

Metso introduces the Reactorwell™ upgrade feed system for maximizing thickener and clarifier performance

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- Metso launches Reactorwell™, a new feedwell upgrade designed to enhance thickener and clarifier performance, reduce flocculant consumption, and increase operational cost efficiency.
- The Reactorwell™ upgrade features high solids retention, efficient mixing, prevention of feed short-circuiting, low shear for floccule growth, and even discharge symmetry, contributing to optimal feed conditioning.
- Part of Metso's Planet Positive portfolio, the Reactorwell™ upgrade offers environmental benefits through reduced flocculant usage and sustainable operational improvements.
- The upgrade improves thickener and clarifier functionality by utilizing the maximum settling area, enhancing overflow clarity, and achieving higher underflow density, while also responding better to process changes.
- Designed for integration with existing operations, the Reactorwell™ is compatible with most thickeners and can be retrofitted without major modifications, with the option to upgrade to a new channel configuration if needed.
- Andrew McIntosh, Senior Product Manager of Thickening at Metso, emphasizes the Reactorwell's adaptability for upgrades and the company's support in retrofitting existing infrastructure.
- The Reactorwell™ upgrade is characterized by easy maintenance, intelligent design, modularity, high unit area throughput, and improved Autodil™ performance that reduces the need for pumped dilution, leading to a lower total cost of ownership.

Metso is launching the Reactorwell™ upgrade – a new generation feedwell upgrade – for maximizing thickener and clarifier performance while minimizing flocculant consumption and bringing significant operational cost efficiencies.

The first-class feed system upgrade features high solids retention and mixing efficiency. It eliminates feed short-circuiting and offers low shear for ideal floccule growth and even discharge symmetry. The new feed

system upgrade provides optimum feed conditioning for thickeners and clarifiers. Thanks to its many benefits in addition to low flocculant usage, the Reactorwell™ upgrade is part of Metso's sustainable Planet Positive portfolio.

The Reactorwell™ upgrade enables a big leap forward in thickener and clarifier performance as it utilizes maximum settling area due to its high exit symmetry. It also provides improved overflow clarity as well as higher underflow density. Additionally, the Reactorwell™ upgrade allows better thickener operability with an improved response to process changes.

"The Reactorwell's design allows it to be integrated into existing mining operations as an upgrade that is compatible with most makes of thickeners. We offer expertise and support to retrofit existing infrastructure without major modifications. The Reactorwell can also be upgraded to a new channel configuration if process conditions significantly change," says Andrew McIntosh, Senior Product Manager, Thickening at Metso.

The Reactorwell™ upgrade is easy to maintain due to its intelligent design and modularity. It consistently achieves high unit area throughput and the improved Autodil™ performance minimizes the need for pumped dilution, leading to lower total cost of ownership.

Source: Metso