

Trident Manure Separator *with Posi-Trac*

The **Trident Manure Separator with Posi-Trac**; this durable machine is designed specifically for Sand-Laden Manure. The proven technology of the rotary screen ensures excellent fiber capture and exceptional wear resistance. The Trident Posi-Trac sprocket & ring gear system eliminates slipping delivering positive turning power to the screen. Inside the screen where the work is done maximum torque is available for the vigorous blending and mixing that is required to “Wash Out” the sand from the slurry. Variable speed electric or optional hydraulic drive provides the versatility to quickly process heavy loads of Sand-Laden Manure, harvesting all the sand you want for reuse. Cleaning the screen is easy with the two line automated Clean in Place (CIP) system. One line for fresh water the other for chemical applications provides a clean screen for constant material processing rates. Long lasting, dependable components guarantee trouble free operation for many years.



Features

- Posi-Track Ring & Sprocket Drive
- Rubber Idlers c/w Sealed Bearings
- ¾ HP Electric Motor
- Hydraulic Drive (optional)
- 2 - Internal CIP Spray Bars
- Bypass return chamber
- Full length Internal Spiral Flights
- Inlet and Outlet Guards
- Recycle Liquid Injection Tube
- Reinforced Perforated Screen
- Contra Shear Solid Removal
- Clear Screen Technology
- Adjustable Influent Feed Tube

Benefits

- Non-slip Maximum Torque
- Durable & Maintenance Free
- Low Power Consumption
- Flexibility & Versatility
- Positive & Effective Cleaning
- Ensures Maximum Throughput
- High Capacity Conveyance
- Safety & Positive Containment
- Improves Sand Recovery
- High Capacity Robust Long Life
- Efficient Separation & Capture Rate
- High Capacity Separation
- Maximizes Separation Performance



Specifications

304 stainless steel construction

Overall dimensions: Length: 145”, Width: 48”, Height: 66”, Weight: 1800 lbs

Power requirements: 230/460/575 volt 3 phase or 230 volt single phase

The Trident Separator is available in three models to suit differing processing needs. The perforated filter screen is 36” diameter by 120” length.

Model	Processing Rate	Open Area
Posi Trac Septage 3/16”	50 - 1500 gpm	32%
Posi Trac Sand 1/8”	25 - 1000 gpm	41%
Posi Trac Flush 1/16”	10 - 500 gpm	30%



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