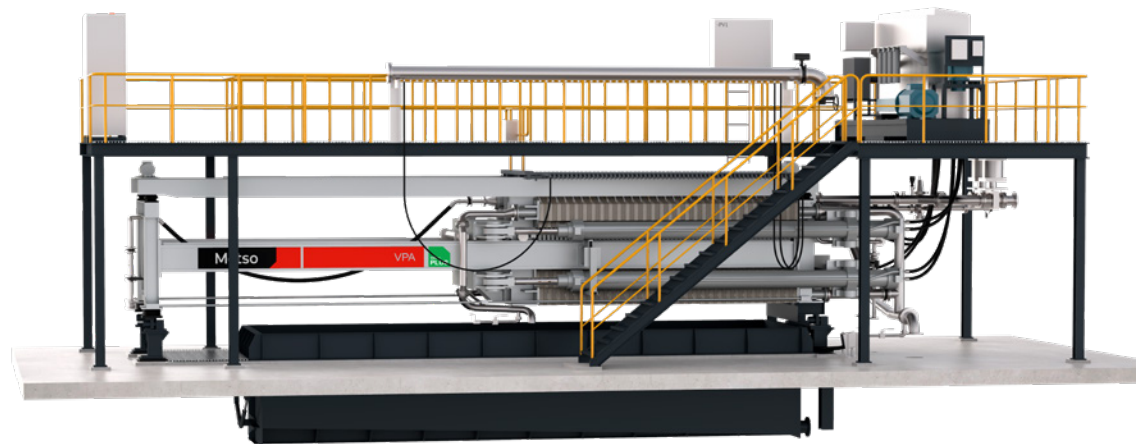


Metso

Pressure Filtration

Larox[®] FFP & VPA Filters

Comprehensive and sustainable dewatering solution supporting and improving process plant efficiencies



Metso
PLUS

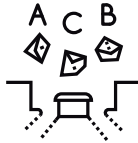
Leading sustainable dewatering innovations

With nearly a century of experience in supplying filtration equipment and services, Metso has one of the most comprehensive filtration portfolio on the market. We produce smart and sustainable dewatering solutions for various mining applications in concentrates, tailings and bulk filtration. Metso is always evolving to solve the toughest challenges that the customers may face.



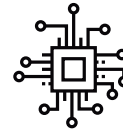
Strong legacy

Metso has nearly a century of experience in supplying filtration equipment and services



Unrivalled diversity

Comprehensive and sustainable portfolio coupled with a comprehensive Services offering



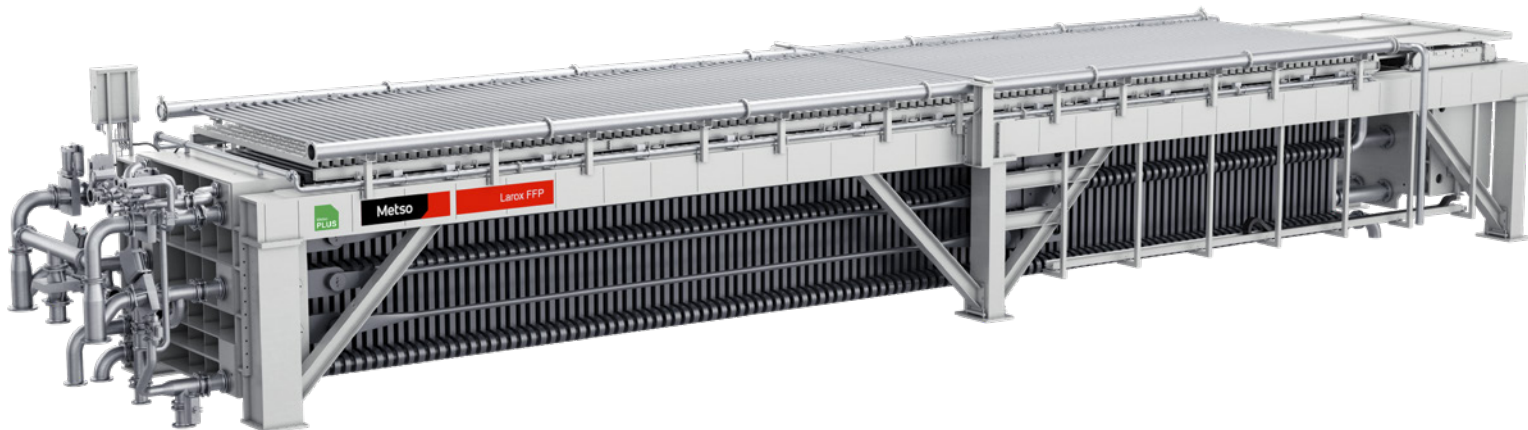
Smart dewatering

Smart and advanced automation features from control systems to automatic process adjustments for optimized performance and remote-control options



