



#### Characteristics:

#### SYSTEM OPERATION

#### Continuous Operation:

1. Influent enters the circular settling chamber through inlet channel
2. The stream decelerates and all particulate with a SG1 tends to settle toward the upper settling tank bottom
3. A slowly rotating impeller creates a vortex zone which acts only on the lower density particles, spiraling them upward to the chamber outlet
4. The denser grit particles settle further into the lower grit chamber to settle on the bottom

#### Cyclic Operation:

##### Fluidizing Air Line

1. On a timed start, an air blower starts and injects a high velocity air stream into the Lower settling zone to fluidize the settled grit and break up any lumps.
2. A three way valve diverts the air stream into a second line which feeds air into the bottom of the extraction pipe. The bubbles rise rapidly through buoyancy, inducing suction from the bottom and of the pipe.  
The cycle pumping cycle continues until it times out.
3. The cycle repeats every few hours, depending on the grit loading.

# Circular degritter VORTEX PRO

## PRODUCTS

