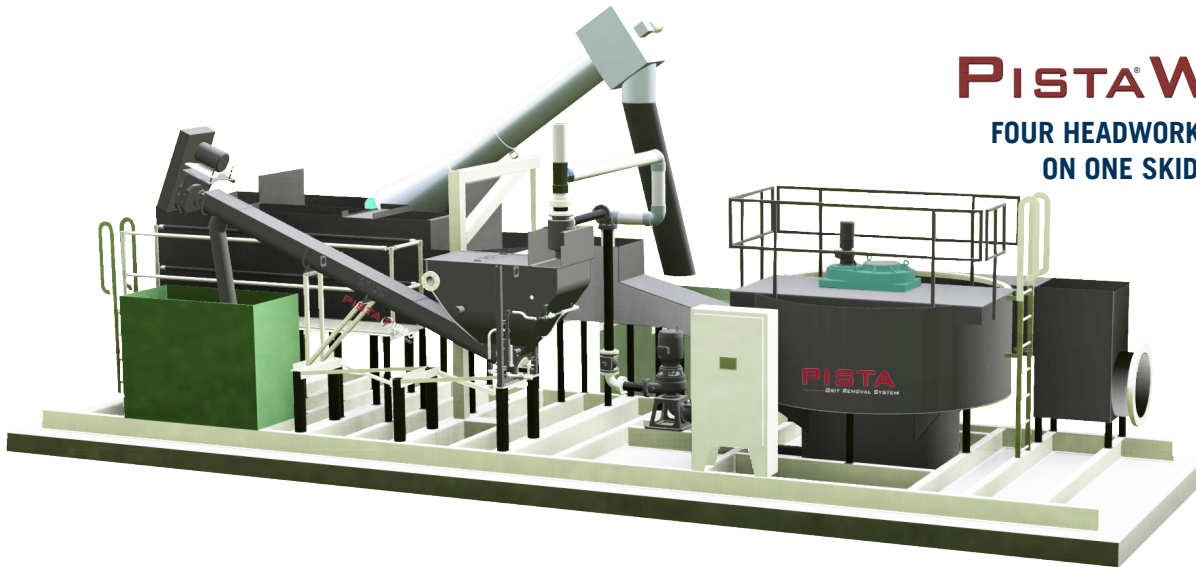


## PISTA® Works™

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:*

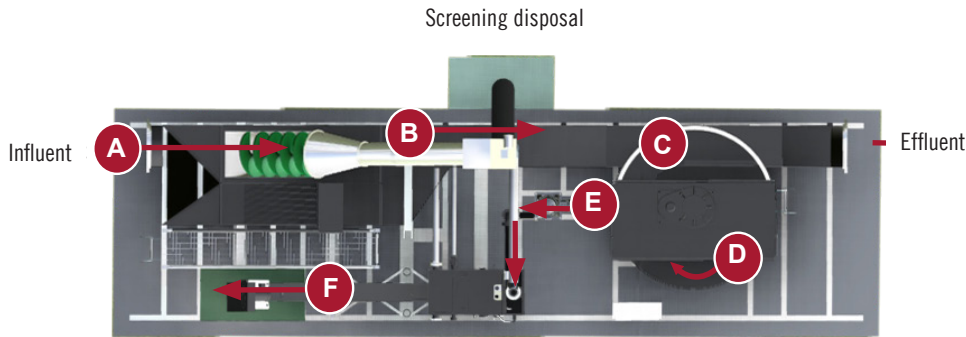
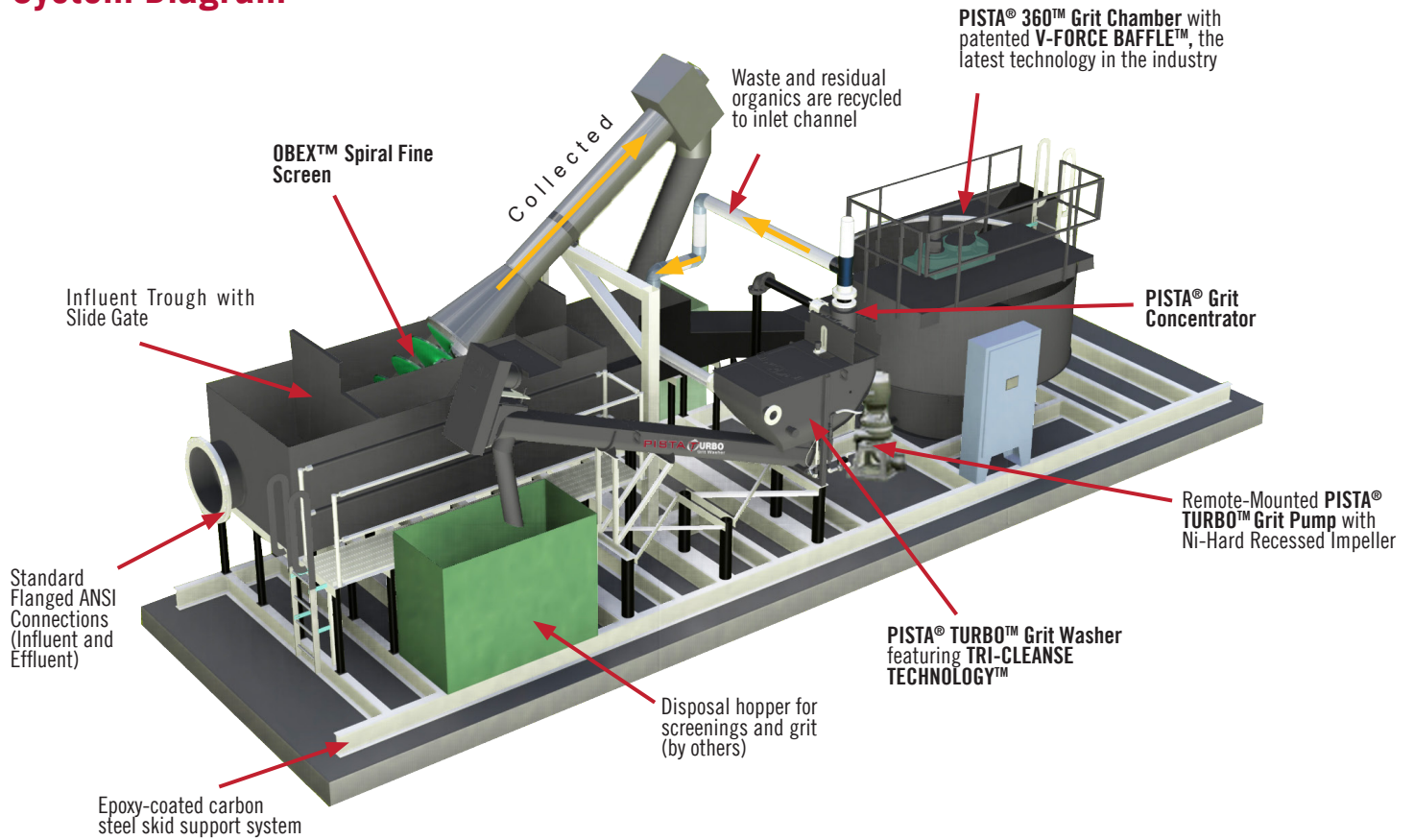
- ANSI flanged connections
- Influent trough with slide gate
- 6 mm **OBEX™ Spiral Fine Screen**
- Manual Bypass Bar Screen
- **PISTA® 360™ Grit Chamber** with patented **V-FORCE BAFFLE™**
- **PISTA® TURBO™ Grit Pump**
- Two platforms for easy equipment access
- Ni-Hard **PISTA® Grit Concentrator**

### 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 & is 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