Leading process know-how

Metso has a unique Dewatering Technology Center (DTC) in Lappeenranta, Finland where R&D and testing is done with close cooperation on research with universities





Metso Plus

While society continues to ask more of our industry, as technology providers, we need to enable our customers to deliver more – more efficiently, more profitably and more sustainably. The comprehensive Metso Plus portfolio of equipment, parts and expert services has been designed to deliver just that – more performance to where it's most needed.

Metso Plus offering helps our customers cut their CO₂ emissions and achieve

their other sustainability priorities such as reducing pollution. In addition to direct emissions reductions, Metso Plus products can decrease the carbon emitted in manufacturing and delivering products and they offer potential for recycling materials. Metso Plus services can improve our customers' processes during modernizations and upgrades, as well as optimize existing production processes. In the long run, such cumulative gains can be very significant.

Metso Plus demonstrates our commitment to our customers and towards more sustainable filtration and dewatering practices. It emphasizes the change where we can make the biggest difference. Metso Plus enables both cost and resource efficiencies to our customers and is built on our extensive expertise and the reliability of our products plus our excellent service.

Pressure filtration

Larox® FFP and VPA filter

Metso
PLUS

Reliable and optimized dewatering solutions

Automation operation

The equipment has advanced control systems with automatic process adjustments that result in consistent performance. This enables the option for remote control access, leading to improved support for your operation.

High availability

With maintainability and productivity in mind, the equipment is designed for the highest level of reliability and automatic process adjustment capability.

High capacity

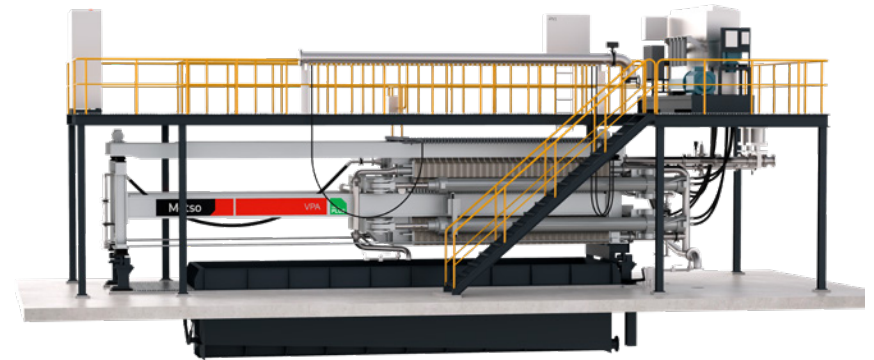
The latest technology filter plates are exclusively designed for mining applications and high throughput.

Low operation cost

Utilizing the benefits of Metso pressure filters lead to a reduced total cost of operation.

