



The Right Dewatering Solution, the Fastest Payback, Lowest Cost of Ownership

A Higher Standard is Our Standard

We don't compromise on decanter centrifuge design, function or performance. A Centrisys centrifuge offers the lowest cost of ownership compared to other centrifugal separation technologies.

The CS Series Dewatering Centrifuge bridges the gap between engineering, mechanics, service, and field experience. Centrisys raises the bar, providing the highest quality decanter centrifuge that can be easily repaired with readily available spare parts.

The CS Series is designed from the ground up using the knowledge and experience gained from real-life problem-solving and service for all types of dewatering equipment in municipal and industrial applications.

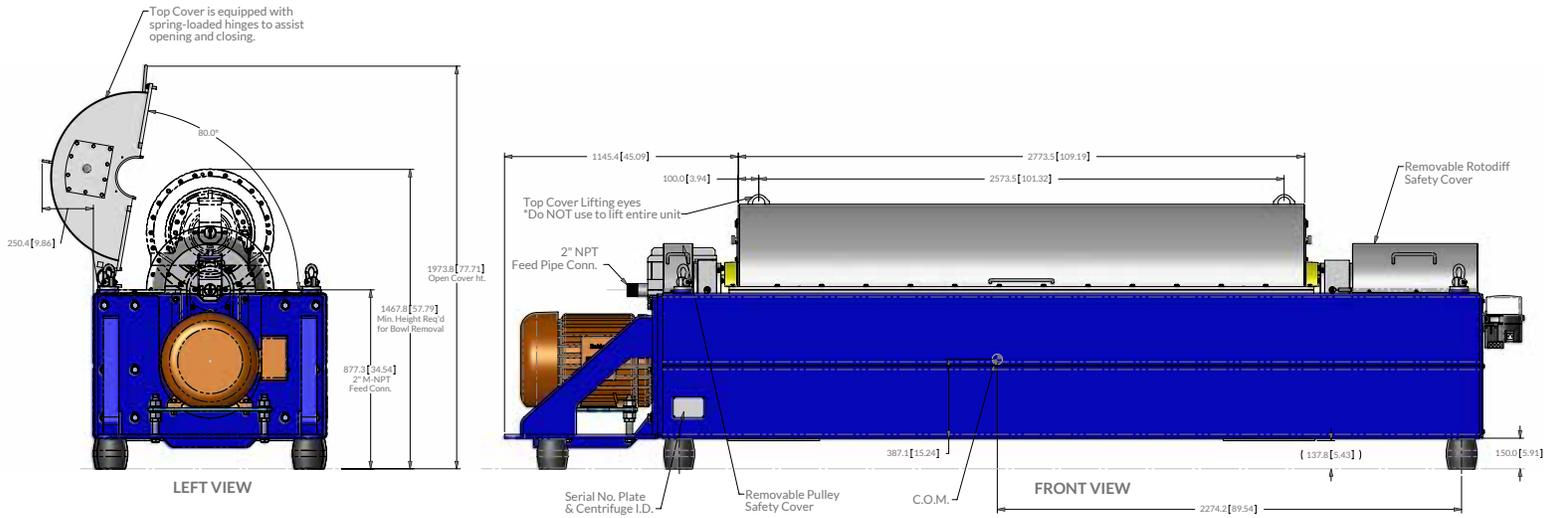
- A890 duplex stainless steel
- Tungsten carbide wear protection
- Headwalls - forged duplex stainless steel
- Bowl development
 - Centrifugally cast
 - Tungsten carbide liners and wear strips
- Scroll development
 - Centrifugally cast scroll body
 - Tungsten carbide tiles / fused tungsten carbide flame
 - Axial flow flights in the cylinder
 - High flow and low shear chamber
 - Gentle sludge acceleration
 - Deeper pool
 - Longer and smallest diameter scroll body
- Rotodiff® Hydraulic Backdrive - the most efficient in the industry
- Lowest measured energy consumption
- Lowest installed horsepower compared to a gearbox of similar torque
- Increase solids loading capacity
- Highest torque to weight ratio
- 100% torque at all speeds
- Accurate direct measurement of scroll speed
- Lowest overhang load and lower weight = less maintenance and less stress on the main bearings
- Centrifuge designs for different application requirements
 - HC Model
 - T Model
 - DT Model
 - Custom centrifuge designs

Why Choose Centrisys?

- 1 USA Engineered and Manufactured:** A Centrisys centrifuge is designed, engineered and built with pride at our corporate headquarters in Kenosha, Wisconsin.
- 2 Centrisys-Viscotherm Scroll Drive:** The most efficient in the industry with a simplified design; highest torque to weight ratio with the best process control.
- 3 Highest Quality:** All structural bowl components are centrifugally cast or forged for ultimate integrity and strength.
- 4 Advanced Wear Protection:** Progressive wear protection prolongs the life of your centrifuge, increases uptime, optimizes performance and reduces service and maintenance costs.
- 5 Scroll Design and Development:** Axial flow design promotes settling of even the finest solids, improves the recovery rate and reduces polymer consumption.
- 6 Centrifuge Energy Recovery System (CERS):** The centrifuge can restart anytime during a shutdown period (on the fly or standstill) and prevents a costly dis-mantle to free-up a blocked centrifuge.



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



Dewatering Decanter Centrifuges CS Series

	CS6-4	CS10-4	CS14-4	CS18-4	CS18-4HC	CS21-4	CS21-4HC	CS26-4EV	CS26-4	CS30-4	CS44-4
Phase	2/3	2/3	2/3	2/3	2	2/3	2/3	2/3	2/3	2/3	2
Feed Capacity* gpm (m ³ h)	1-10 (0.23-2)	5-35 (1-8)	20-60 (5-14)	40-125 (9-28)	70-150 (16-34)	80-200 (18-45)	100-235 (23-53)	125-320 (28-73)	150-400 (34-90)	200-700 (45-159)	500-1,000 (114-227)
Weight lbs (kgs)	700 (318)	2,000 (910)	3,800 (1,725)	6,500 (2,950)	8,200 (3,720)	8,500 (3,860)	10,000 (4,550)	16,500 (7,490)	18,500 (8,400)	30,000 (13,600)	50,000 (22,680)
Total Installed Power HP (kW)	8 (6)	20 (15)	40 (30)	50 (38)	60 (45)	75 (56)	90 (68)	140 (105)	165 (123)	275 (205)	450 (336)
Avail. Shallow Pool/Angle	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Lube System	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
L x W x H in (m)	75 x 21 x 28 (1.9x0.5x0.7)	89 x 44 x 27 (2.3 x 1.1 x 0.7)	122 x 34 x 31 (3.1x0.9x0.8)	151 x 44 x 41 (3.8 x 1.1 x 1)	175 x 44 x 47 (4.5x1.1x1.2)	175 x 44 x 47 (4.5x1.1x1.2)	190 x 45 x 53 (4.8x1.2x1.4)	210 x 56 x 62 (5.3x1.4x1.6)	225 x 56 x 62 (5.7x1.4x1.6)	258 x 74 x 75 (6.6x1.9x1.9)	248x122x70 (5.2x3.1x1.8)
Cake Dryness	Up to 40% depending on process type and condition										

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