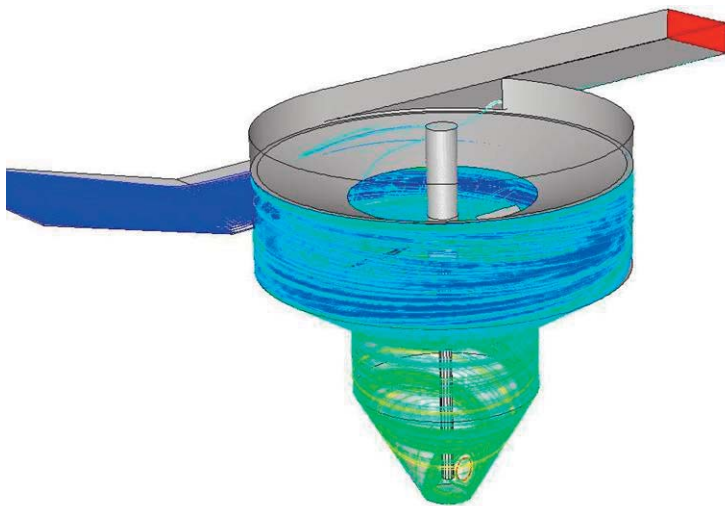


NEW MECTAN 360

General Description

The new MECTAN 360 is a complete redevelopment of the classic John Meunier Inc.'s MECTAN Vortex Grit Chamber. The unit capitalizes on the existing, Grit Removal enhancing conical design of the original MECTAN design to evolve into a dynamic, highly performing new configuration. The added features are the following:

- Inlet channel entering the Vortex Grit Chamber in the low portion of the tank.
- Complete separation of the Vortex Grit Removal Zone from the Flow Outlet Zone with an added steel cone in the tank.
- Optimization of the Paddle Mixer Design to enhance the Vortex Flow Patterns in the Vortex Grit Removal Zone.
- Re-design of the tank's outlet channel than can now be in-line with the inlet channel direction, but also located at any location along the periphery of the MECTAN 360 tank.



Benefits

- Complete control over the Vortex Grit Removal process at any flow rate.
- Enhanced plant design flexibility of the tank's outlet channel configuration.
- Rugged Paddle Mixer design maintaining optimum Grit Removal conditions, while limiting Organics accumulation in the Grit Well.
- Hydraulically safe tank design maintaining nominal Market Standard Grit Removal Performances even under power failure conditions.
- Easy to install inner cone design providing added Grit Removal Process stability and reliability.

Grit Removal Performance

The new MECTAN 360 guaranties the same Grit Removal Efficiency as requested in Market Standards:

- 95% Removal of Grit greater than 50 mesh in size
- 85% Removal of grit greater than 70 mesh in size
- 65% Removal of grit greater than 100 mesh in size

Preliminary trials indicate the MECTAN 360 configuration should surpass any other design in the difficult removal of Grit in the 140 mesh range.

JOHN MEUNIER

NEW MECTAN 360

Hydraulic Performance

The MECTAN 360 is designed to maintain performance over a wide variety of hydraulic conditions. The unit benefits from the completely enclosed Vortex Grit Zone under the separation cone, thus limiting the adverse effects of bad level control in the downstream structures of the plant.

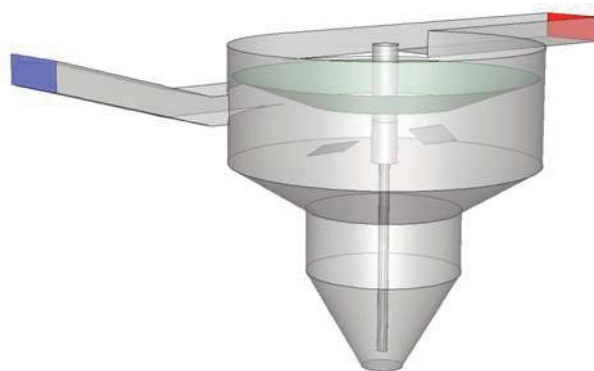
Preliminary Trials indicate that the MECTAN 360 could maintain Market Standard Grit Removal Performance when pushed up to 125% of its nominal flow rate, thus providing impressive robustness to its application.

Revolutionary Configuration

The MECTAN 360, while addressing all the state of the art possibilities also provides the capacity for flexible outlet channel design. This feature makes the MECTAN 360 design the most flexible Vortex Grit Removal Design currently available in the market.

Patent

The MECTAN 360 is currently patent pending.



John Meunier Inc. ISO 9001 : 2008

4105, rue Sartelon
Saint-Laurent, QC , Canada
H4S 2B3
T 514-334-7230 • F 514-334-5070

2000 Argentia Road, Plaza IV, Suite 430
Mississauga, ON, Canada
L5N 1W1
T 905-286-4846 • F 905-286-0488

2209 Menlo Ave
Glenside, PA, USA
19038
T 215-885-4740 • F 215-885-4741



Solutions & Technologies

info@johnmeunier.com
www.johnmeunier.com