LAKOS ILB/ILS Separators

Installation Guide

ILB/ILS

Installation Instructions

LAKOS ILB/ILS Separators are shipped in heavy-duty cartons with plastic caps over the inlet and outlet to protect their male pipe threads.

Prior to installation, the inlet, outlet and purge opening of each unit should be inspected for the presence of any foreign objects which may have entered the unit during shipping or storage. Optional: Flush unit before operation.

Install piping to inlet and outlet.

For effective solids removal, LAKOS Separators must be operated within the recommended flow range for each model. Pipe size is not a factor in model selection. Minimum inlet pressure should be at least 15 psi (1.0 bar) or equal to the pressure loss anticipated through the separator plus the system's downstream pressure requirement.

LAKOS ILB/ILS Separators should be installed in the near upright vertical position on the discharge side of the pumping system. (Refer to factory for suction side installation.) Suitable means for supporting the separator's weight independently from the inlet/outlet piping is necessary. A LAKOS Mounting Kit is recommended (*See LS-569 Mounting Bracket Kits*), but may be substituted with similar hardware, such as U-bolts fastened snuggly around the separator's inner barrel.

If subject to idle periods, LAKOS ILB/ILS Separators installed in sub-freezing locations must be drained of liquid or protected from freezing to avoid damage from ice expansion. NOTE: All LAKOS automatic purging hardware provide a manual override to allow for easy draining via the purge opening.

Appropriate pressure gauges or differential pressure gauges are recommended to be connected at both inlet and outlet to monitor pressure loss and proper system flow. If the separator is operated at open discharge, a valve is recommended at the outlet, set to create a minimum back pressure of 5 psi (0.3 bar).

Maintenance/Purging

LAKOS ILB/ILS Separators must be purged regularly to remove the separated solids from the temporary collection chamber.

All purge hardware should be installed prior to any elbow or turns in the purge piping.

Avoid "uphill" purging, which can clog purge piping and hinder effective solids evacuation.

For best results, purging is recommended while the LAKOS Separator is in operation, utilizing system pressure to enhance solids evacuation.

LAKOS offers a durable, reliable automatic purging system to eliminate routine maintenance. Frequency of purging and duration of purging are both programmable to accommodate the specific needs of virtually any application.

Be sure to include an isolation valve prior to the automatic valve (available from LAKOS at an additional cost) to facilitate servicing of the automatic valve without system shut down.



LAKOS FILTRATION SOLUTIONS

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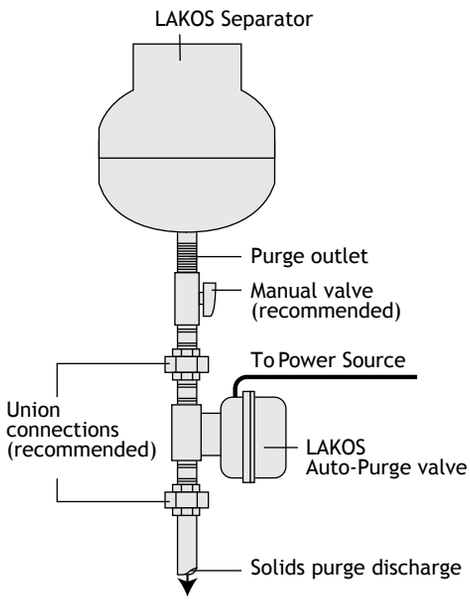
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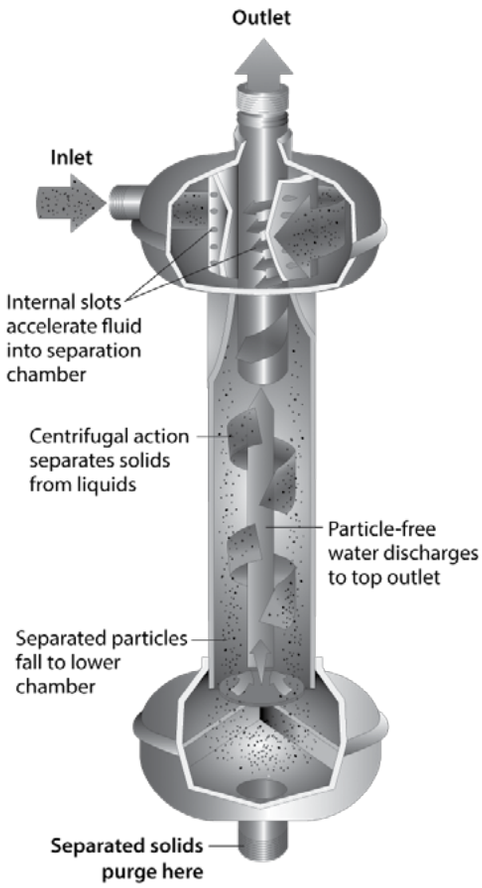
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Limited Warranty

Limited warranty LAKOS products are factory tested to meet the highest quality standards in the filtration industry. Please refer to www.lakos.com/warranty for information about the warranty on this and all other LAKOS products.

How It Works





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