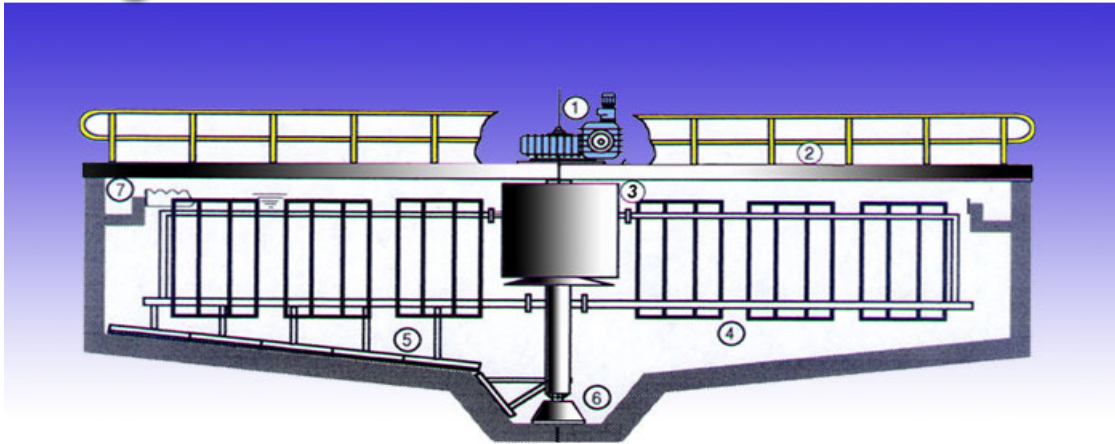


Sludge Thickener



PARTS

- 1- DRIVE UNIT (MOTOR + REDUCER)
- 2- FIXED BRIDGE
- 3- DEFLECTOR
- 4- THICKENING BARS
- 5- BOTTOM SCRAPER PALETS
- 6- BOTTOM BED
- 7- WEIR

MATERIALS

- AISI 304
- AISI 316
- ST 37 & Epoxy Cuatting

The system operates on a fixed bridge. The bridge can be steel or concrete. In case the client wishes to construct the steel or concrete fixed bridge by himself, necessary dimensions can be provided by our company. Functions like thickening, sweeping the sludge from the tank periphery to the central cone, mixing the bottom cone or scraping, are realized by means of a shaft and drive unit (motor+reducer). Drive unit is a compact group consisting of double staged helical screw gears. Torque limiter is a protective device against over torques as a standard. In case of presence of moment values that are not affordable by the grive group, a limit switch is activated and cuts off the energy. Alarm signals shall be provided upon request.

FIXED BRIDGE THICKENER DIMENSIONS TABLE						
TYPE OF THICKENER	CT 2.5...6	CT 6...9	CT 9...14	CT 14...17	CT 17...20	CT 20...22
TANK DIAMATERN (m)	2.5...6	6...9	9...14	14...17	17...20	20...22
MOTOR POWER (kW)	0.25	0.37	0.55	0.55	0.75	1.1
APPROX. WEIGHT (kg)	400-800	800-1200	1200-1650	1650-1950	1950-2650	2650-3000
PERIPHERICAL SPEED	min. 2 cm/sec			max. 6 cm/sec.		

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