

The demand for lithium is predicted to triple over the next decade, according to forecasts. Electric-vehicle (EV) boom, fueled by the urgent need to implement solutions and technologies limiting global warming, are driving lithium-ion battery development and production.

With the growing share of renewable energy in the global energy mix, the demand for e ective energy storage technologies becomes increasingly important to ensure a stable and resilient power supply.

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Larox PF Iter optimizes nal product quality by increasing washing e ency and reducingresidual moistures. Automatic pressure Iters guarantee fully automatic Itration of Lithium carbonate (Li₂CO₃). This method ensures separation, with a typical capacity of 150 to 250 kgDS/m²h. Operating automatically with up to 92% availability in 24/7 operation, it boosts productivity while maintaining product quality. Larox® PF Iters represent the leading method of automatic solid-liquid separation utilizing pressure Itration in low pressure range up to 16 bar.

В

- Guarantees e cient Lithium carbonate separation, consistently delivering optimal results.
- Signi cantly lowers wash media consumption through e cient cake washing, saving 30-40% compared to conventional membrane lter presses utilizing horizontal plate alignment and rectangular cake shape.

- Allows for up to 10% lower, consistent Residual Moisture in the nal product especially when comparing to vacuum Itration where similar wash ratios are utilized.
- Utilizing stainless steel lter plates widens the operation range of lters at elevated process temperatures in hydrometallurgical operations and guarantees optimal process parameters during ltration, cake washing and membrane squeezing.
- Integrated shields guarantee a safe working area as well product protection, meeting the highest safety standards.
- Automatic operation insures limited attendance of operators and reduction of utilities are helping reducing operational costs.
- MOC packages for corrosive process applications available

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Metso Rauhalanpuisto 9, P.O. Box 1000, FI-02231 Espoo, Finland tel. +358 20 484 100

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