



High Performance Skid 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 0 to 1,200 gpm (0 - 272 m³/h).

Systems are designed around the proven Centrisys high performance dewatering or sludge thickening 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:

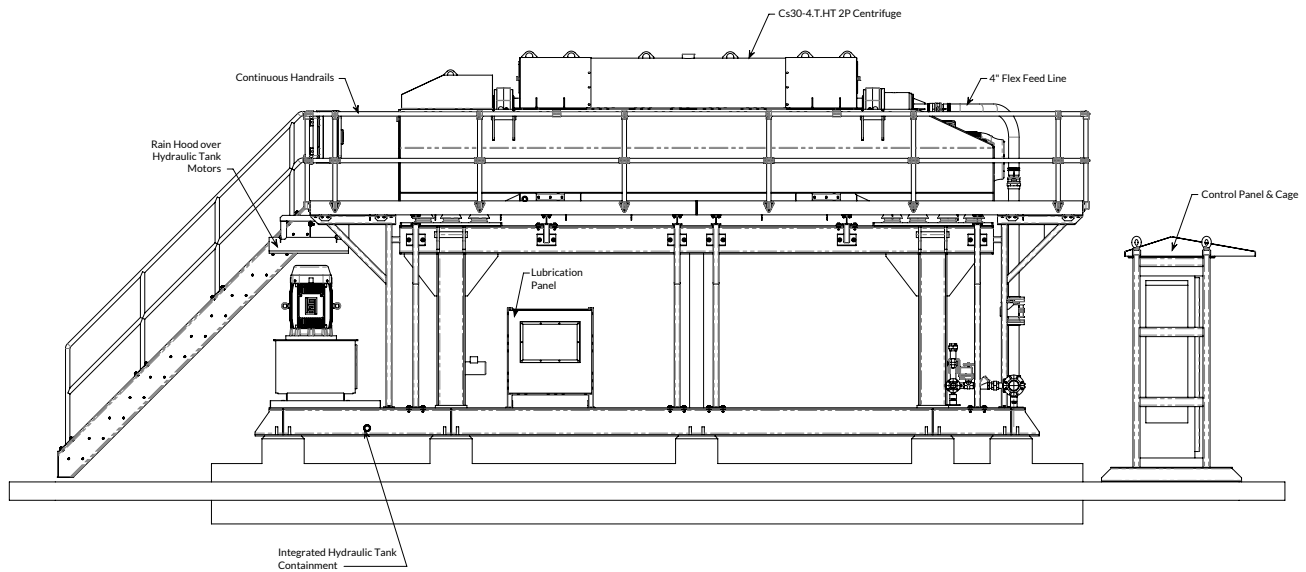
- Centrisys CS dewatering or THK sludge thickening centrifuges
- Skid/stand structure
- Catwalks and handrails
- NEMA 4X PLC control system
- All VFD's and motor starters
- Sludge feed pump (VFD controlled)
- Polymer blending unit
- Dewatered cake conveyor
- Sludge flow meter
- All inter-connective electrical 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 USA.
- 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



EQUIPMENT: Skid System



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	2/3	2/3	2/3	2/3	2/3	2/3	2
Feed Capacity* gpm (m ³ 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)	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 (22)	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
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)

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

Sludge Thickener THK Series

	THK200		THK350		THK600	
	Maximum	Average	Maximum	Average	Maximum	Average
Feed Flow Rate w/o Polymer* gpm	180	125	320	265	765	640
Feed Flow Rate w/ Polymer* gpm	250	200	500	425	1,100	800
Approx. Bowl Diameter in (m)	18 (0.45)		21 (0.53)		26 (0.66)	
Total Static Weight - Empty lbs (kg)	5,000 (2,950)		10,800 (4,900)		27,000 (12,250)	
Standard Main Drive HP	50		75		150	
Standard Scroll Drive HP	10		15		25	
Standard Total Installed HP	60		90		175	
G-volume Capacity at 3,000 G gal	160,000		332,000		718,000	

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