LIME TRAP

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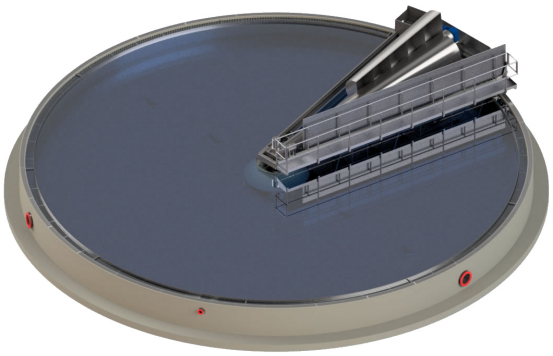
Technology

The Lime Trap is designed to effectively remove calcium in the form of calcium carbonate and other solid particles from wastewater, specifically targeting high-lime content. It operates within the lime precipitation process, where the pH is raised using stripping reactors to promote calcium precipitation. The key feature of the Lime Trap system is its round flotation design equipped with a scraper bridge, ensuring efficient flotation sludge skimming and heavy sludge removal. The system is optimized for lime-rich wastewater. Air dissolution is achieved through Dissolving Reactors (DR), enhancing solid separation. Optional integration with Polymeri ensures optimal polymer preparation for improved flocculation efficiency and sludge removal.

Features

- Efficient Calcium Precipitation: Removes calcium as calcium carbonate from high-lime-content wastewater through lime precipitation.
- Round Flotation Design: Circular flotation setup ensures optimized hydraulic flow for solid separation.
- Integrated Scraper Bridge: Equipped with a scraper bridge for effective flotation sludge skimming and heavy sludge removal.
- Centralized Sludge Collection: Central collection point for sludge enables streamlined removal and processing.
- Integration in Lime precipitation process: Uses stripping reactors to increase pH, to boost calcium precipitation for enhanced solid separation.



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