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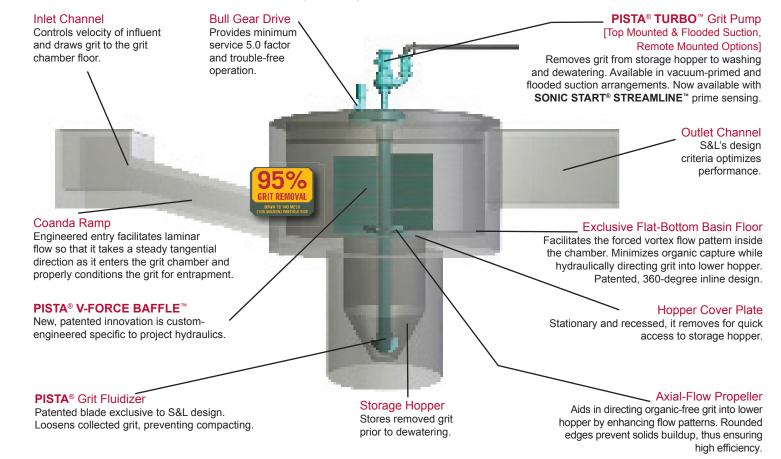
Smith & Loveless, Inc.[®] 14040 Santa Fe Trail Drive Lenexa, Kansas 66215-1284 **PISTA[®]** Grit Removal System Selection Chart August 2012 Page B1

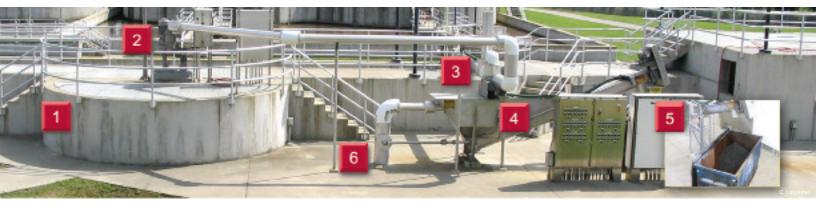
Selecting PISTA[®] Grit Removal System

	Grit Removal Efficiency	Internal Flow Control Feature	Internal Inlet Channel Velocity Control	Smaller Footprint	Rotation
PISTA [®] 270™ Grit Chamber	 95% of 50 Mesh (300 Microns) and Larger 85% of 70 Mesh (210 Microns) and Larger, but less than 50 Mesh (300 Microns) 65% of 100 Mesh (150 Microns), but less than 70 Mesh (210 Microns) 				270°
PISTA [®] 360™ Grit Chamber with Weir	 95% of 50 Mesh (300 Microns) and Larger 85% of 70 Mesh (210 Microns) and Larger, but less than 50 Mesh (300 Microns) 65% of 100 Mesh (150 Microns), but less than 70 Mesh (210 Microns) 				360°
PISTA [®] 360™ Grit Chamber with V-FORCE BAFFLE™	•95% of 140 Mesh (105 Microns) and Larger	*	~	✓	360°

GRIT REMOVAL SYSTEM 360[™] Grit Chamber Features and Benefits

with V-FORCE BAFFLE[™] (Model B)

