



RECOVERY OF HIGHLY CLARIFIED LIQUID

ANDRITZ EcoSET thickener

AFFORDABLE AND MODULAR DESIGN FOR LIGHT- TO MEDIUM- DUTY SOLID-LIQUID SEPARATION

In the most challenging applications, reliable liquid clarification and slurry recovery is critical to maintaining continuous production. This is why ANDRITZ has put decades of expertise into thickening and

clarification systems to provide an efficient and cost-effective solution.

More specifically for sand and gravel, as well as for tailings applications, ANDRITZ EcoSET is a cost-efficient thickener range that handles light- to medium-duty solid-liquid separation.

The ANDRITZ EcoSET bolted thickener is a modular and standardized unit that reduces engineering requirements and delivery time. The settling performance is increased with precise flocculation, even within the smallest diameter, for best return on investment.

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Designed to meet your needs and constraints

Benefits

- **Affordable thickener** thanks to pre-set design, providing a great value for money and excellent ROI
- **Modular and standardized equipment** for faster delivery, containerized shipment, and ease of installation
- **Handling light- and medium-duty materials** to give you more flexibility for your process
- **Optional PLC control system** for ease of mind and optimal performance
- **Good process performance** thanks to half a century of thickener experience: ANDRITZ is a trusted partner

Features / Technical details

- **Feed flow rate range** : 120–2,850 m³/h
- **Optimal underflow percentage solids**: 20–60%
- **Thickener size**: Ø 6–25 m
- **Construction**: Bolted
- **Average delivery time / installation**: 10 weeks (EXW) / 2–3 weeks

Depending on your process conditions and settling requirements, the timeframe for your installation, flexibility, and other criteria, we have the correct, optimized solution to suit your needs.

- 1 **Even flow 2.0 feed well:** The newly improved feed well reduces turbulence by using guiding fins for enhanced flocculation. Some benefits:
 - Optimal flocculant consumption thanks to enhanced residence time within the feed well
 - Controlled slurry distribution within the feed well with incorporating fins to prolong flocculant and feed interaction time
 - Low operating costs
 - Deflector plate scraper and clover outlets eliminate chocking
 - Reduced downtime for maintenance work
- 2 **Drive mechanism:** A wide range of hydraulic and electric drive mechanisms ranging from 15 kNm to 210 kNm are available to meet torque requirements
- 3 **Modular bolted design:** Allows for quick installation and easy maintenance



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