



LAKOS
FILTRATION SOLUTIONS

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Agriculture
Irrigation
Filtration









AGRICULTURE IRRIGATION FILTRATION

GEDO

Distribution et conseil : GEDO FRANCE
04 85 88 02 75 | separateur@gedo.fr | separateurs.gedo.fr
565 avenue du Prado - 13008 Marseille - France

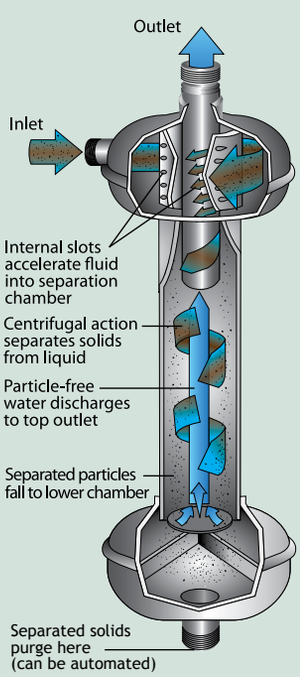
Sand Separators
ILB/ILS

Low Flow Solution



Flow Range:
3-290 U.S. gpm (0.7-66 m³/hr)
Maximum Pressure:
150 psi (10.3 bar)

LAKOS ILB (Carbon steel) and ILS (Stainless Steel) Separators are designed for flow rates between 3 US GPM and 290 US GPM. ILB and ILS Separators can remove particles 200 mesh (74 microns) and larger.



Features and Benefits:

- Centrifugal Separator patented technology
- Heavy duty construction
- Available in rugged carbon steel (Model ILB) or stainless steel (Model ILS)
- For more technical information, refer to LAKOS form LS-289

Groundwater Separators
LGS

High Flow Solution



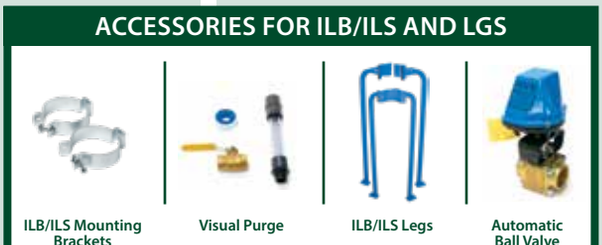
Flow Range: 225-2,450 U.S. gpm (51-556 m³/hr)
Maximum Pressure: 150 psi (10.3 bar)

The LGS Centrifugal Separator is designed for high flow rate applications. The trouble-free operation of the LGS keeps water clean and concentrates separated sand.

Features and Benefits:

- Centrifugal Separator patented technology
- No screens or filter elements to clean or replace; no routine maintenance
- Low and steady pressure loss
- The in-line inlet/outlet configuration simplifies piping
- ASME code option available
- For more technical information, refer to LAKOS form LS-1055

ACCESSORIES FOR ILB/ILS AND LGS



FOR SAND, SEDIMENT, AND OTHER SOLIDS

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Pump Intake Screen
PC

Open Source Water Solution

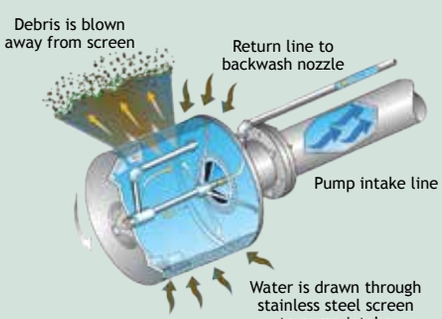


Flow Range:
50-2,400 U.S. gpm
(11.3-545 m³/hr)

LAKOS Self-Cleaning Pump Intake Screens protect pumps and other water system components from algae, leaves, moss, sticks, and other troublesome organics and debris allowing water to flow freely to the pump. Provides a continuous defense against impeller clogging, lost suction, and other pump wear. Designed for use in open source surface water applications such as lakes,rivers, ponds, reservoirs, canals, irrigation ditches, etc. Rugged and reliable internal backwash system blows debris off and away from the screen, allowing water to flow freely to the pump intake.

