

LAKOS Low Pressure Sand Separators Filtration for Sprinkler Irrigation Systems

- LAKOS Low Pressure Sand Separators employ centrifugal action to remove sand, silt and other sediment from pumped water.
- With a low and steady pressure loss of 2-6 psi, the LAKOS Low Pressure Sand Separator is designed specifically for low pressure irrigation systems
- Flow ranges from 200gpm (45 m³/hr) to 1300gpm (295 m³/hr)
- Performance-rated to remove 98% of all sand-like particle matter 200 mesh (74-micron, 2.6 specific gravity) and larger
- With no moving parts to wear out, mechanical failures are eliminated and there is no need for replacement parts
- New patented features- Swirlex™ internal accelerating slots for optimal performance and enhanced Vortube™ for improved solids separation/collection
- LAKOS Separators require no backwashing; periodic purging (automatic or manual) eliminates downtime and routine maintenance
- Third-party tested and documented:



LAKOS Separators are manufactured and sold under one or more of the following U.S. Patents: 5,320,747; 5,338,341; 5,368,735; 5,425,876; 5,578,203; 5,622,545; 5,653,874; 5,894,995; 6,090,276; 6,143,175; 6,167,960; 6,202,543; 7,000,782; 7,032,760 and corresponding foreign patents, other U.S. and foreign patents pending.

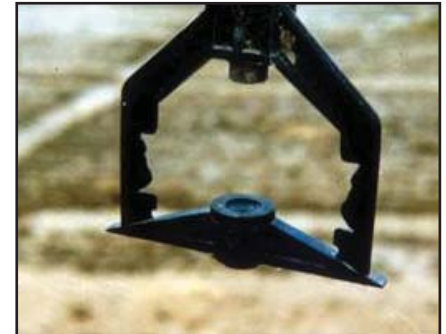
LAKOS Established Performance Using 1/2 the ENERGY



Good water quality and management is important for irrigation systems. Poor water quality can affect the longevity of the entire irrigation infrastructure.

Low pressure irrigation systems are engineered to provide a high level of precision in the delivery of water - precision in both the amount of water as well as the spray pattern.

Sand creates serious challenges for center pivot and linear/lateral move irrigation systems. Plugged or worn nozzles can dramatically change the amount of water and spray pattern delivered.



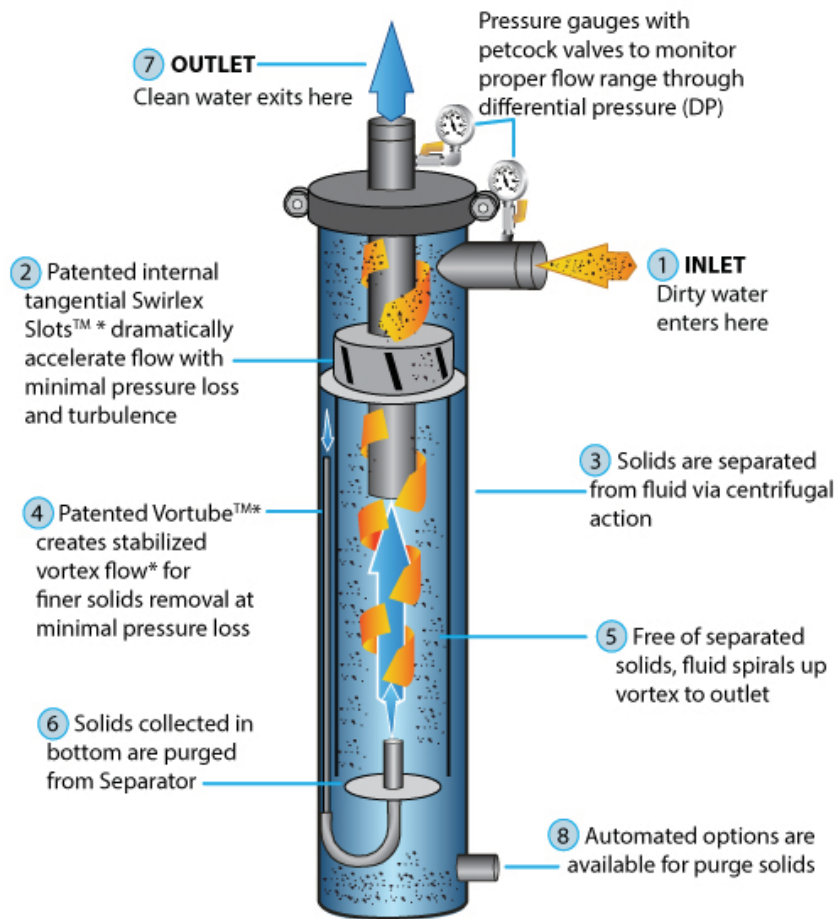
With a pressure loss of only 2-6 psi, the LAKOS Low Pressure Sand Separator can remove troublesome sand, silt and other particles from the supply water and help prevent underwater and/or over watering by preventing spray nozzles from clogging, plugging or wearing.

The LAKOS Low Pressure Sand Separator ensures that precision engineered low pressure irrigation systems operate as designed.



- Same reliable performance of current LAKOS IHB design at half the pressure loss - only 2-6 psi.
- Flow Range:
200 - 1300 gpm
(45 m³/h - 295 m³/h)
- Maximum Pressure Rating:
150 psi (10.3 bar)

How It Works



For More LAKOS Irrigation Solutions

