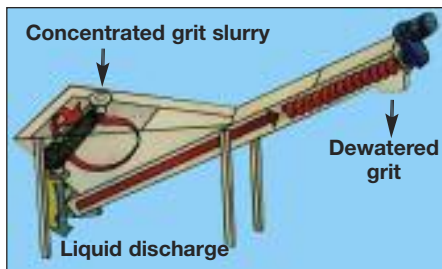


Gritmeister® Grit Separator

Model GMR



The slurry enters through the top. As liquid in the tank is displaced by incoming flow, it overflows and leaves the unit. Grit is left to settle and is transported by the spiral and dewatered prior to discharge.



Separates and dewateres grit and heavy materials

The Gritmeister® Grit Separator settles out grit and other heavy materials from liquids, and simplifies disposal by dewatering them prior to discharge. By settling out heavy materials, the Gritmeister unit guards against premature wear of downstream equipment and prevents pipe blockage and seizing in mechanical equipment.

The design utilizes Parkson's proven shaftless spiral technology which puts all mechanical parts within reach. There are no submerged bottom bearings.

The settling tank is constructed of corrosion-resistant stainless steel, ruggedly fabricated to handle concentrated slurries, pumped or dredged from grit traps from agricultural and industrial processes.

Separation and conveying times are adjustable to maximize settling and dewatering.

Settling

The slurry typically is fed in batches through the top of the Gritmeister unit. The tank is designed to minimize turbulence and promote settling. As liquid in the tank is displaced by incoming flow, the liquid overflows the weir and exits the unit. Single and dual weir configurations are available.

Conveying/Dewatering

Once settling is complete, a heavy-duty spiral conveys the grit upward to discharge, dewatering it by gravity along the way. The spiral rotates slowly and intermittently for optimal discharge.

The process is automatic and adjustable; the longer the settling cycle, the greater the amount of gravity dewatering.



Cleaned sand from Gritmeister System

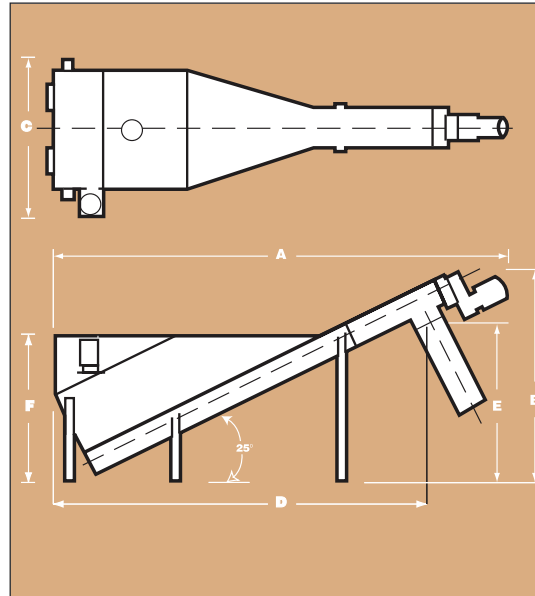


Installed Gritmeister unit

Quality Engineered for Years of Service

The Gritmeister® Grit Separator is designed for long life with minimal maintenance. The settling tank is heavy gauge stainless steel while the conveyor spiral is fabricated of heavy carbon steel. The spiral rests on replaceable wear strips. There are no submerged bottom bearings and all major components are accessible.

Just as important is the unparalleled Parkson application expertise, which comes with every product. This is your assurance that you have the right equipment, the very best, for your process.



Sand-laden dairy manure applications

The Gritmeister® Grit Separator can be used after a Parkson Sand Saver to remove any remaining fine sand from manure effluent. The Gritmeister unit is continuously gravity fed from the Parkson Sand Saver, the fine sand settles and the effluent is drained by gravity – no extra pumps required.

The technology is ideally suited to applications such as plastic lined lagoons, manure storage tanks and digesters that have low tolerance of any sand.



Features

- All service parts within easy reach; no labor-intensive lower bearings
- Stainless steel settling tank is standard
- Heavy duty shaftless spiral with replaceable wear strips
- Minimal turbulence
- Single horsepower gearmotor drives the entire operation

Benefits

- Easy to service and maintain
- Built to last at no extra charge
- Prolongs the life of the separator
- Increases settling and capture of scum and floatables
- Economical, energy efficient

Model Number	Water Vol. (ft³)	Solid Discharge (ft³/hr)	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)	Weight Empty (lbs)	Weight Full (lbs)	Motor HP
GMR420	148	106	276	130	88	238	104	87	4615	18520	1.5

All dimensions are approximate.



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