



# High Performance Dewatering Systems

## Complete and Custom-Engineered

Complete skid mounted dewatering systems are designed with all the components required for sludge dewatering and thickening in one single package with flow rates ranging from 5 to 400 gpm (1 - 90 m<sup>3</sup>/h).

Systems are designed around the proven Centrisys high performance centrifuge. Ancillary components, which complete the system, are chosen with performance and reliability in mind. Within a few hours of being on site, the turnkey system can be placed in operation within a minimal amount of time.



Smaller municipalities, as well as industrial companies, appreciate the simplicity of the Centrisys skid system. It is the most cost-effective, complete solution for sludge dewatering and thickening. Operators with multiple plants can use the mobility of a skid system for process requirements at several locations.

For most applications, the pre-fabricated design allows for easy installation, just drop the system in place and make your connections. The only connections required at your facility are:

- Feed
- Power
- Liquid discharge

## Systems Include the Following:

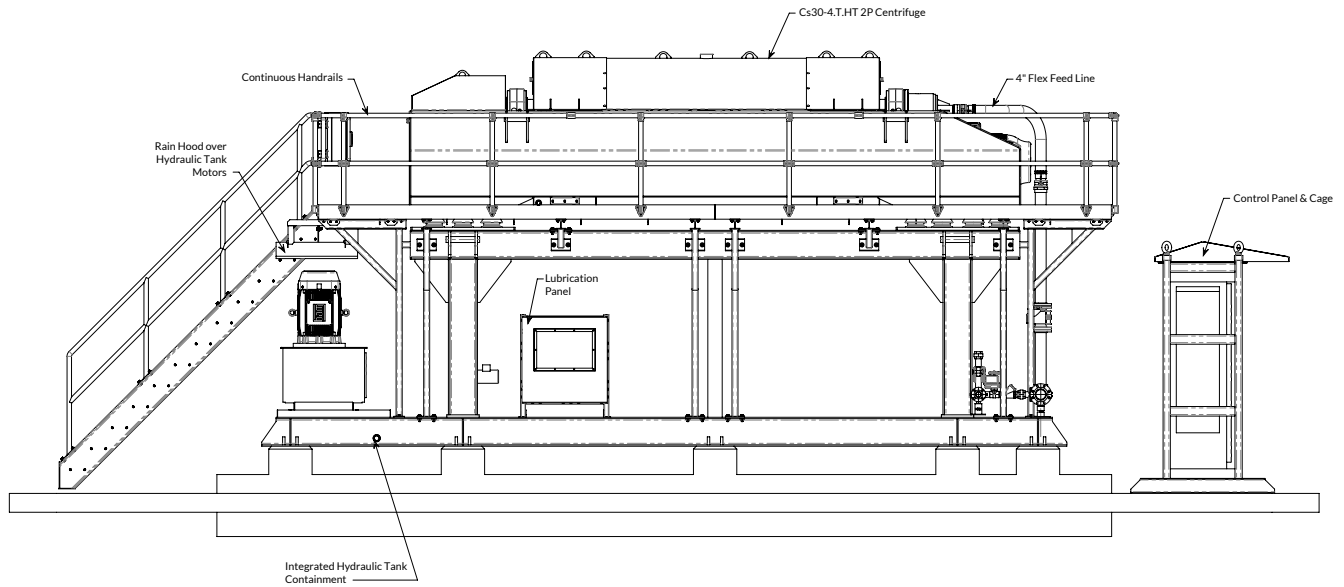
- High solids Centrisys centrifuge
- Skid/stand structure
- Catwalks and handrails
- NEMA 4X PLC control system
- All VFD's and motor starters
- Sludge feed pump (VFD controlled)
- Polymer blending unit
- Dewatered cake conveyor
- Sludge flow meter
- All inter-connective electrical and pipe work
- Multiple polymer injection points
- Cake transport systems (screw conveyor or cake pump)
- Single point connection manifold

## Benefits:

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



# PRODUCT OVERVIEW: Skid System



## Dewatering Decanter Centrifuges CS Series

	CS10-4	CS14-4	CS18-4	CS18-4HC	CS21-4	CS21-4HC	CS26-4EV	CS26-4	CS30-4
Phase	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3
Feed Capacity* gpm (m <sup>3</sup> h)	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)	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)	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
Auto Lube System	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
L x W x H in (m)	89 x 44 x 27 (2.3 x 1.1 x 0.7)	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.

**Questions about Centrisys technologies? Contact us today!**

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