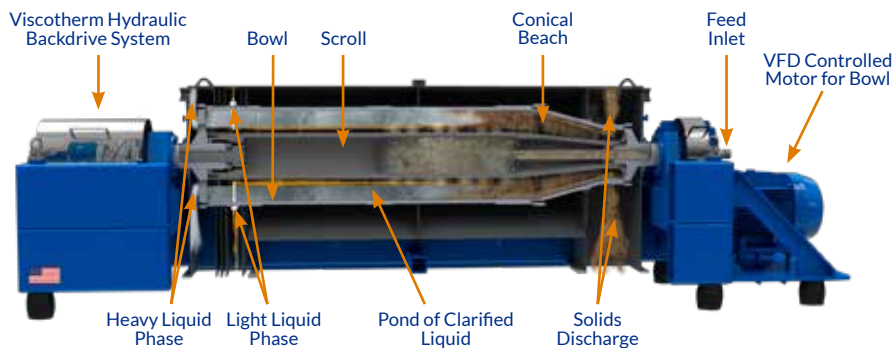




## Energy-Efficient Separation

### 3-Phase Centrifuge Separation

A 3-phase decenter centrifuge clarifies and simultaneously separates two liquids of different densities from a solid. The bowl's high speed rotation causes the solids to deposit on the bowl wall. At the same time, the built-in screw conveyor continuously transports the solids to the conical end of the bowl, where further drying occurs prior to discharge. The separated liquid phases are almost completely free of solids and exit through separate openings at the opposite end of the bowl.



It all starts with a proven performer: advanced hydraulic scroll drive technology. Centrisys replaced the gear box backdrive systems on decenter centrifuges with energy-efficient hydraulic scroll drives from Viscotherm AG in 1988. Today, the Rotodiff® technology saves energy costs for over 2,000 customers worldwide.

- Maximum energy efficiency with the hydraulic scroll drive technology
- Higher throughput with higher hydraulic pressure and torque
- Simple and accurate process control with direct control parameter monitoring

### Uncovering New Revenue Streams

Centrisys partners with world leading companies to advance environmental processes into plants to recover and resell by-products.

- DAF skimmings
- Rendering
- Technical fats
- Edible fats and oils
- Mechanically de-boned meat
- Poultry by-products
- Blood plasma and blood meal
- Gelatin
- Drilling fluids
- Oil refineries
- Oil and tar sands

### Benefits:

- Custom designed and built in the U.S.A.
- Available as dewatering
- Container or open design skid mounted systems
- All component warranties covered by Centrisys
- Centrisys field technicians service all components and equipment
- ISO 9001:2015





**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
Phase	3	3	3	3	3	3	3	3	3	3
Feed Capacity* gpm (m <sup>3</sup> h)	2-10 (0.5-2)	5-35 (1-8)	20-60 (5-14)	50-100 (11-23)	75-125 (17-29)	100-175 (23-40)	150-225 (34-51)	150-320 (34-73)	200-400 (45-90)	300-700 (68-159)
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)
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)
Avail. Shallow Pool/Angle	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Auto Lube System	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
L x W x H in (m)	75 x 21 x 28 (1.9 x 0.5 x 0.7)	89 x 44 x 27 (2.3 x 1.1 x 7)	122 x 34 x 31 (3.1 x 0.9 x 0.8)	151 x 44 x 41 (3.8 x 1.1 x 1.0)	175 x 44 x 47 (4.5 x 1.1 x 1.2)	175 x 44 x 47 (4.5 x 1.1 x 1.2)	190 x 45 x 53 (4.8 x 1.4 x 1.4)	210 x 56 x 62 (5.3 x 1.4 x 1.6)	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)
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.