



Sludge Thickener KD 24

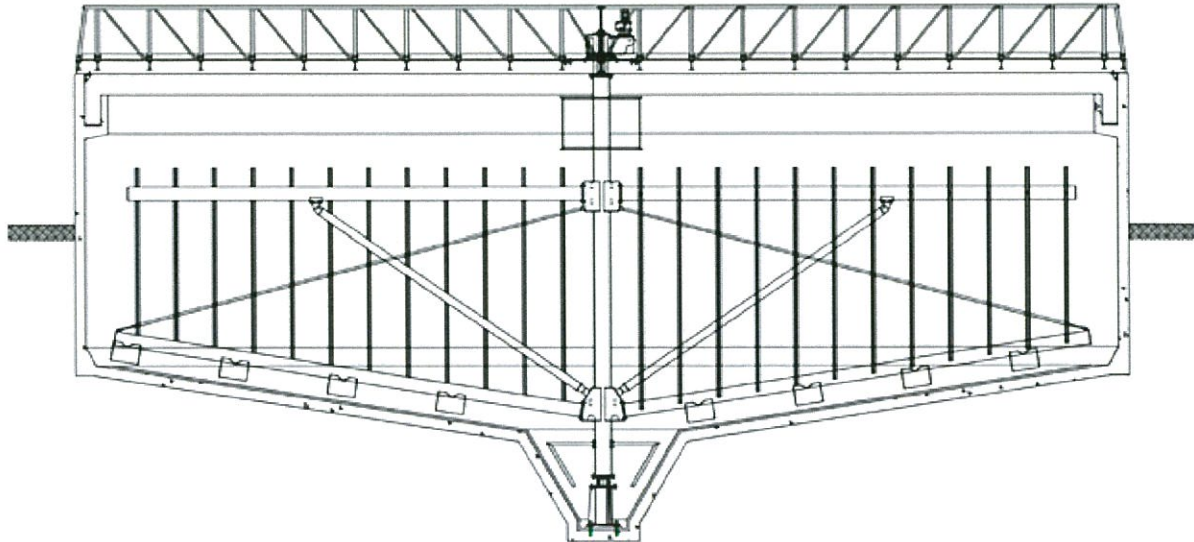
VoR ENVIRONMENTAL

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The functioning of the sludge thickener is to convey the sludge from bio-tanks etc. to the storage tank, which comprises a slow-acting agitator having a bottom scraper (leading the thickened sludge to a centre pit, vertical bars for the gentle stirring of the sludge and at the same time assuring the necessary passage for the capillary water to reach the surface).

The thickening of the sludge takes place without any addition of polymers etc. and under normal circumstances normal dry solids from the inlet will be achieved at about 0,8% DS to 5-7%DS .

The sludge thickening is a continuous process, during which the inlet is lead to an inlet cylinder with a prell plate, and the thickened sludge is discharged through the bottom "sludge pit", the reject water "the capillary water" is removed in an overflow spout, placed at the lateral faces of the container.



The agitator is equipped with a bottom bearing, and a very slow moving transmission gear drives the upper part of the agitator. The bottom part of the agitator comprises scraper blades, following the contour of the bottom and thus leading the thickened sludge to the centre pit, from where the sludge is conveyed for further treatment, either to a digestion chamber or direct for drainage.

Specifications	
Drive unit, make:	Nord Gear
Speed	0,045 o/min
Material, bridge	St.37 or rust- / acid-resistant
Material, thickener, pipes etc.	Stainless steel
Material, bottom scraper	EPDM
Surface treatment, steel	Hot-galvanised
Surface treatment, stainless steel	Totally pickled
Center bearing	INA

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