### Other Filtration Solutions from LAKOS

**SandMaster**
- **SMP**
  - Centrifugal sand separator
  - For residential usage

**Pump Protection Sand Separator**
- **SUB-K**
  - Submersible pump sand separator
  - For large submersible and turbine pumps
  - Model: PPS

**Sand Irregularities in System**
- Organics, algae and fine particles in water used for drip and micro irrigation
- Sand media filter with precision-engineered underdrain
- Models: PROII (Carbon), SST, SST125 (Stainless, 80psi max)

**Sand Separators**
- Heavy duty centrifugal separator for higher pressures, higher temperatures and when dealing with corrosive water
- Models: ILB, ILS, LGS

### Application Selection Guide

#### Contamination

<table>
<thead>
<tr>
<th>Problem</th>
<th>Recommended Filtration</th>
<th>Benefits</th>
<th>Flow Range</th>
<th>LAKOS Solution</th>
</tr>
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<tbody>
<tr>
<td>Sticks, leaves, algae and other debris in open source water</td>
<td>Self Cleaning Pump Intake Screen</td>
<td>Reliable self-cleaning internal backwash system, keeps water intake area free of debris.</td>
<td>50 - 2,400 U.S. gpm (11.3 - 545 m³/hr)</td>
<td>Self Cleaning Pump Intake Screen Model PC</td>
</tr>
<tr>
<td>Sediment, sand and silt found in water wells</td>
<td>Pump Protection Sand Separator</td>
<td>Eliminates excessive wear to pump's impellers and bearings. Helps maintain pump's efficiency and saves money by reducing energy costs.</td>
<td>100 - 3,180 U.S. gpm (23 - 722 m³/hr)</td>
<td>Pump Protection Sand Separator Model PPS</td>
</tr>
<tr>
<td>Contaminants in water systems</td>
<td>Centrifugal sand separator</td>
<td>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.</td>
<td>3 - 4,350 U.S. gpm (0.5 - 990 m³/hr)</td>
<td>Centrifugal Sand Separator Models: ILB (Low flow – carbon steel), ILS (Low flow – stainless steel), LGS (High flow – carbon steel)</td>
</tr>
</tbody>
</table>

**Agriculture Irrigation Filtration**

- LS-848D (Rev. 10/19)
- Agriculture Irrigation Filtration
Centrifugal Separators

**ProII**

- **Flow Range:**
  - 3-280 GPM (11.3-1055 m³/hr)
  - Maximum Pressure: 150 psi (10.3 bar)

- Features and Benefits:
  - Modular manifold design for easy installation and system expansion
  - Economical and reliable technology
  - Reduced sand wear on pumps and other water system components from algae, leaves, moss, sticks, and other troublesome organics and debris

**Groundwater Separators**

**ILS**

- **Flow Range:**
  - 2264-4770 GPM (8-1,760 m³/hr)
  - Maximum Pressure: 150 psi (10.3 bar)

- Features and Benefits:
  - End view in separator.
  - Sand accumulates behind flapper valve.
  - Separated solids are flushed away from screen.
  - Return line to backwash nozzle.

**Sand Separators**

**LGS**

- **Flow Range:**
  - 50-2,490 GPM (1.8-905 m³/hr)
  - Maximum Pressure: 150 psi (10.3 bar)

- Features and Benefits:
  - No gravel or multi-media layering requirements
  - Fusion bonded powdercoated carbon steel
  - Modular manifold design for easy installation

**Media Tank Filters for Irrigation Systems**

**SST & SST125**

- **Flow Range:**
  - 5-1,837 GPM (1.9-695 m³/hr)
  - Maximum Pressure: 150 psi (10.3 bar)

- Features and Benefits:
  - Lower pressure losses
  - Envelopes optimum mean flow across screen area

**Pump Intake Screen**

- **Flow Range:**
  - 1066-3,186 U.S. gpm (20-222 m³/hr)

- Features and Benefits:
  - Reduced sand wear on pump impellers and bearings
  - Fewer repairs and replacements
  - Lower energy use
  - Lower operating costs
  - Helps maintain optimum pump yield

**Pump Protection Separators**

**PPS**

- **Flow Range:**
  - 1066-3,186 U.S. gpm (20-222 m³/hr)

- Features and Benefits:
  - Reduces maintenance by continuous cleaning
  - Helps protect pumps from sand and debris
  - Reduced sand wear on pump impellers and bearings
  - Lower energy use
  - Lower operating costs
  - Protects pumps from sand and debris

**SST**

- **Flow Range:**
  - 5-1,837 GPM (1.9-695 m³/hr)
  - Maximum Pressure: 150 psi (10.3 bar)

- Features and Benefits:
  - Lower energy use
  - Reduces maintenance by continuous cleaning
  - Helps protect pumps from sand and debris
  - Reduced sand wear on pump impellers and bearings
  - Lower energy use

**Water Well Sand Damage Control**

- **Flow Range:**
  - 1066-3,186 U.S. gpm (20-222 m³/hr)

- Features and Benefits:
  - Reduces maintenance by continuous cleaning
  - Helps protect pumps from sand and debris
  - Reduced sand wear on pump impellers and bearings
  - Lower energy use

**FOR SANDY WELLS**

- **ILB/ILS**
  - **Flow Range:**
    - 3-280 GPM (11.3-1055 m³/hr)
  - **Maximum Pressure:**
    - 150 psi (10.3 bar)

- Features and Benefits:
  - Centrifugal Separator patented technology
  - No gravel or multi-media layering requirements
  - Low and steady pressure loss

**FOR ORGANICS AND OTHER FINE PARTICLES**

- **SST**
  - **Flow Range:**
    - 5-1,837 GPM (1.9-695 m³/hr)
  - **Maximum Pressure:**
    - 150 psi (10.3 bar)

- Features and Benefits:
  - Lower pressure losses
  - Envelopes optimum mean flow across screen area

**FOR SAND, SEDIMENT, AND OTHER SOLIDS**

- **ILS**
  - **Flow Range:**
    - 2264-4770 GPM (8-1,760 m³/hr)
  - **Maximum Pressure:**
    - 150 psi (10.3 bar)

- Features and Benefits:
  - End view in separator.
  - Sand accumulates behind flapper valve.
  - Separated solids are flushed away from screen.
  - Return line to backwash nozzle.