

LAKOS®

Filtration and Separation Systems

Maximum Protection

A LAKOS Pump Protection Separator is installed directly onto a turbine pump's suction casing, to remove the sand before it enters the pump.

Drip irrigation system on almond trees protected by LAKOS IHB Series Separator.



LAKOS SST Series Sand Media Filters protect a drip irrigation system.



Installed between the pump and pressure tank, this SandMaster Separator keeps sand and grit out of a homeowner's water system.



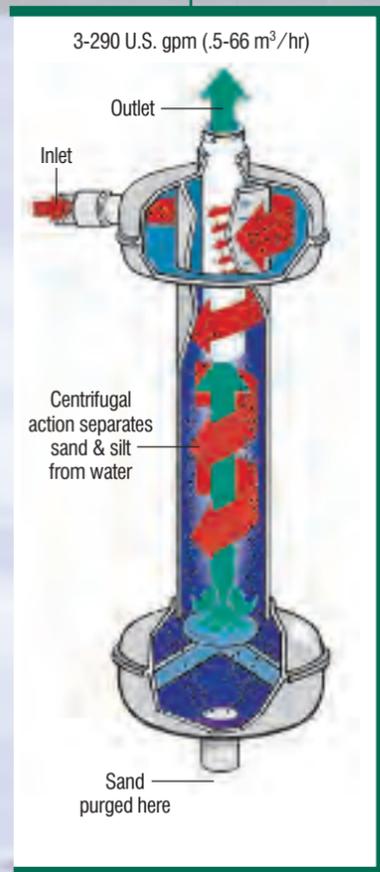
LAKOS Plum Creek Self-Cleaning Pump Intake Screens remove organic matter and debris from surface water, protecting an irrigation pump's intake.



Filtration Techniques

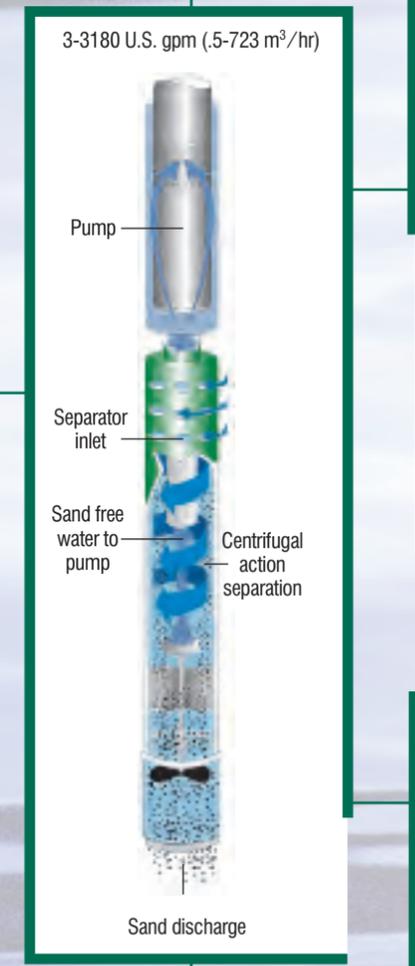
A Family of Filtration

Low Flow Sand Separators



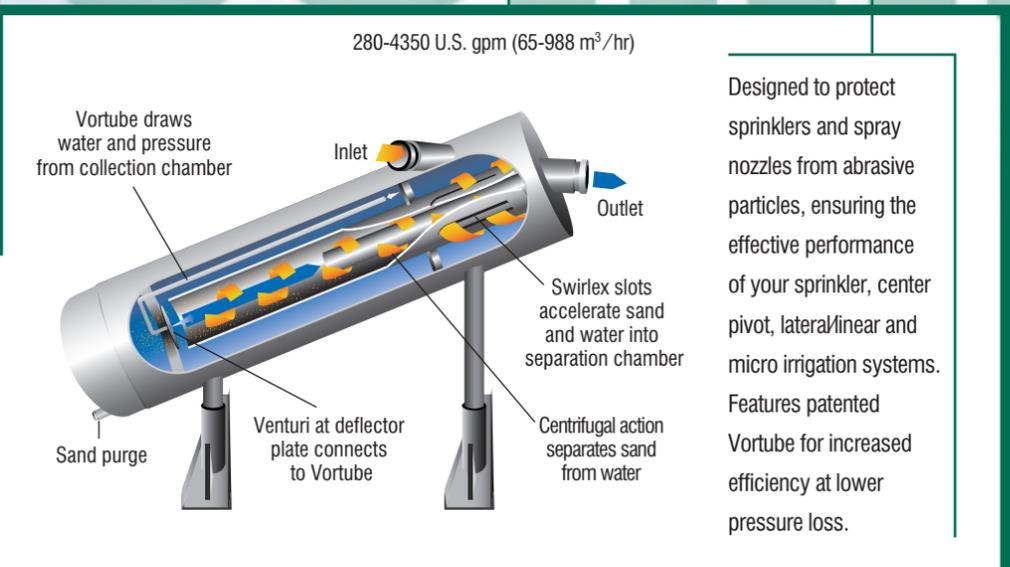
Unique centrifugal action filtration for residential and low-flow ground water and irrigation applications. Removes sand and silt as fine as 200 mesh (74 microns) with no moving parts to wear out.

