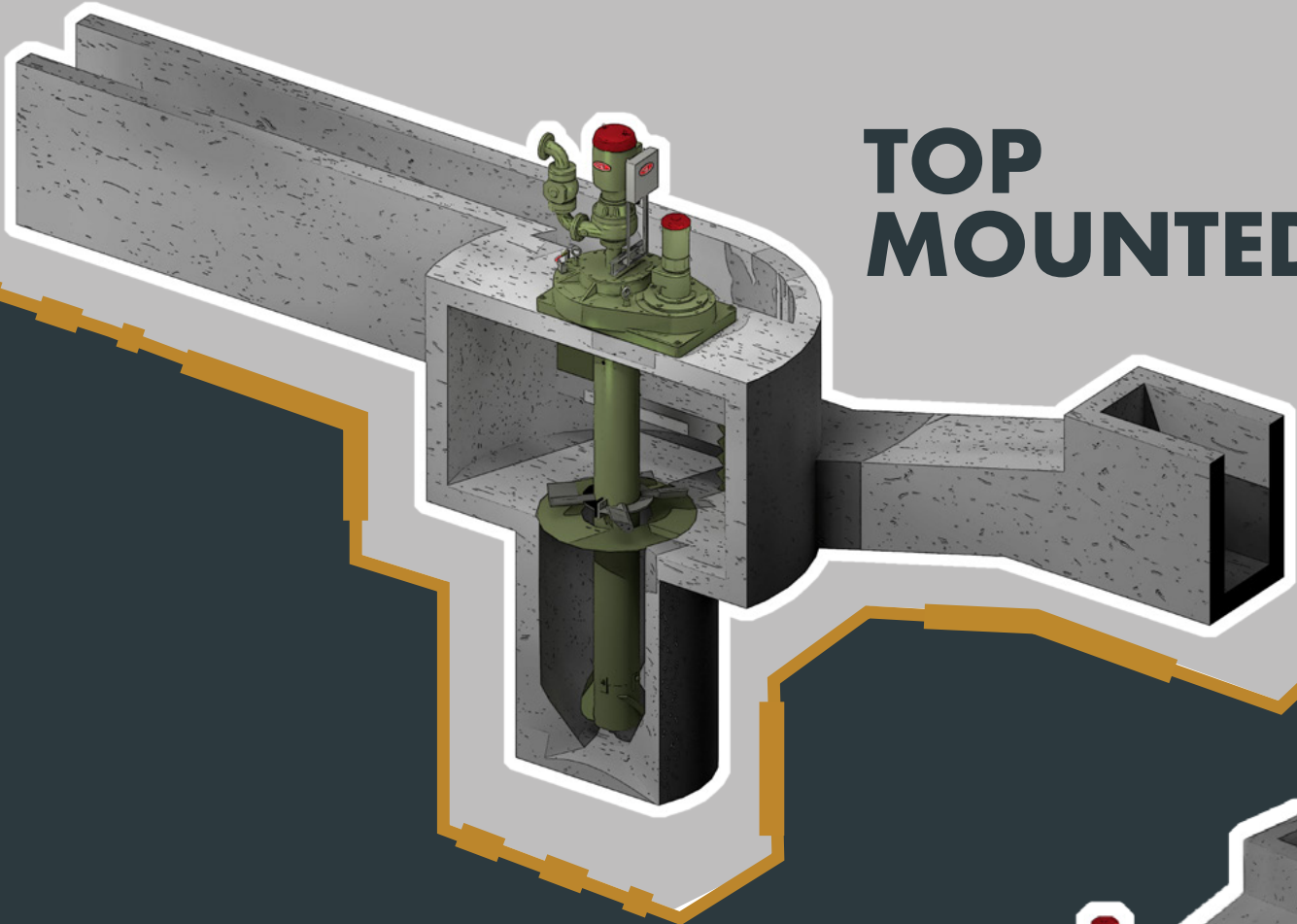


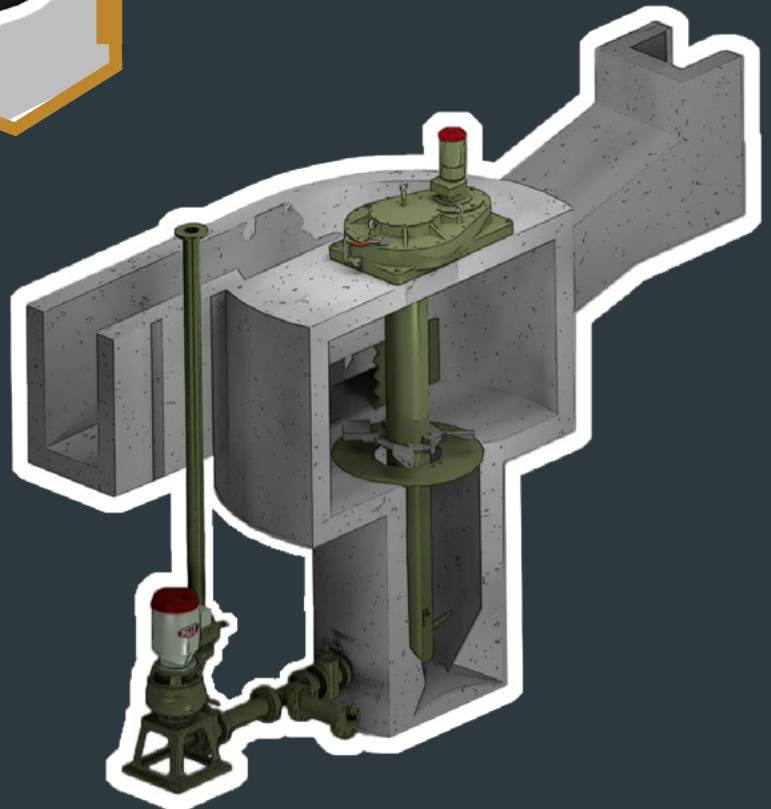
PISTA[®]