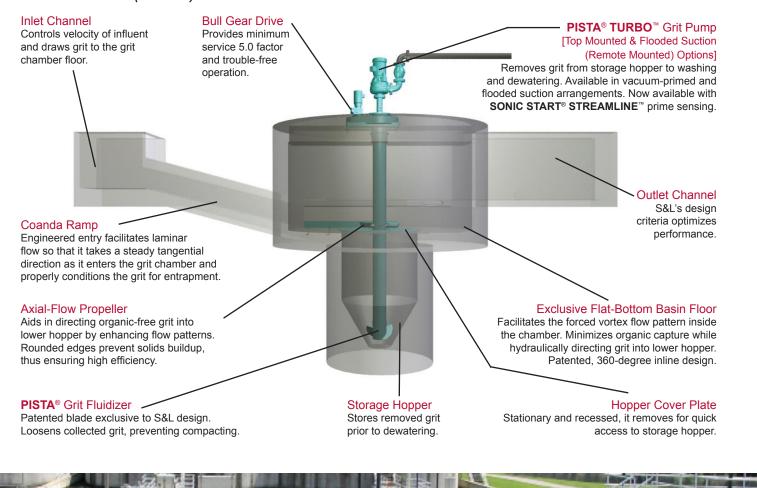




PISTA Grit Removal, Handling & Dewatering System Flow Scheme

- 1 **PISTA® Grit Chamber** Influent enters flat-floor grit chamber hydraulically guided by coanda ramp, internal baffles and central, low-speed propeller. Forced vortex drives grit particles to center chamber floor and into lower grit hopper while organics and flow continue to plant.
- 2 PISTA[®] TURBO[™] Grit Pump Top mounted or flooded suction, remote mounted unit pumps collected grit slurry (kept fluid by the **PISTA[®]** Grit Fluidizer) to the **PISTA[®]**'s second-stage grit washing and dewatering system while also providing proper head.
- PISTA® Grit Concentrator Specifically engineered for the PISTA® system, this abrasion-resistant unit washes grit further. It positions on the grit discharge line.
- 4 **PISTA® TURBO™ Grit Washer or PISTA® Grit Screw Conveyor** — Grit from the concentrator deposits into the parallel (lamella) plate section of the S&L dewatering equipment, which aids in retaining finer grit and reducing the stream's turbulence and overflow rate.
- **Dewatered Grit Discharges** from the top of the inclined screw into a container for disposal.
 - **The Flow and any Residual Organics are Returned** to the inlet channel prior to the grit chamber.

GRIT REMOVAL SYSTEM 360[™] Grit Chamber Features and Benefits (Model A)



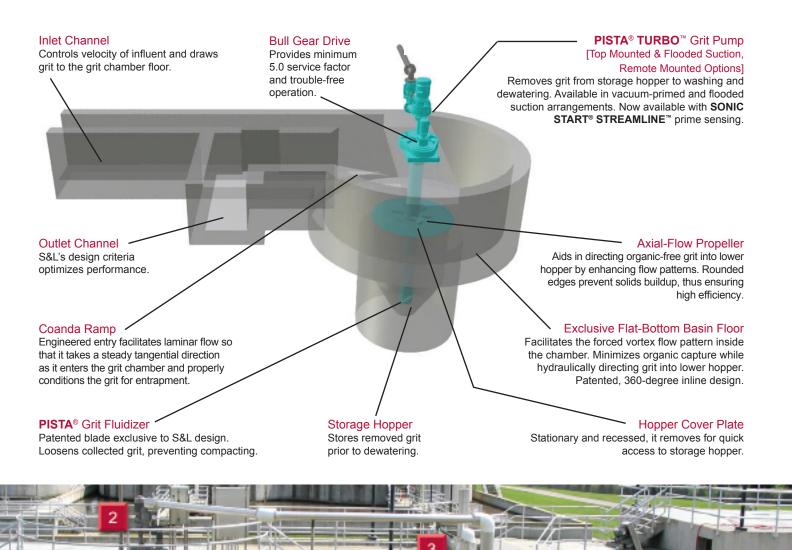


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PISTA Grit Removal, Handling & Dewatering System Flow Scheme

- **PISTA® Grit Chamber** Influent enters flat-floor grit chamber hydraulically guided by coanda ramp, internal baffles and central, lowspeed propeller. Forced vortex drives grit particles to center chamber floor and into lower grit hopper while organics and flow continue to plant.
- 2 **PISTA® TURBO™ Grit Pump** Top mounted or flooded suction, remote mounted unit pumps collected grit slurry (kept fluid by the **PISTA®** Grit Fluidizer) to the **PISTA®**'s second-stage grit washing and dewatering system while also providing proper head.
 - **PISTA® Grit Concentrator** Specifically engineered for the **PISTA®** system, this abrasion-resistant unit washes grit further. It positions on the grit discharge line.
- 4 **PISTA® TURBO™ Grit Washer or PISTA® Grit Screw Conveyor** — Grit from the concentrator deposits into the parallel (lamella) plate section of the S&L dewatering equipment, which aids in retaining finer grit and reducing the stream's turbulence and overflow rate.
 - **Dewatered Grit Discharges** from the top of the inclined screw into a container for disposal.
- 6 **The Flow and any Residual Organics are Returned** to the inlet channel prior to the grit chamber.

PISTA 270[™] Grit Chamber Features and Benefits



PISTA GRIT REMOVAL SYSTEM GRIT REMOVAL, Handling & Dewatering System Flow Scheme

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- 1 **PISTA® Grit Chamber** Influent enters flat-floor grit chamber hydraulically guided by coanda ramp, internal baffles and central low-speed propeller. Forced vortex drives grit particles to center chamber floor and into lower grit hopper while organics and flow continue to plant.
- PISTA[®] TURBO[™] Grit Pump Top mounted or flooded suction, remote mounted unit pumps collected grit slurry (kept fluid by the PISTA[®] Grit Fluidizer) to the PISTA[®]'s second-stage grit washing and dewatering system while also providing proper head.
 - **PISTA® Grit Concentrator** Specifically engineered for the **PISTA®** system, this abrasion-resistant unit washes and separates grit further. It positions on the grit discharge line.
- 4 **PISTA® TURBO™ Grit Washer or PISTA® Grit Screw Conveyor** — Grit from the concentrator deposits into the parallel (lamella) plate section of the S&L dewatering equipment, which aids in retaining finer grit and reducing the stream's turbulence and overflow rate.

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- **Dewatered Grit Discharges** from the top of the inclined screw into a container for disposal.
- 6 *The Flow and any Residual Organics are Returned* to the inlet channel prior to the grit chamber.