Pump Protection Separators



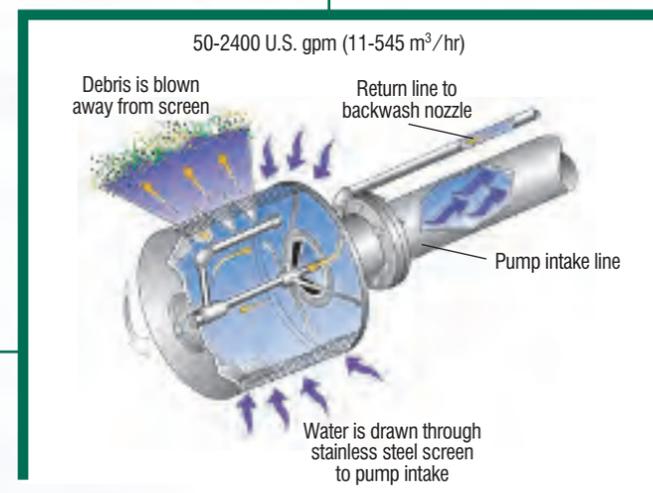
LAKOS Pump Protection Separators remove sand and grit extending a pump's life by 4 times or more. Installed directly onto the suction of a submersible or turbine pump, the Pump Protection Separator is designed and specified for virtually every make and model of pump.

High Flow Sand Separators



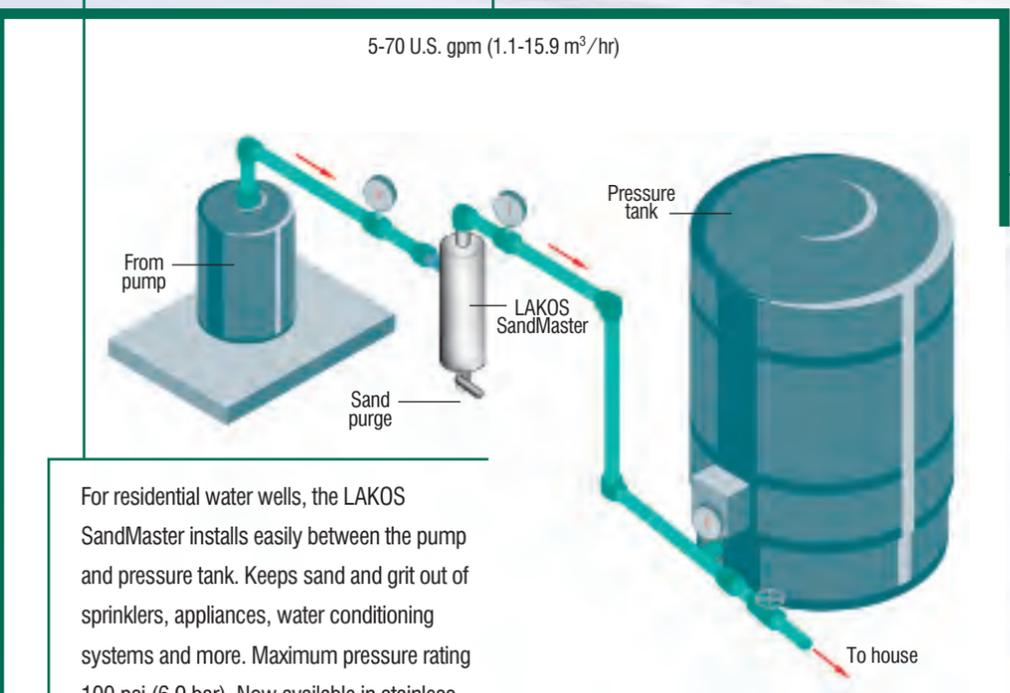
Designed to protect sprinklers and spray nozzles from abrasive particles, ensuring the effective performance of your sprinkler, center pivot, lateral/linear and micro irrigation systems. Features patented Vortube for increased efficiency at lower pressure loss.

