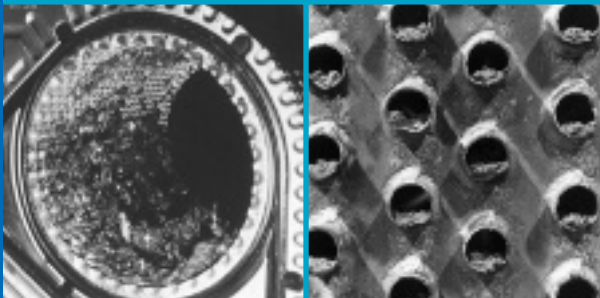


Solids fouling & accumulation. Water loss & chemical costs. Downtime & maintenance.

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.



LAKOS
Liquid • Solids Separation Systems



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.

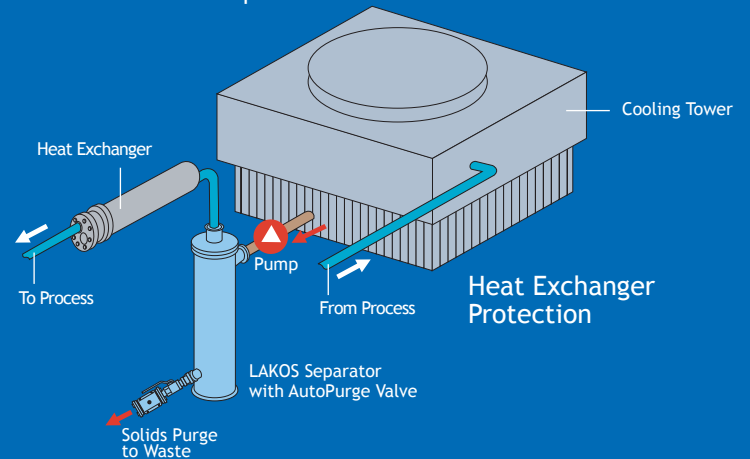
Effective.
Reliable.
Affordable.

For Cooling Tower & Heat Exchanger Protection

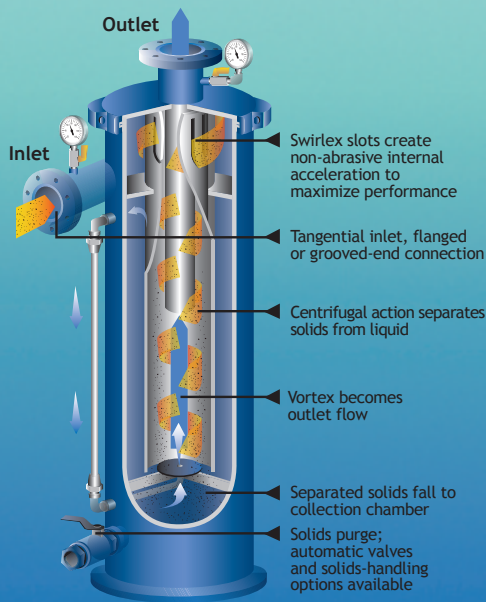


Full-Stream Protection

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.

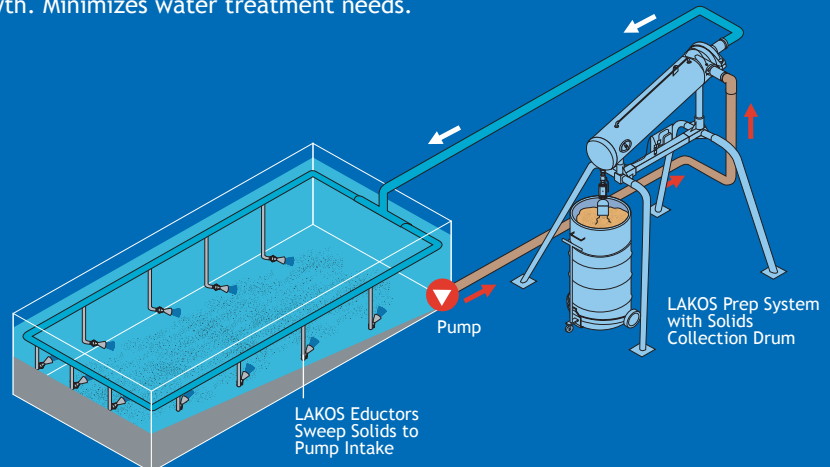


How It Works



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.