

THICKENER MECHANISM

General:

- With or without steel walkway;
 - Rake arms with thickening bars and bottom scrapers;
 - Diameter up to 20m;
 - Always equipped with durable lower bearing;
 - Materials in water/sludge: AISI304, AISI316 of coated steel;
 - A stirrer in the central sludge pit, bolted to the lower girder;
 - Two rake arms bolted to the central shaft;
 - Bottom scrapers bolted to the lower girder, positioned at 45°, to rake the sludge to the central pit;
- The bottom surface of the tank is completely scraped in one rotation of the mechanism.

Drive system:

- Gearbox fully closed, filled with oil;
- Hermetic motor IP 55;
- Isolation class F;
- External tooth wheel.

Vertical driving tube-shaft, bolted to the central bearing, equipped with:

- A flange connection at the top;
- Extensions at the bottom and at $\pm \frac{1}{3}$ height to fix the arms.

