



Smith & Loveless Inc.
Above All Others.

PISTA®WORKS™ Package



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FOUR HEADWORKS PROCESSES
ON ONE SKID PACKAGE

PISTA®Works™ Complete Screening and Grit Removal All-in-One Package

Features

- Skid mounted headworks package
- Complete system design and compact footprint
- Pre-assembled and shipped, virtually eliminating construction costs. (Excluding **OBEX™ Spiral Fine Screen** and **PISTA® Grit Concentrator** Overflow Piping, which are installed in the field)
- All equipment components constructed of stainless steel for years of dependable service
- Utilizing multiple patented technologies including **PISTA® 360™** with **V-FORCE BAFFLE™** and **PISTA® TURBO™ Grit Washer**
- **PISTA® TURBO™ Grit Pump**
- Designed to minimize maintenance costs and maximize the service life

Package Components

The complete system provided by Smith & Loveless includes:

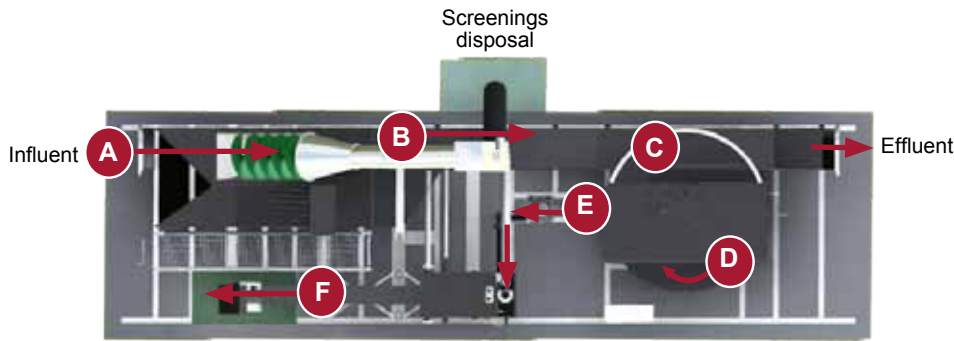
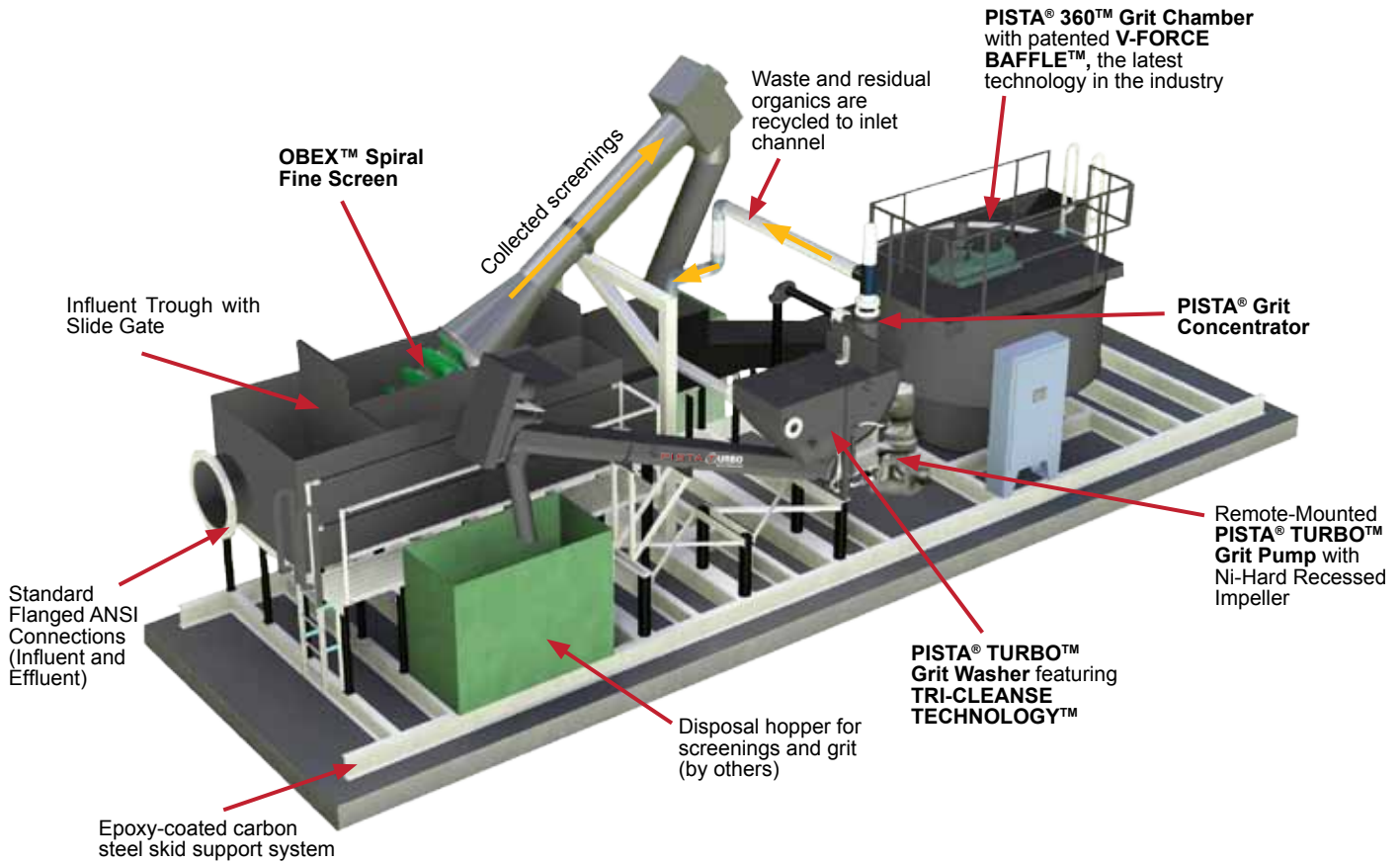
- ANSI flanged connections
- Influent trough with slide gate
- 6 mm **OBEX™ Spiral Fine Screen**
- Manual Bypass Bar Screen
- **PISTA® 360™ Grit Chamber** with patented **V-FORCE BAFFLE™**
- **PISTA® TURBO™ Grit Pump**
- Two platforms for easy equipment access
- Ni-Hard **PISTA® Grit Concentrator**

PISTA®Works™ Sizing Data

| Model | Peak System Flow Capacity |
|-------------|-----------------------------|
| 0.5B | (0.5 MGD) 1,890 CMD |
| 1.0B | (1.0 MGD) 3,785 CMD |
| 2.5B | (2.5 MGD) 9,460 CMD |
| 4.0B | (4.0 MGD) 15,140 CMD |
| 7.0B | (7.0 MGD) 26,500 CMD |

- **PISTA® TURBO™ Grit Washer** featuring **TRI-CLEANSE TECHNOLOGY™**
- Integrated disposal hopper for screenings and grit
- PLC-based control system with touch screen, color HMI interface and NEMA 4X panel to operate the entire system
- Epoxy-Coated carbon steel skid supports the complete system & filled with grout

System Diagram



PISTA®Works™ Flow Scheme

- A** Influent connection to **OBEX™ Spiral Fine Screens**
- B** To **PISTA®** influent channel
- C** To **PISTA® 360™ Grit Chamber** with patented **V-FORCE BAFFLE™**
- D** Grit is separated from wastewater and collected in lower hopper
- E** **PISTA® TURBO™ Grit Pump** moves the grit to the **PISTA® Grit Concentrator** and **PISTA® TURBO™ Grit Washer** for washing and dewatering
- F** Final grit disposal

Represented By: