



# **Achieve Superior Grit Removal for the Lowest Total Cost of Ownership**



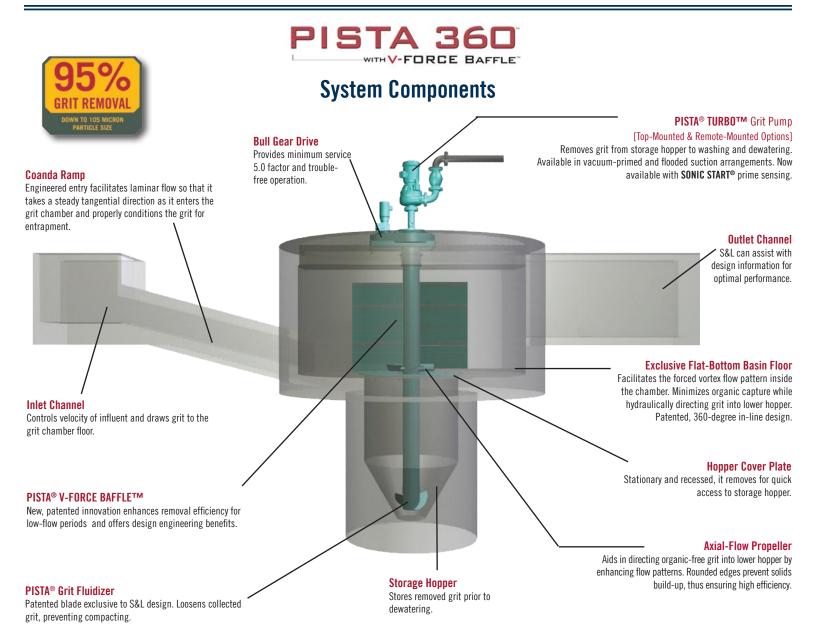
### The PISTA® Difference

Hydraulic vortex removal with S&L's proprietary flatfloor and internal baffle design makes the PISTA® 360™ completely unique from all other grit removal systems, which rely on less efficient settling properties and larger tank sizes. Offering the lowest life cycle costs for superior grit removal, the PISTA® 360™ delivers tremendous value for plant investment and rises above all other grit removal systems in these critical areas:



Hydraulic action from chamber geometry sweeps grit toward hopper.

- S&L Hydraulic Removal vs. Others' Settling Methods Inside the grit chamber, the PISTA® 360™ design causes grit to be hydraulically swept across the flat chamber floor toward the center opening (unlike conventional sloped floor and stacked tray settling systems. The PISTA's chamber geometry not the center propeller is what induces the vortex action. The propeller's primary function is to lift and separate the lighter organic particles in the flow while the heavier particles are driven to the center opening as shown above.
- Superior Grit Removal Efficiency 95% of grit particles down to 105 microns (140 mesh) is the industry's best against the true grit that causes headaches for any plant operation.
- Lowest Total Installed and Energy / Utility Costs Compared to conventional sloped-vortex and stacked-tray settling systems, the PISTA®
  360™ with a 10:1 turndown typically offers smaller tankage resulting in significantly less concrete for installation and the elimination of downstream level control. With considerably less power and utility water requirements, its operational costs are significantly lower over time.
- Unequaled Innovation, Experience & R&D No company has dedicated more to successful grit removal than S&L. Decades of R&D, continual new product innovations backed by 2,500+ installations, the most of any grit removal system supplier.



## **Key Cost-Saving Benefits**

### # of Units Required

The wider 10:1 turndown can reduce the number of units required, reducing capital costs up to 75%.

#### **Installation Factors**

Forced vortex chamber design requires significantly less concrete than conventional and stacked tray systems — as much as 85%.

### **Flow Control Requirements**

**PISTA®** systems minimize headloss and can eliminate the need for downstream level control devices.

#### **Superior Grit Removal Efficiency**

**PISTA®** provides 95% grit removal to extend life of downstream equipment and eliminate the need to remove accumulated grit.

## **Models & Capacities**

Model Number	Max. Flow (U.S.)	Max. Flow (Metric)
0.5B	0.5 MGD	1,892 CMD   22 LPS
1.0B	1.0 MGD	3,785 CMD   44 LPS
2.5B	2.5 MGD	9,465 CMD   110 LPS
4.0B	4.0 MGD	15,140 CMD   175 LPS
7.0B	7.0 MGD	26,495 CMD   307 LPS
12.0B	12.0 MGD	45,420 CMD   526 LPS
20.0B	20.0 MGD	75,700 CMD   876 LPS
30.0B	30.0 MGD	113,550 CMD   1,314 LPS
50.0B	50.0 MGD	189,250 CMD   2,190 LPS
70.0B	70.0 MGD	265,000 CMD   3,067 LPS
100.0B	100.0 MGD	378,500 CMD   4,381 LPS

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