

Metso

Industry's proven solution with high volume processing and improved design

Larox® FFP3716 filter



Application

A trusted dewatering solution that is suited for any tailings application.

Driven by growing volume of tailings and water scarcity, the mining industry is seeking sustainable solutions to address rising costs, regulatory compliances and increasing global resource footprint. The environmental issues and safety hazards related to tailings ponds could be completely avoided by dewatering and dry stacking the tailings.

Mine water is an essential resource, and its management is a major challenge for the mining industry world-wide. Responsible usage of water is the primary driver for increasing interest in tailings dewatering.

At Metso, our goal is to provide holistic tailings management solutions by bringing a step change in the way we view, handle and manage tailings. Backed by proven technology and industrial knowledge, our efficient dewatering solutions help in maximizing water recovery and reuse.

Extending the family line of FFP filters, the advanced Larox® FFP3716 filter is based on Metso's industry leading plate pack design, redefining overall standard in reliability, capacity and safety.

Proven plate pack design

With substantial increase in total filtration volume coupled with our rich experience, the Larox® FFP3716 uses the most optimum plate pack design leading to reduced wear on plate pack and cloth components along with ease of spares holding. The new design also ensures familiarity with previous type of filters ensuring ease of operation.

Smart automation for large plate pack

It is equipped with the latest technology filter plates designed for mining conditions to meet highest throughput. The closing and sealing mechanism with individual controlled sealing cylinders ensures squared plate pack at any time, thus long lifetime of plate pack.

Enhanced feed inlet design

The enhanced slurry inlet design removes need of feed shoe handling during cloth change, increasing reliability and reducing operating costs.

High performance equipment

The robust and high capacity filter leads to high performance with increased operational pressure for difficult tailings application.

Safety paramount

Our Larox® FFP3716 filter has been designed top to bottom with optimal safety in mind.

Metso tailings solution

We listen to our valued clients feedback, resulting in the enhancement of our existing Larox FFP range. The new Larox® FFP3716, combined with Metso's optimized filtration plant design, offers a reliable and cost efficient long term solution for tailings handling even in difficult environments.

Benefits

- 2000m² filtration area
- 44m³ chamber volume
- Up to 16 bars operating pressure
- Smart hydraulic system
- High reliability with reduced operating costs
- Readiness for remote production support