



Designed and Built for Improved Profitability

New Standard in Manure Management

Centrisys' innovative DT Model Decanter Centrifuge is the first decanter centrifuge developed specifically for the manure industry and is the proven solution to do more with manure management to ensure profitability and achieve environmental goals.

Beyond innovation, Centrisys finds a way to incorporate this solution across a range of applications. Whether you are looking to improve profitability or outpace regulators, Centrisys centrifuges address water quality and phosphorus emission for specific manure operation needs in order to maximize performance.

Engineered, Designed and Manufactured in the USA

As a company located in America's dairyland – working on the complexities of dewatering manure is not a new application. Centrisys has been actively involved with R&D and centrifuge optimization for manure dewatering for the last 15 years. The Centrisys DT model was designed specifically to address the complexities of manure. The DT model is engineered with features and benefits that set a new standard for reliability and performance and is optimized to deliver maximum results.

READY FOR THE FUTURE of Manure Management

In 2014, Centrisys launched CNP – Technology Water and Biosolids Corporation to design and supply systems for nutrient recovery and sludge optimization. The MagPrex™ process turns dissolve nutrients into struvite crystals, which can be used as a slow releasing fertilizer when harvested and utilized separately. Through our swine manure research and development with the MagPrex process, Centrisys and CNP won the USA EPA Nutrient Recycling Challenge.

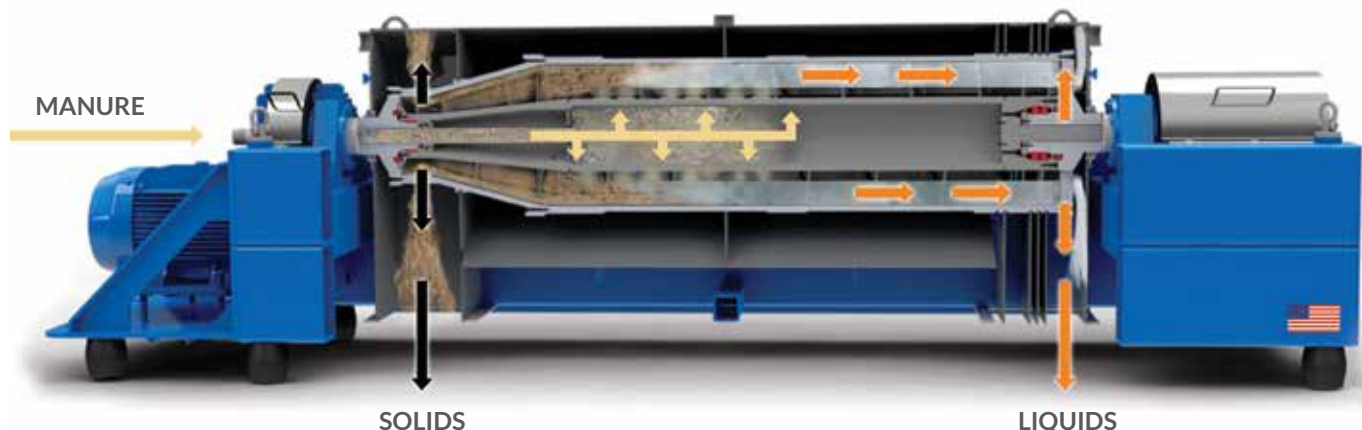
DT Series Centrifuges

A decanter centrifuge is the proven technology for removing suspended solids from manure slurry. By applying up to 3,000 times the force of gravity, a decanter centrifuge delivers superior solids and nutrient removal. Adoption of decanter centrifuges improves the economy of farm operations:

- Haul less by concentrating nutrients to manure solids
- Help producers meet nutrient removal permit requirements
- Reduce storage lagoon dredging frequency
- Minimize water use by recycling manure liquid
- Utilize recovered solids as a bedding material or soil amendments
- Pretreat manure to increase efficiency, reliability, and throughput of advanced technologies such as ultrafiltration
- Best in class P-removal and reverse osmosis

