



Smith & Loveless, Inc.

## FOR IMMEDIATE RELEASE

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## Smith & Loveless Inc. Highlights the PISTA® VIO™ Grit Removal Chamber

### *Superior Grit Removal with Unprecedented Design Flexibility*

**LENEXA, Kan.** – Smith & Loveless Inc. highlights the **PISTA® VIO™** Grit Removal Chamber, featuring a versatile chamber design that brings S&L's industry-leading grit removal performance to tight spaces with unique layout requirements. The innovative design of the **PISTA® VIO™**, which stands for Variable Inlet Outlet, provides the ability to arrange the inlet and outlet channels at any angle up to the full 360° of the chamber.

The **PISTA® VIO™** achieves 95% grit removal efficiency of particles down to 100 microns in size, across all flow conditions. Its flow maximizer baffle and tunnel system create an effective vortex flow pattern, while the effluent flume counteracts the weir effect, significantly reducing grit bypass. With a 5:1 turndown capability, the **PISTA® VIO™** delivers exceptional performance and reliability during low-flow, average daily and peak flow conditions without derating.

All advanced **PISTA®** models deliver unmatched performance thanks to Smith & Loveless's proprietary baffled vortex grit chamber designs. The unique chamber geometry and internal baffling induces a true forced vortex flow pattern causing grit to be hydraulically swept along the floor toward the center opening to the lower collection/storage hopper. This state-of-the-art design leads to superior performance of **PISTA®** vortex grit chambers compared to conventional sloped-floor designs which rely on less efficient particle settling.

The full variability of the **PISTA® VIO™** inlet and outlet channels provides unprecedented application flexibility enabling designers to configure the system to accommodate existing sites and optimize space utilization on new sites.

To read and learn more about the superior grit removal and unprecedented design flexibility of the **PISTA® VIO™**, visit [www.SmithAndLoveless.com](http://www.SmithAndLoveless.com).

### 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](http://www.SmithAndLoveless.com), and follow the company on [LinkedIn](#) and [X \(Twitter\)](#).