



Smith & Loveless Inc.

NEWS RELEASE

Sept. 18, 2024

Smith & Loveless Inc. Highlights the PISTA®Works™ All-in-One Wastewater Headworks Skid Package

LENEXA (Kan.) – Smith & Loveless Inc., the global leader in advanced grit removal system technologies, highlights the **PISTA®Works™** all-in-one skid wastewater headworks package, an advanced, fully integrated screening and grit removal system. **PISTA®Works™** is an ideal solution for small communities and wastewater systems requiring an affordable, efficient, and high-performance headworks facility, which can be installed with significantly less civil works and construction.

With model flow capacities ranging from 0.5 MGD to 7 MGD, it meets various operational demands while delivering superior performance. This comprehensive system, assembled at S&L's Lenexa, Kansas headquarters, adheres to the *Build America, Buy America* (BABA) Act, ensuring high-quality, American-made components.

The **PISTA®Works™** system combines five critical components into a single, efficient system package:

- **Screening:** Specifiers and end-users may choose from different screen options, including S&L **SCHLOSS™** mechanical bar screens or **SCHLOSS™** and S&L **OBEX™** fine screens.
- **Grit Chamber:** Specifiers can choose from advanced models such as **PISTA® INVORSOR™**, **PISTA® VIO™**, and **PISTA® 360™ with V-FORCE Baffle™**. The proprietary S&L vortex grit chamber geometry induces a true forced vortex flow pattern, which sweeps grit hydraulically along the floor toward the center opening to the lower collection/storage hopper. The **PISTA®** Grit Chamber's vortex action results in the industry's highest removal efficiencies for particles as small as 75 and 100 microns (depending on project requirements).
- **Turbo Grit Pump:** The flooded suction **S&L TURBO™** Grit Pump comes in a remote-mounted arrangement and is exclusively designed for the rigors of transporting grit slurries from the chamber to the grit washing and dewatering stages.
- **Grit Concentrator:** The **PISTA®** Grit Concentrator is a primary grit washing and dewatering device, separating pumped flow into basic components of water, organics and grit. It effectively washes and dewateres grit, achieving more than 95 percent removal of residual organic material.
- **Grit Washer or Dewatering Screw Conveyor:** The **PISTA® TURBO™** Grit Washer and **PISTA®** Grit Screw Conveyor produce dry, clean grit with less than 5 percent organic content, minimizing odors and landfill disposal costs. Both options offer industry-leading 95 percent grit retention, ensuring superior performance in the complete grit removal and dewatering process across all flows.

continued

FOR MORE INFORMATION, CONTACT:

Darby Ritter, Marketing Communications Manager

dritter@smithandloveless.com | (913) 888-5201 ext. 494



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The **PISTA® Works™** system is custom-engineered for seamless automation and easy installation. It features a PLC-based control system with **QUICKSMART®** Controls, offering an intuitive touchscreen interface for simplified operation and data management. The integrated screening system provides flexible options, catering to specific project needs.

The design maintains a compact footprint, reducing installation time and costs. Made entirely of stainless steel (available in 304 or 316 configurations), **PISTA® Works™** promises durability and dependable service with the lowest life-cycle costs.

For more information about the **PISTA® Works™** Grit Removal System and other Smith & Loveless products, visit www.SmithAndLoveless.com.

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About Smith & Loveless, Inc.

Founded in 1946, Smith & Loveless Inc. is a global manufacturing leader of engineered systems for the water and mining industries with installations in more than 75 nations around the world. For more information on Smith & Loveless Inc. and its products, visit www.smithandloveless.com, and follow the company on [LinkedIn](#) and [Twitter](#).

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