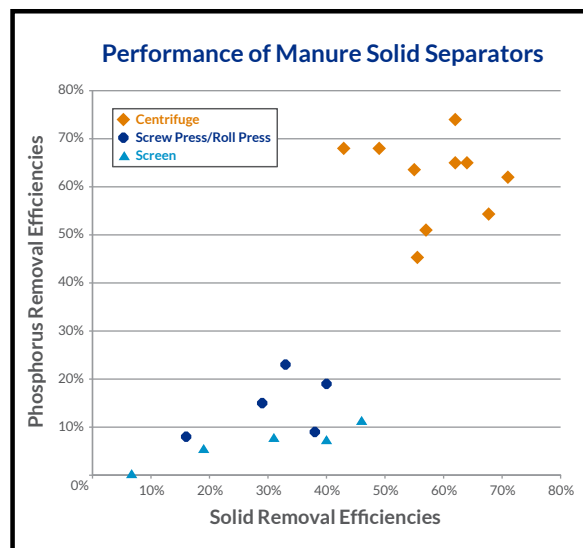


Dewatering Solutions: USA Built, Sold & Serviced Around the World



Manure Separation Centrifuges DT Model					
	CS18-3DT	CS21-4DT	CS26-4DT	CS30-4DT	CS44-4DT
Feed Capacity* gpm (m ³ h)	80 (18)	230 (52)	400 (90)	600 (136)	1,000 (227)
Design Flow for Max. Removal Efficiency gpm (m ³ h)	35-50 (8-11)	130-160 (29-36)	200-250 (45-56)	300-375 (68-85)	500-625 (114-142)
Total Installed Power HP (kw)	65 (49)	90 (68)	165 (123)	275 (205)	450 (336)
Auto Lube System	Grease	Grease	Air/Oil	Air/Oil	Air/Oil
Weight lbs (kgs)	6,500 (2,950)	10,000 (4,550)	18,500 (8,400)	30,000 (13,600)	50,000 (22,680)
L x W x H in (m)	110 x 50 x 32 (2.8 x 1.3 x 0.8)	190 x 45 x 53 (4.8 x 1.4 x 1.4)	225 x 56 x 62 (5.7 x 1.4 x 1.6)	258 x 74 x 75 (6.6 x 1.9 x 1.9)	248 x 122 x 70 (5.2 x 3.1 x 1.8)

*Feed capacity based on manure applications. Actual throughput based on sludge characteristics. Centrisys reserves the right to change specs without prior notification.



A Foundation in Service

We take your calls when you need us most. This is Centrisys' business practice since 1987 – repairing, maintaining and optimizing ALL makes, models and brands of decanter centrifuges. We understand that all dewatering applications are not the same. It is our job to make sure you always get the most out of your equipment. Our innovative centrifuge repair approach gets you up and running as quickly as possible. The service department provides data, training and engineering expertise to efficiently repair centrifuges across a range of applications.

Located in the heart of the Midwest, the Centrisys headquarters uses American-made parts. This allows for a cost savings to all end users since we eliminate steep transportation costs. All necessary maintenance parts are available in the USA, allowing clients to save money on maintenance and repair with quick access to replacement parts and repair work.

Data Sources: Meyer et al. (2007) Particle size and nutrient distribution in fresh dairy manure. Applied Engineering in Agriculture 23(1): 113-118; Moller, H.B., Lund, I., & S.G. Sommer (2000) Solid-liquid separation of livestock slurry: efficiency and cost. Bioresource Technology 74:223-229; Moller, H.B., Sommer, S.G., & B.K. Ahning (2002) Separation efficiency and particle size distribution in relation to manure type and storage conditions. Bioresource Technology 85:189-196; Gable, J. & H. Yoshida (2015) Removal of Phosphorus from Dairy Manure: Dealing with Non-point Source Phosphorus Emissions Before They Happen. Proceedings for WEFTEC 2016, Chicago IL