

Parkson Sand Saver

Removes and cleans sand from manure

Designed to help you effectively manage sand bedding

- Efficiently removes sand from manure
- Provides washed, clean sand for reuse
- Significantly reduces sand replacement costs
- Minimal power and water requirements
- Reduces equipment wear and hauling costs
- Proven, reliable design



Before: Typical sand laden dairy manure slurry prior to washing



After: Recovered sand, washed clean



A patented, innovative design for effective sand washing

Efficient Operation

The Parkson Sand Saver is uncomplicated and requires minimal operator attention. Its efficient washing operation can reclaim 80%-90% or more of the bedding sand that becomes mixed with manure during the normal operation of a dairy barn. This washed, reclaimed sand is clean, dry, odor free and ready for rebedding. Typically, less than 1% organics remain in the washed sand.

The Parkson Sand Saver has low wash water and energy requirements. Wash water can be 100% recycled water. Two low horsepower motors operate automatically on demand.

Fast Return on Investment

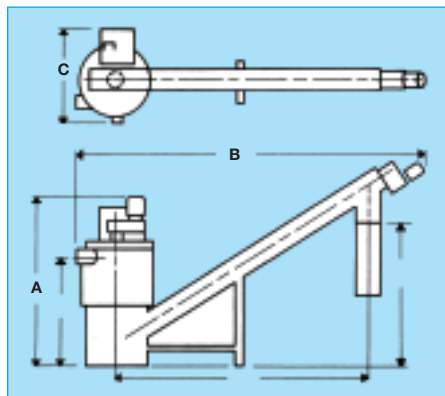
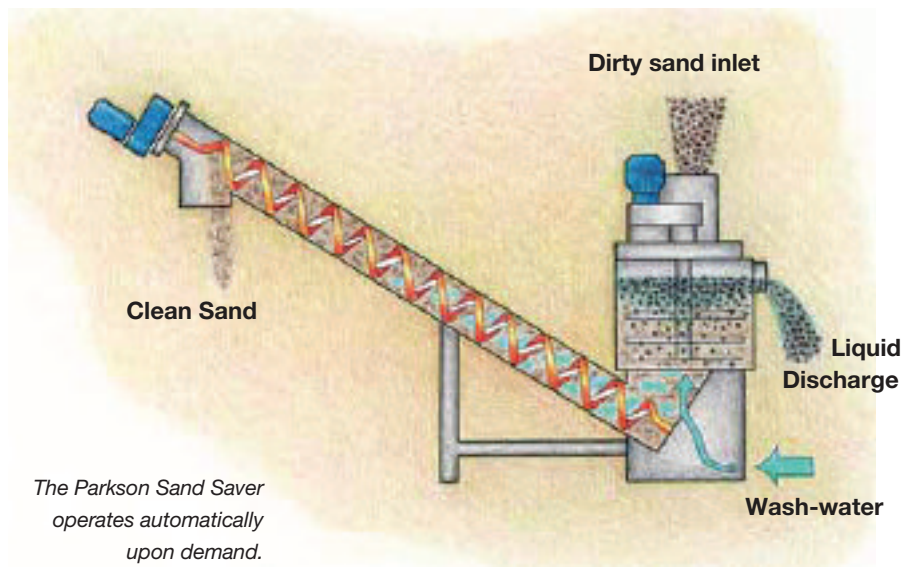
Savings in sand replacement alone equal a very short payback period. With additional savings in lagoon and storage tank cleaning; reduced hauling and spreading costs and reduced equipment wear; the Parkson Sand Saver becomes a real money saver.

The Parkson Sand Saver is a clean, enclosed design quality engineered of durable, corrosion-resistant stainless steel. The shaftless spiral is constructed of heavy-duty carbon steel and there are no submerged bearings.

Simple, Automatic Operation

Sand laden dairy manure enters the Parkson Sand Saver washing chamber through an opening at the top of the unit while wash water is introduced through an opening at the bottom. The descending sand flows countercurrent to the rising water, initiating the first stage of sand cleaning.

A lifting device moves slowly through the sand bed to loosen and dislodge the organic matter that has been trapped in the sand. The rising flow of water moves the organics upward and out the overflow. The clean sand is removed from the bottom of the tank by a shaftless spiral. The spiral conveys the clean sand upward, rotating slowly and intermittently to facilitate drainage before discharge.

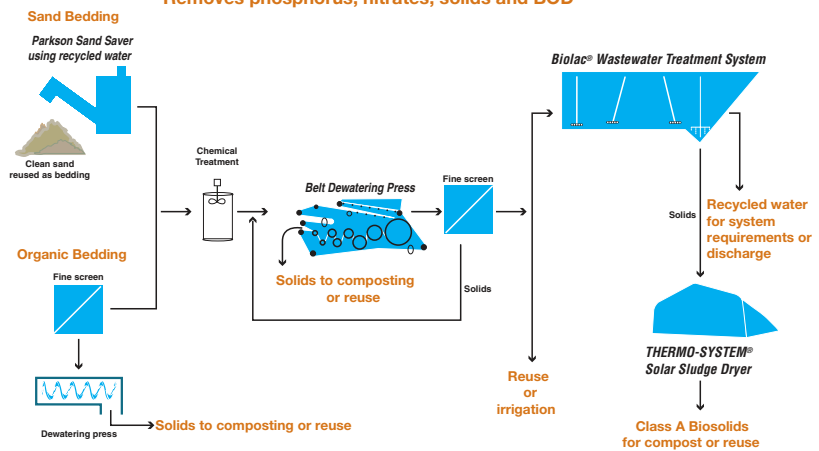


	PSS-2	PSS-5
Agitator Motor	3/4 HP	1-1/2 HP
Spiral Motor	1 HP	2 HP
Height A	91	136
Length B	179	264
Width C	48	65
Dry Weight	1,850	4,300
Operating Weight	3,850	12,500

Dimensions in inches and weight in pounds are approximate

Sample Configuration Parkson Dairy Manure Treatment System

Removes phosphorus, nitrates, solids and BOD



Parkson Corporation can provide complete Dairy Manure Treatment Systems and components that produce recycled water to be used for system requirements, irrigation or discharge. These systems are designed for nutrient removal (Phosphorus, Nitrogen, BOD), liquid/solid separation and odor control.



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