

# How To Clean Cooling Towers

Safely vacuum away slime, algae, sludge and mud - all while your tower's online.

## Keep Your Tower Water Sparkling Clean

It's no surprise that cooling tower water can get dirty -- even filthy. Before you know it there's 1/2" of slime and sludge coating the basin floor. Dirty tower water fouls chiller tubes, slashing efficiency. And don't get us started on the threat of *Legionella* bacteria colonizing a tower. You don't want to go there. In fact, there's no reason to put up with dirty tower water. Not ever. Sure, it used to be a hassle to clean a cooling tower. But with the right equipment your water can always be sparkling clean. Some of our customers clean their basins monthly, or even more often. It's no big deal with the CTV-1501 TowerVac. A simple way to maintain a safe, efficient tower? It's a no-brainer.



CTV-1501  
TOWERVAC



CTV-F2  
FILTRATION SYSTEM

### Stay a Step Ahead of Legionnaires' Disease

You can't see it or smell it, and you can't even get rid of it completely. So how do you keep dangerous *Legionella* bacteria from colonizing your cooling tower?

Legionnaires' disease is a particularly lethal variety of pneumonia transmitted through bacteria in airborne water particles. Dirty tower water is a petri dish for the bacteria. All it takes is a leak to send it straight into the ventilation system.

Cleanliness is the key. Adding a biocide to tower water will kill bacteria, but only if it has nowhere to hide. Just a half-inch layer of deposits on your basin floor shelters bacteria from the biocide. It can thrive and multiply under cover of slime and scale.

Clean the basin frequently, whenever slime, scale or sediment are visible. Then your biocide can work as intended, keeping your building safe.

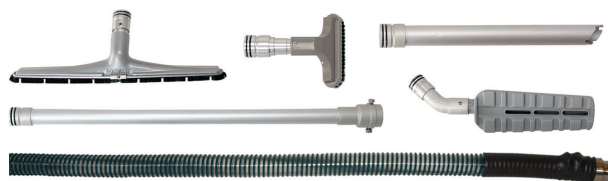
## CLEANING A COOLING TOWER

- Turn off fans.
- ID tower maintenance issues. Examine the basin for sludge; look for fouling on the tower fill.
- Wear protection. A breathing apparatus minimizes your exposure to harmful microorganisms.
- Consider using MoldTek or MoldTek-XC on cooling tower surfaces to kill bacteria like *Legionella*, or add it directly into the water prior to cleaning.
- Use the CTV-1501 TowerVac to clean the basin floor without having to drain the system or shut it down.
- Connect to a power supply and drainage outlet.
- Choose the attachment suited to the space.
- Vacuum while the tower is online. The TowerVac safely pumps muck and water down the drain.
- If you want to reclaim water, or your state or authority requires it, use the CTV-F2 water filter to return clean, reusable water to the basin.
- Top up tower water to operating levels.
- Consider adding ScaleBreak to the water in your system to minimize future fouling and keep scale issues at bay.
- If tower fill is fouled, spray on TowerShine foaming detergent with the TFC-100 to dissolve deposits. Rinse.
- Drain and clean the entire system at least twice a year. Disinfect thoroughly after shutdown and again before startup.

## ESSENTIAL ACCESSORIES

### BE FLEXIBLE

Extend your reach and clean around obstacles with the TowerVac accessory kit.



### SCALEBREAK

Eliminate slime, sludge and scale, and *Legionella* has nowhere left to hide!