Features and Benefits:

- Protects pumps
- Saves energy by maintaining pump efficiency
- Reduces maintenance by continuous cleaning
- Environmental protection
- Durable construction
- For more technical information, refer to LAKOS form PC-115



Pump Protection Separators
PPS

Water Well Sand Damage Control

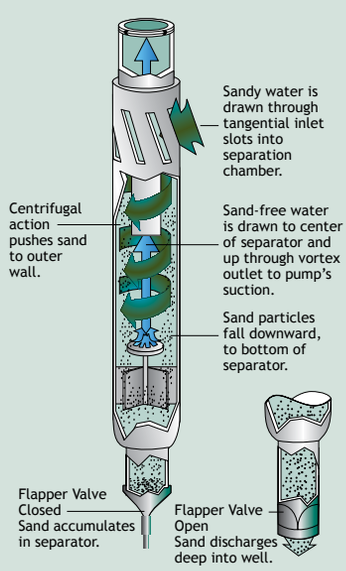


Flow Range: 100-3,180 U.S. gpm
(23-722 m³/hr)

LAKOS Pump Protection Separators (PPS) remove sand and grit that can shorten the life of a submersible or turbine water well pump. When sand threatens the performance of a pump, PPS Separators can help solve the problem and extend the life of the pump. Using a patented centrifugal design, the PPS controls the sand from entering the pump inlet, before it can chew up impellers and bearings and other pump components. This keeps the pump operating at maximum efficiency. Separated sand is left behind in the well.

Features and Benefits:

- Reduced sand wear on pump impellers and bearings
- Fewer repairs and replacements
- Longer lasting pump efficiency
- Lower energy use
- Lower operating costs
- Helps maintain optimum pump yield
- For submersible pumps with flows under 100 U.S. gpm, refer to the LAKOS SUB-K Pump Protection Sand Separator
- For more technical information, refer to LAKOS form LS-990



OPEN SOURCE WATER | **FOR SANDY WELLS**

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Application Selection Guide

FILTRATION SOLUTIONS					
Contamination	**Problem**	**Recommended Filtration**	**Benefits**	**Flow Range**	**LAKOS Solution**
Sticks, leaves, algae and other debris found in open source surface water	• Impeller damage and wear • Lost suction • Messy and time consuming maintenance • Blocked water flow	Self-Cleaning Pump Intake Screen	• Reliable self cleaning internal backwash system, keeps water intake area free of debris. • Improved pump performance • Energy savings	50-2,400 U.S. gpm 11.3-545 m^3/hr	**Self Cleaning Pump Intake Screen** **Model: PC** 
Sediment (sand, silt, rust and scale) in the water well	• Abrasive wear to pump's impellers and bearings • Expensive repairs and replacements • High energy usage	Pump protection separator installed on suction of submersible pump	• Eliminates excessive wear to pump's impellers and bearings • Helps maintain pump's efficiency and saves money by reducing energy costs. • Extends pump life by 5 times or more	100-3,180 U.S. gpm 23-722 m^3/hr	**Pump Protection Sand Separator** for large submersible and turbine pumps **Model: PPS** 
Sediment, sand and silt found in water wells, canals, rivers, lakes	• Plugged or worn sprinklers or spray nozzles • Uneven water distribution • Excessive pumping • Costly premature replacement costs • High energy/operating costs • Unscheduled shutdowns for maintenance	Centrifugal sand separator	• Centrifugally removes sand and other sediment up to 98% of 200 mesh • No moving parts to wear out; no screens or filter elements to clean or replace • Reduced operating costs • Increased productivity	3-2,450 U.S. gpm 0.5-556 m^3/hr	**Centrifugal Sand Separator** **Models:** • **ILB** (Low flow – carbon steel) • **ILS** (Low flow – stainless steel) • **LGS** (High flow – carbon steel) 







LAKOS products are protected under multiple U.S. and foreign patents and trademarks. For details contact LAKOS.

LAKOS FILTRATION SOLUTIONS

www.lakos.com

1365 North Clovis Avenue
Fresno, California 93727 USA
Telephone: (559) 255-1601
FAX: (559) 255-8093
info@lakos.com

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04 85 88 02 75 | separateur@gedo.fr | separateurs.gedo.fr
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