



DATA CENTERS

Automatic self-cleaning water filters for higher uptime and better water efficiency

CLEANER CONDENSER WATER FOR HIGHER UPTIME AND BETTER WATER EFFICIENCY

Tekleen automatic self-cleaning water filters help data centers run cooler, cleaner, and more reliably. They remove suspended solids before they foul cooling towers, chillers, coils, and spray nozzles, reducing blowdown and makeup water, lowering energy waste from scaling, and protecting critical equipment from unplanned outages. Tekleen filters deliver **uninterrupted flow during backwash**, so cooling stays online.

WHY DATA CENTERS NEED BETTER WATER FILTRATION

- **Improve water use and efficiency:** Cleaner water supports higher cycles of concentration, reducing blowdown and makeup water.
- **Maintain heat-exchange performance:** Even thin scale or biofilm reduces heat transfer and increases chiller energy use.
- **Protect nozzles and atomization systems:** Humidification and adiabatic systems rely on small orifices that clog easily.

WHY TEKLEEN IS THE #1 CHOICE IN WATER FILTRATION?



COST EFFECTIVE:

Automates the cleaning cycle to save you maintenance time and operating costs, and improve your bottom line.



OUTSTANDING SERVICE:

Over 40 years of industry leading expertise, short delivery times and outstanding local service you can count on 24/7.



UNINTERRUPTED FLOW DURING BACKWASH:

Uninterrupted flow during the backwash (6-10 seconds).



HIGH QUALITY PERFORMANCE:

We continuously innovate to deliver high-performance filters with filtration ranges from 1,000 microns down to 2 microns.



SUSTAINABLE:

Adapt to best-in-class green practices by reducing water waste with our highly water efficient, automatic filters.



EFFICIENT & RELIABLE:

Featuring standard stainless steel construction with alternative material options available. They are designed in full compliance with ASME Boiler and Pressure Vessel Code and Section VIII standards.

Protect critical systems, reduce downtime, and support water efficiency with continuous, uninterrupted filtration.



APPLICATIONS WHERE TEKLEEN FILTERS ARE USED IN DATA CENTERS

- Cooling towers and condenser water systems:**
 Maintain clean circulating water to reduce fouling, support higher cycles of concentration, cut blowdown, and reduce makeup water.
- Chillers, heat exchangers, and coils:** Protect heat transfer surfaces by removing suspended solids, reducing scaling and fouling, and preserving cooling capacity during peak demand.
- Humidification and adiabatic cooling nozzles:**
 Safeguard small-orifice nozzles from clogging to maintain consistent spray patterns and reliable air-side cooling performance.

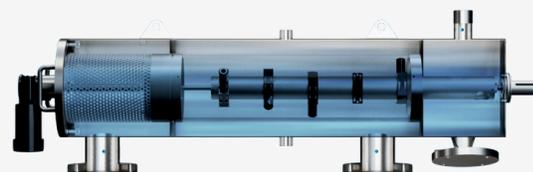
FILTRATION CHALLENGES SOLVED BY TEKLEEN

Challenges:	Solved With Tekleen
Fouling in heat exchangers	Continuous self-cleaning prevents scale buildup
Debris in cooling water	Removes suspended solids before they circulate
Spray nozzle clogging	Maintains clean and consistent spray pressure
Manual filter maintenance	Automated self-cleaning eliminates manual labor
Water waste in backwashing	Tekrinse system minimizes rinse water usage

AT A GLANCE:

WHY TEKLEEN LEADS IN DATA CENTER FILTRATION

- Filters down to **2 microns** to protect cooling systems and sensitive components
- Improves water efficiency and lowers **Water Usage Effectiveness** by enabling higher cycles of concentration
- Self-cleaning cycle runs automatically **without interrupting water flow**
- Reduces rinse water use by **up to 95% with the Tekrinse system**
- Helps lower **energy costs** by maintaining heat transfer performance
- Eliminates the need for **cartridge filters**, reducing labor and consumable costs
- Prevents **debris buildup** in nozzles and spray systems
- Compact design** fits easily into indoor or outdoor mechanical infrastructure
- Used across **cooling towers, condenser water, coils, and humidification systems**
- Proven in mission-critical facilities** where uptime is non-negotiable



REQUEST
A QUOTE
TODAY!



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