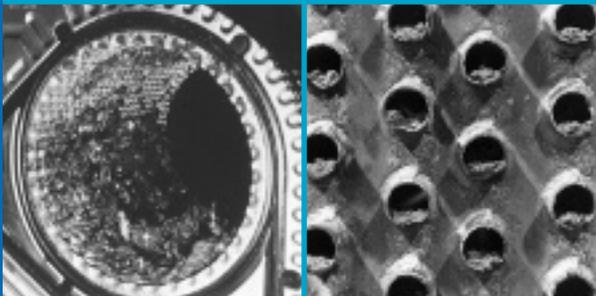


Solids fouling & accumulation. Water loss & chemical costs. Downtime & maintenance.

Unwanted solids come into an evaporative cooling system from all sources, including airborne intake, make-up water, process solids carryover/recirculation, precipitation and chemical treatment. They foul the heat exchangers, accumulate & cause problems in the tower basin/sump and create excess servicing & maintenance routines. It costs you time and money.

Instead, LAKOS Separators employ centrifugal action solids-from-liquid performance to keep cooling water systems free of troublesome sand, grit, scale, rust and process solids. Full-stream protection for the heat exchangers and basin cleaning protection to minimize blowdown, chemicals and bacteria problems in the basin/sump. See how it works and sample installation illustrations on reverse.



Unlike traditional filtration, LAKOS Separators have no moving parts to wear out. No screens or filter elements to clean or replace. No backwashing. Low & steady pressure loss. Continuous operation & maintenance-free capabilities. And complete systems for effectively concentrating unwanted solids for easy disposal.

Effective.
Reliable.
Affordable.

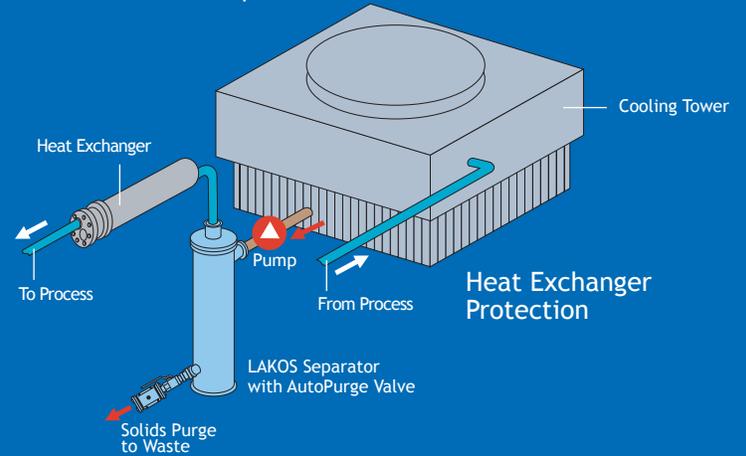
LAKOS
Liquid • Solids Separation Systems

For Cooling Tower & Heat Exchanger Protection

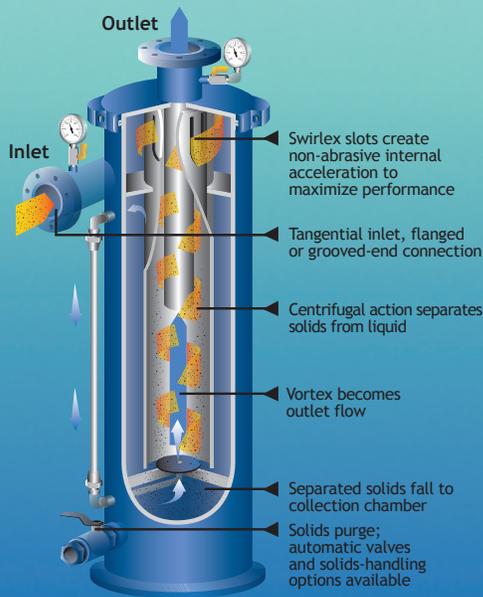


Full-Stream Protection

Sized according to the flow rate of the system pump, a LAKOS Separator can provide complete downstream protection of the heat exchanger or keep high-volume process solids out of the tower basin or remote/concrete sump. Reduces heat exchanger cleaning cycles by 8x or helps prevent excessive solids accumulation in the tower basin/sump.

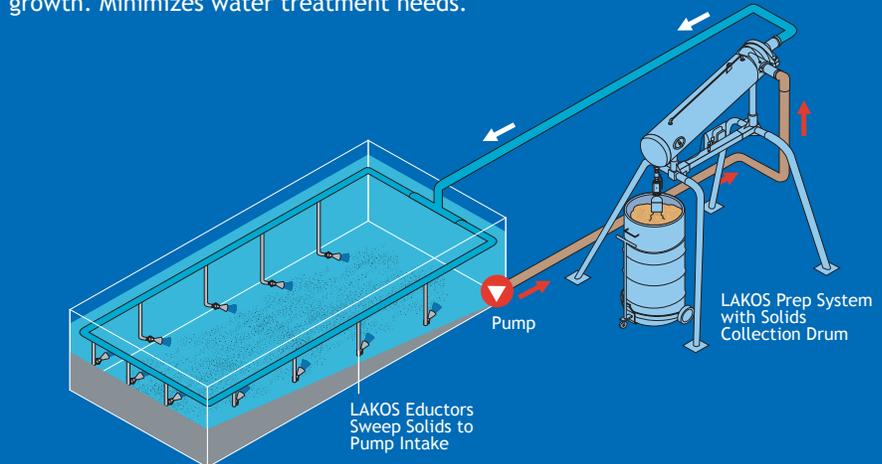


How It Works



Basin Cleaning Protection

When only light-to-moderate solids accumulation in the tower basin/remote sump is the primary concern, a LAKOS PREP/Separator system is applied with a series of LAKOS Educators installed within the basin/sump. Continuous recirculation creates a directed turbulence to sweep the unwanted solids out of the basin/sump and through the separator for removal. Reduces blowdown requirements. Controls the basin environment and potential bacteria/legionella growth. Minimizes water treatment needs.



LAKOS

Liquid • Solids Separation Systems

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Lakos Separators are manufactured and sold under one or more of the following U.S. Patents: 3,289,608; 3,512,651; 3,568,837; 3,701,425; 3,947,364; 3,963,073; 4,027,481; 4,120,795; 4,123,800; 4,140,638; 4,147,630; 4,148,735; 4,305,825; 4,555,333; 5,320,747; 5,338,341; 5,368,735; 5,425,876; 5,571,416; 5,578,203; 5,622,545; 5,653,874; 5,894,995; 6,090,276; 6,143,175; 6,167,960; 6,202,543; Des. 327,693; and corresponding foreign patents, including 600 12 329.4-08 (Germany) and EP 1 198 276 B1 (EU); other U.S. and foreign patents pending.