

VORTISAND®

High-Efficiency Water Filtration



VORTISAND® Benefits

Water savings generated by using less water for backwash

Up to 80% less backwash required since most particles are trapped on the upper section of the filter, backwash water requirement is minimized.

Optimal chemical treatment with up to 20% chemical reduction

Vortisand significantly improves the effectiveness of chemicals by reducing the Total Suspended solids (TSS) found in cooling water systems. The use of biocides and corrosion inhibitors become more effective by reducing the suspended solid load.

Reduced maintenance costs by reducing periodic clean ups

Decrease the costs associated with cleaning heat exchanges, coils, valves, strainers, condenser tubes, tower basins and other components in the cooling loop.

Up to 10% energy saving by increasing heat and cooling efficiencies

Savings are generated by preventing the formation of sediments and insulating Bio-Slime layers for greater heat exchange efficiency.

Reduce downtime production losses by providing the cleanest filtered water

Vortisand will decrease the frequency of downtime and replacement of equipment.

GO FROM
THIS...



TO
THIS!

- ✓ **Save Water** by using less water for backwash than conventional filtration systems.
- ✓ **Save Chemicals** by reducing suspended solids in the process water and removing the nutrients for bacteria to thrive and decreasing the use of biocides.
- ✓ **Save Time** on costly maintenance for cooling towers, chillers barrels, and heat exchangers.
- ✓ **Save Energy** by operating with higher system efficiencies and improving heat transfer.
- ✓ **Save Money** by taking advantage of the system savings to benefit from a high return on investment.



Chilled water loop cleanup with portable Vortisand filter

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