

MULTISTACK[®]

Originators. Innovators. Never the Imitators.

Cooling Tower Filtration System

Air Intake Filtration Will Change the Dynamics of Your Cooling Tower and HVAC Maintenance Process Saving Maintenance, Downtime and Lost Productivity!



Environmentally Friendly and Sustainable, Specifically Engineered for High Volume / High Velocity Airflow Systems. Stops Cottonwood Seed, Lint, Insects, Leaves, Pine Needles, Paper & Wrappers, Birds & Feathers, Construction Debris, and Other Airborne Matter From Getting Into Cooling Towers & HVAC Systems

Problem

Contamination of building's condenser water system drastically reduces energy efficiency and increases maintenance costs. The primary source of this contamination is airborne debris pulled into the cooling tower. Some external contaminants include kitchen exhaust grease, parking lot dust and dirt, leaves, and cottonwood seeds.

Solution

The Cooling Tower Filtration System traps airborne debris before it enters the cooling tower. Now sand, dust, feathers, and other contaminants are caught outside your cooling tower, not inside your chiller where they can reduce the efficiency of your system.

MULTISTACK customizes your Cooling Tower Filtration System with an extruded plastic frame (1" wide), wire mesh (1" x 1"), and polyester filter media (1/2"). These components are easy to work with and can be removed and cleaned as needed.

To order, simply provide MULTISTACK with your cooling tower's intake dimensions. We supply the rest.

Cooling Tower Applications

- Prevents clogging of fill material (extends fill life).
- Prevents sludge build-up in water basins.
- Prevents clogging of strainers, blow-down valves and heat exchangers.
- Helps fight bacterial proliferation including Legionella (eliminates nutrient source).
- Helps reduce water treatment chemical use (by up to 50%). In combination with water treatment, will deliver water quality results that neither can deliver independently.
- Reduce water use – increases the time between water consuming water filter flush backs.
- Diffuses sunlight to help fight algae growth.
- Eliminates downtime due to fouling & clogging.

Features

- Commercial & Industrial Grade Mesh – vinyl coated polyester media
- Fine Mesh Grade – polypropylene media (high efficiency)
- Non-porous vinyl surface for easy cleaning (cleans with a broom, brush, shop vacuum or garden hose – even rain will rinse filters) – Filters do not require removal for cleaning and water and cleaning chemicals are not required.
- UV resistant
- Resists mold & mildew
- Flame resistant (will not hold a flame)
- Quick release fasteners
- Extremely strong – will not tear or run and will stand-up to heavy wind conditions
- Environmentally friendly
- Earn LEED Credits In Multiple Categories
- Produced for any size intake opening.
- Filter Life - up to 15 yrs. (Fine Mesh - up to 7 yrs)

Debris Build Up On Tower



Tower Screen With Caught Debris



FASTENERS OPTION 1

Includes: Medium Duty Fiber Reinforced Outer Binding and Choice of Durable Quick Release Nylon Turn Stud Fasteners or, Self-tapping Screws & Bonded Washers or Nylon Zip Ties.

Ideal For: all louvers, rooftop units, air handling units and some cooling towers. Extraordinary low static pressure impact at low and high air velocities



FASTENERS OPTION 2 (RECOMMENDED)

Includes: Heavy Duty, Fiber Reinforced Outer Binding, Industrial Grade Grommets and Heavy Duty, Self-tapping Stud Adapter Fasteners (Fastens to Steel & Masonry).

Ideal For: Use on all Packaged and In-Ground Field Erected Cooling Towers, Evaporative Condenser Units and Large Tonnage Air Cooled Chillers & Condenser Units.



Cleaning

To clean the MULTISTACK Cooling Tower Filtration System, simply remove debris with a broom, vacuum, or garden hose.

MULTISTACK[®]

1064 Maple Avenue Sparta, WI • P 608-366-2400 • F 608-366-2450

www.multistack.com