

# LAKOS®

Liquid • Solids Separation Systems

## The effective alternative to traditional filtration.

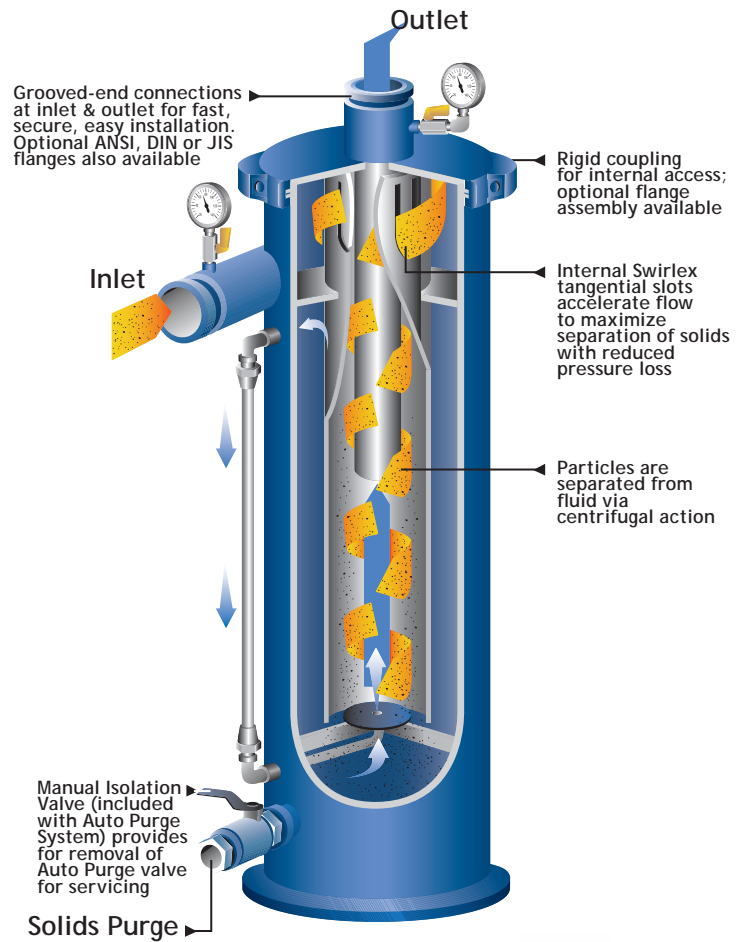
- No screens, cartridges or filter elements to clean or replace.
- No downtime for maintenance routines. Fully automatic options.
- No backwashing or excessive water loss; zero liquid loss options.
- Low & steady pressure loss.
- Compact, space-saving profiles (see model photos below).
- Effective solids-handling & concentration options for easy disposal or recovery of solids.
- No moving parts to wear out; no stand-by equipment requirements.

LAKOS Separators employ centrifugal action to remove settleable solids from pumped fluids. Rule of thumb: If the solids settle within 3-4 minutes, a LAKOS Separator can most likely be sized for the application. Flow rate dictates model size. Various model options for troublesome solids, aggressive fluids and solid-handling requirements.

## Worldwide experience in a range of industries.

**Automotive:** Pre-wash, pre-paint & deluge processes • **Food Processing:** Pre-wash, recycled water, cooking oil filtration • **Primary Metals:** Quench systems, spray nozzle & descaling operations • **Process Cooling:** Heat exchangers, pump seal cooling, cooling towers • **Chemical Processing:** Pre-filtration, recycling • **Municipal:** Well water, pre-treatment • **Vehicle Wash:** Cars, trucks/busses, trains • **Fuel Distribution:** Jet fuel, kerosene, pipeline, tank farms • **Oil & Gas:** Primary & secondary produced water, pump protection, disposal & injection wells, offshore platforms • **Power Plants:** Intake water, cooling & heat exchangers.

*Ask about case stories, application drawings and more.*



For Industrial Process Fluids

## Protect Your Fluid System Applications With The Performance of LAKOS

The potential for LAKOS Separators exists in virtually all fluid flow systems, particularly in the applications noted. Put our experience to work solving your toughest problems. Compare your operating costs to the payback value LAKOS offers in these areas. Call us for immediate and specific application assistance.

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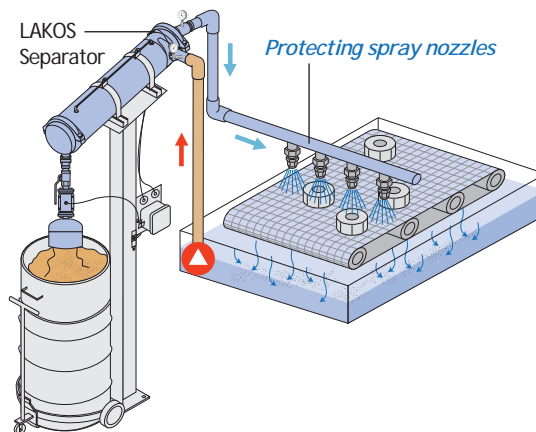
A Division of Claude Laval Corporation  
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### Typical Applications

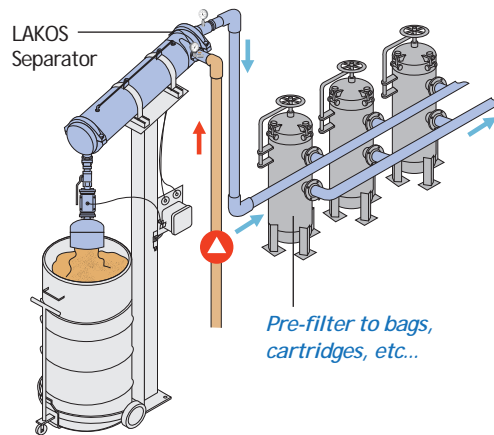


#### Spray nozzle and small orifice protection

Avoid fouling, clogging and/or abrasive wear. Eliminate excessive downtime, maintenance and/or parts replacements.

#### Extend the life of finer filtration and water treatment systems

Reduce fine-micron cartridge or bag filter consumption with the pre-removal of larger solids (see performance at right). Extend the operating cycles of filter elements and water treatment processes. Reduce maintenance, downtime and filter media replacement costs.

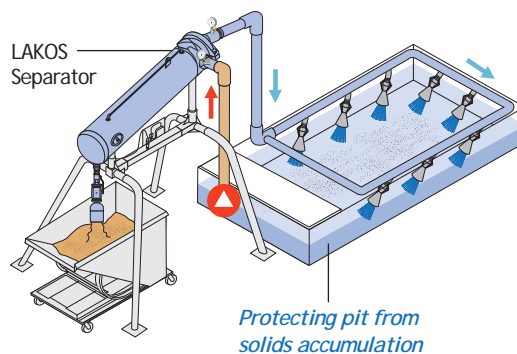


#### Heat exchanger protection

Control solids fouling. Remove precipitated grit and scale. Maintain optimum system efficiencies and avoid excessive energy loss.

#### Prevent excessive solids accumulation in pits, sumps and tanks

Cooling tower basins. Quench pits. Parts washing tanks. Eliminate solids build-up and the inevitable shutdowns, shoveling and maintenance routines. Avoid solids-induced bacteria growth and premature liquid disposal.



#### Waste minimization

Extend the life of process liquids by removing troublesome solids. Concentrate separated solids for easy disposal or recovery/re-use. Reduce your EPA-regulated waste status for significant process-related savings.