

# Self-Cleaning Pump Intake Screens By LAKOS

Wherever unprotected pump intakes are threatened by organic debris and other floating solids, LAKOS PC Screens provide a continuous, intelligent defense against clogging, lost suction, and pump wear.

- Wide range of application: rivers, effluent ponds, sumps, lakes, streams, canals, and more!
- Protects against pump and impeller damage
- Saves energy through maintaining pump efficiency
- No manual cleaning or routine shut downs
- Protects the surrounding environment from pump intakes
- Durable construction of reinforced fiberglass and stainless steel



## Automatic Pump Safety Shut-off Control

The Automatic Pump Safety Shut-Off Control protects your pump and suction intake screen from damage in the event of screen clogging and vacuum build-up.



## Other PC Screen resources from LAKOS:

- PC Technical Brochure (PC-115)
- Auto Shut-Off Control Tech Sheet (PC-106)
- Kansas Farm Case Study (CB-10)
- Fuel-Savings Case Study (CB-11)



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# PC SCREENS

## The Open Source Water Self-Cleaning Solution

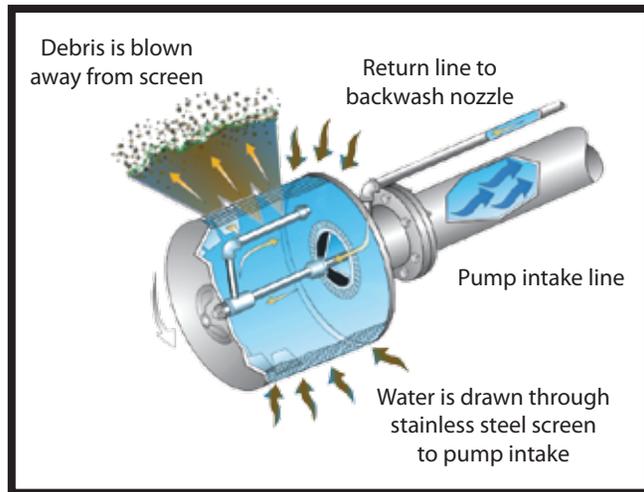


Rotating Screen Reduces Clogging



# Peace of Mind

The LAKOS **self-cleaning** PC Screens offer continuous pump protection without the worry of routine maintenance. The internal backwash system blows debris off and away from the screen, allowing water to flow freely to the pump intake.



## Rotating Screen

The entire screen rotates so that debris is blown away. Other screen filters stay in place, wasting time and energy due to repeated clogging.



# Pump Protection



PC Screens protect pumps and water systems from source water organics and debris. They provide a continuous defense against clogging, lost suction, and pump wear.



## Variety of Materials and Sizes

There are a variety of screen filter options to suit every need. PC screens are available in stainless steel, phosphor bronze, and epoxy coated options. 10, 18, and 30 mesh screen sizes are available. Consult LAKOS for details.

# Savings

## Energy

PC Screens help maintain pump efficiency, reducing the need for longer pumping cycles to deliver the required water volume. The continuously clean screens eliminate potential head/loss pressure and minimize pump energy usage.

## Maintenance

The self-cleaning screens mean no manual cleaning of stationary screens, or routine system shutdowns.

## Environment

The low-velocity operation of the PC Screens keeps fish, mussels, clams, etc. out of pump intakes, preserving the natural surroundings.