Self Cleaning Pump Intake Screens



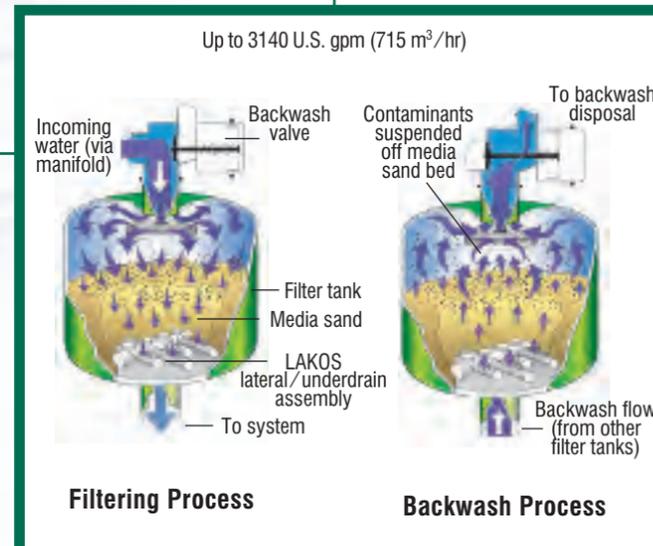
For ag irrigation, golf courses, parks and public works applications. Removes organic and other floating debris from surface water systems to provide a continuous defense against clogging, lost suction and pump wear. Plum Creek models handle a wide range of flow rates and installation angles.

SandMaster Separators



For residential water wells, the LAKOS SandMaster installs easily between the pump and pressure tank. Keeps sand and grit out of sprinklers, appliances, water conditioning systems and more. Maximum pressure rating 100 psi (6.9 bar). Now available in stainless or carbon steel.

Sand Media Filters



Filtering Process **Backwash Process**

Designed for the effective removal of organics, algae and fine particles, LAKOS Sand Media Filters boast solid performance. A unique underdrain achieves the industry's lowest pressure losses, reduces backwash frequency and excessive water loss. Stainless steel or powder-coated carbon steel tank construction with durable cast-steel backwash valves.

Efficient Performance

Irrigation systems. Water supply systems. Pumps.

Water conditioning and treatment systems. No matter what the system or equipment, high performance demands

contaminant-free water. Subjected to sand, grit, scale, algae, organics and other debris, that performance suffers.

Effective, efficient filtration is the answer.

Offering a family of filtration and separation solutions, LAKOS applies the highest level of technology, performance, experience and reliability to solve a full range of contaminant problems. Extend the life of pumps and irrigation systems. Increase the quality and reliability of water supply systems. Maintain the performance of water equipment technology at optimum levels. Keep your water systems consistently trouble-free.

Trust LAKOS for proper solutions, dependable equipment and maximum value.

A Tradition. A Heritage.

Since the mid-1940s, Claude Laval Jr.'s inventions have been solving problems. A camera that takes pictures deep into water wells. A well casing repair device that restores the effective use of a water well. And the first sand separators, which protected submersible and turbine irrigation pumps. Today, the LAKOS Separator is a proven solution for not only irrigation, rural homeowners and public water systems, but in process industries, HVAC comfort cooling systems, and more.

Focusing clearly on filtration, the Laval history features more than 150 U.S. and foreign patents. The complete line of Laval products includes separators, sand media filters, self-cleaning screen filters, pump intake screens and underground camera inspection systems. From a 100,000 square-foot headquarters in Fresno, the heart of California's richest agricultural region, the Claude Laval Corporation operates a complete manufacturing, sales, marketing, engineering and warehousing complex to serve a broad network of dealers and distributors throughout the world.

Experience, quality, performance and integrity. Satisfying real filtration problems with value-oriented solutions. This is the Laval heritage.



LAKOS[®]

Filtration and Separation Systems

A Division of Claude Laval Corporation
Not Connected With The DeLaval Separator Company

USA
1365 North Clovis Avenue
Fresno, California 93727
Toll-Free: (800) 344-7205 (USA, Canada and Mexico)
Telephone: (559) 255-1601
Fax: (559) 255-8093
www.lakos.com
e-mail: info@lakos.com

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.