



## PISTA® TURBO™ Grit Pump for Maximum Grit Pumping Efficiency

The **PISTA® TURBO™** Grit Pump's heavy-duty design provides maximum grit pumping efficiency for Smith & Loveless **PISTA®** Grit Chamber grit hoppers. Designed specially for pumping grit slurry, the **PISTA® TURBO™** Grit Pump comes equipped with a Ni-Hard volute and recessed impeller (located separately from the abrasive flow path) as well as the famous staples of S&L pump design: an oversized, stainless steel shaft and oversized bearings. This powerful combination yields reliable grit pumping and the velocity required for effective grit washing and dewatering devices, day-in and day-out for numerous years.

### Benefits

#### Flexible Application

**PISTA® TURBO™** Grit Pumps can be top-mounted vacuum-primed (with **Sonic Start®** prime sensing) or remote-mounted flooded suction (photo at right). Top-mounted units eliminate expensive piping while lowering the head and horsepower requirements — and thereby lowering operational costs.



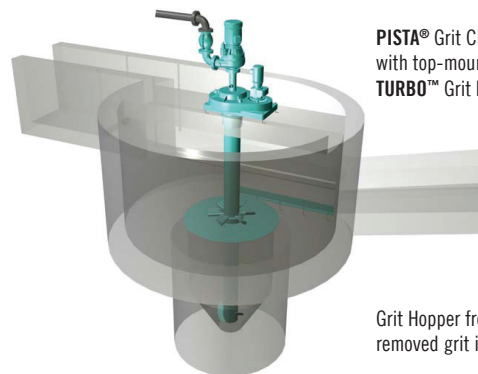
*Remote-mounted flooded suction arrangement*

#### Ideal Upgrade for Airlifts

Older systems may employ airlifts, which are less efficient and require blowers to remove collected grit. The **PISTA® TURBO™** Grit Pump delivers more flow at a higher head, including at higher elevations.

#### How it Works

As the hopper fills, the pump is triggered, eliminating continuous pumping.



**PISTA®** Grit Chamber with top-mounted **PISTA® TURBO™** Grit Pump

Grit Hopper from which removed grit is pumped

### PISTA® TURBO™ Grit Pump Data

<b>Capacity:</b>	Up to 500 GPM (31.5 lps)
<b>Sizing:</b>	4" and 6" (100 - 150 mm)
<b>Type:</b>	Top-Mounted Vacuum Prime or Remote-Mounted Flooded Suction
<b>Materials:</b>	Ni-Hard Impeller & Volute

## Top-Mounted PISTA® TURBO™ Grit Pump 3-D Cutaway

Oversized thrust bearing  
(locked for no end play)

Oversized stainless  
steel shaft

Heat dissipating bronze  
mechanical shaft seal

Recessed Ni-Hard Impeller

Vertical construction of pump  
makes removal of motor and  
impeller easy