GRIT REMOVAL SYSTEM

**TOP
MOUNTED**



**REMOTE
MOUNTED**



REMOTE MOUNTED



TOP MOUNTED



The innovative **PISTA® TURBO GRIT PUMP™** is available in both top-mounted vacuum-primed and remote-mounted flooded suction. Special features include a Ni-Hard volute, Ni-Hard recessed impeller, stainless steel shaft, heavy-duty bearings and mechanical seals.

Email retrofit@smithandloveless.com to start your order for the **PISTA® TURBO GRIT PUMP™** with four-inch and six-inch piping arrangements based on your needs.

TOP TOP TOP



1945

1960

1980

2000+

The vacuum primed pump was created

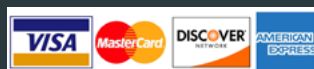
S&L® created the first flooded suction grit pump

The first S&L® vacuum primed grit pump was created

S&L® continues to innovate in the grit pump field.

TOP MOUNTED ADVANTAGES

- Eliminates Additional Excavation Required for a Pump Room
- Drops Prime After Each Cycle, Minimizing the Potential of Clogging
- Options for Additional Redundancy (Spare Rotating Assembly -Pump Motor, Pump Seal and Impeller)



TO ORDER, CALL

1-800-922-9048



Explore S&L®
PISTA®TURBO
GRIT PUMPS

REMOTE MOUNTED ADVANTAGES

- No Priming Cycle Required
- Allows for Two Pumps per Chamber
- Uses Flush Water to Fluidize Suction Pipe



REMOTE REMOTE REMOTE

VACUUM PRIMING VS. FLOODED SUCTION



REMOTE MOUNTED PISTA® TURBO GRIT PUMP™

- Flooded Suction and Continuously Primed
- Uses Flush Water to Keep Grit Fluid After Each Pump Cycle
- Ability to Have Two Pumps for High-Volume Grit Removal
- Double Pumps Can Pump 1,000 GPM for High-Volume Grit Sites

BOTH STYLE PUMPS

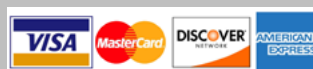
TOP MOUNTED PISTA® TURBO GRIT PUMP™

- Lower Operational Costs, Eliminating Expensive Piping
- Lowers Head Requirements and Horsepower Requirements
- Drops Prime and Grit in Suction -Pipe After Each Pumping Cycle
- Has Sonic Start® and Wavestart® Prime Sensing
- Vacuum Priming



- No Belts or Sheaves
- Consistent 250 or 500 GPM Pumping
- Ample Velocity for Effective Grit Washing and Dewatering Devices
- Capable of Withstanding Severe Weather
- Ni-Hard Impeller and Volute
- 4" Or 6" Diameter Pumps
- Oversized Thrust Bearings and Stainless-Steel Shaft

BOTH STYLE PUMPS



TO ORDER, CALL 1-800-922-9048

Flushing

- Injection of Plant-Effluent Water Into the Suction Side of a Flooded Suction Grit Pump Reduces Chances for Clogs or Slug of Grit Entering the Pump
- Not Required for a Top Mounted Grit Pump

Fluidization

- Uses Agitation to Prevent Grit Compaction in the Lower Grit Chamber
- Uses Fluidizing Vanes Rather than Fluidizing Water. Fluidizing Vanes are Attached to an Extended Drive Tube and Extend Into the Lower Chamber, Providing Mechanical Agitation
- Fluidizing Vanes Eliminate the Need for Using Constant Fluidizing Water

S&L PISTA® VS. HORIZONTAL BELT DRIVEN GRIT PUMPS

S&L Grit Pumps

- Vertical, Direct Coupled Pump is Easier to Maintain
- No Belt Maintenance
- Keep Grit Slurries Inside the Pump Volute When Accessing Impeller or Removal of the Rotating Assembly
- Take Up Less Space
- Do Not Require Shaft Sleeves
- Totally Driven by a Solid Stainless-Steel Shaft

Horizontal Belt Driven Grit Pumps

- Grit Slurry Spills When Split Open for Accessing the Impeller
- Belt Maintenance Required
- Take Up More Space

Both

- Non-Clogging, Recessed Impeller and Torque-Flow Vortex Type
- Contain Ni-Hard Impellers and Ni-Hard Volutes per Specifications

Smith & Loveless, Inc.
14040 Santa Fe Trail Drive
Lenexa, KS 66215

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COMMUNICATIONS



PISTA[®]
GRIT REMOVAL SYSTEM

