contaminants in cooling tower basins, sumps and machinery reservoirs.



Sweeper Jet

Dual Zone Sweeper and Dual Tower Sweeper

Dual Zone Sweepers include a common suction header, multiple discharge headers, and an independent actuator valve that turns on the sweepers for the different zones at a predetermined period of time.

Dual Tower Sweepers have separate suction and discharge headers, and two independent actuator valves that automatically alternate between multiple towers.

Having a dual zone sweeper or dual tower sweeper provides the option of only having to purchase one sand filter with the ability to sweep multiple sump zones or multiple towers. This reduces filter size and power requirements while saving money.