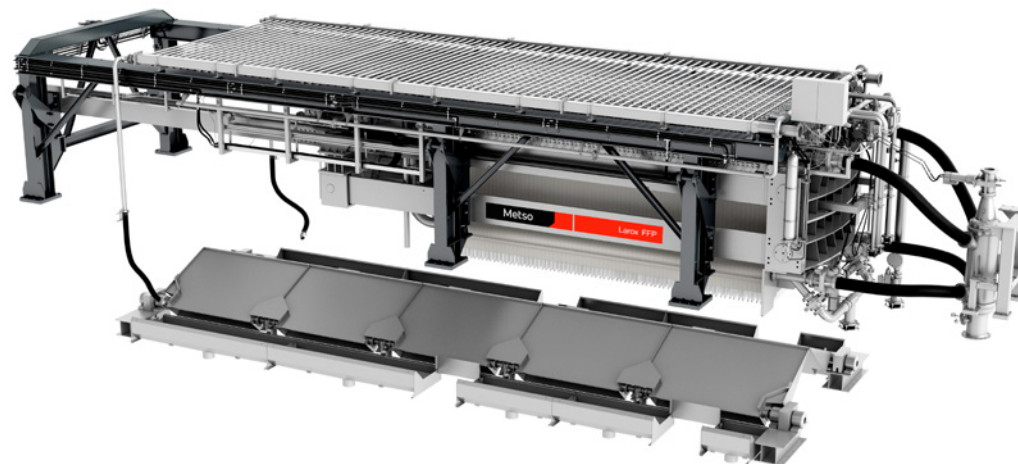
Environmentally friendly

Metso pressure filters produce dry filtered tailings which are the most viable and long-term solution for tailings to reduce tailings volumes into dry filter cakes.



Pressure filtration Larox® FFP

Reliable and optimized Larox FFP filter provides high volume processing for concentrates, tailings and bulk applications.

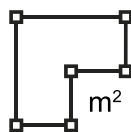


Model	Plate size (w/h) (mm)	Plate pack design	Filtration area per chamber (m ²)	Chamber depth (mm)	Chambers	Total filtration area (m ²)	Plate pack volume (m ³)	Max. operating pressure (bar)
FFP2512	2.50 x 2.50	Combi plate pack	9.6	40, 50, 60	30 - 62	288 - 595	5.4 - 15.4	12
FFP3512	2.50 x 3.50	Mixed plate pack	13.4	45	62 - 98	830 - 1314	16.7 - 26.5	12
FFP3716	2.70 x 3.70	Mixed plate pack	16.5	50	120	1980	44	16

Key features:



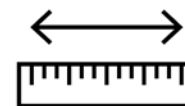
30 - 120 chambers
installed



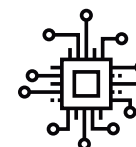
288 - 1980 m²
filtration area



Up to 16 bars
operating pressure



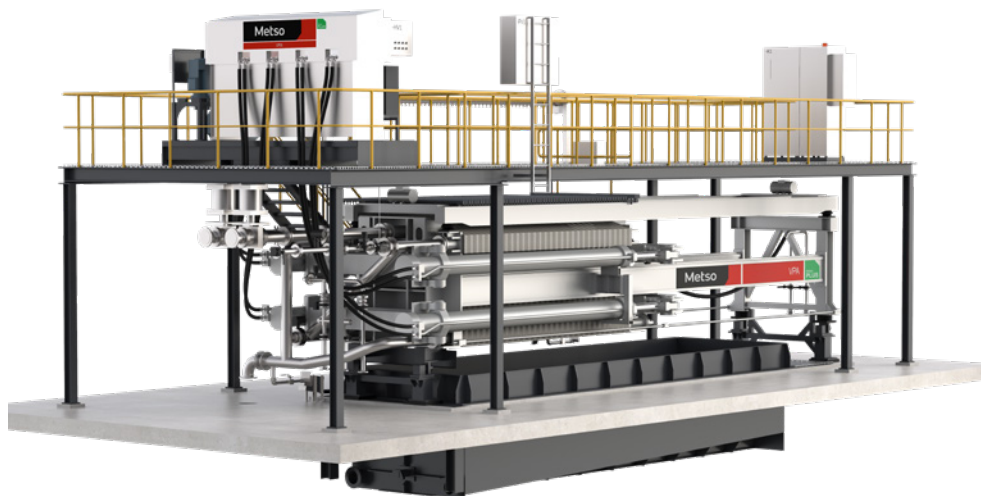
Variety of
chamber depth



Advanced
control system

Pressure filtration VPA filter

Metso VPA filter is a reliable and optimized dewatering solution with high volume processing for difficult tailings applications and concentrate filtration.

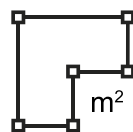


Model	Plate size (w/h) (mm)	Plate pack design	Filtration area per chamber (m ²)	Chamber depth (mm)	Chambers	Total filtration area (m ²)	Plate pack per volume (m ³)	Max. operating pressure (bar)
VPA 1510	2.2 x 2.0	Mixed plate pack	3.4	30, 40	20 - 60	68 - 204	1.1 - 3.7	10
VPA 2010	2.8 x 3.3	Mixed plate pack	7.8	40, 50	32 - 66	250 - 515	5.4 - 12.7	10

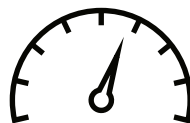
Key features:



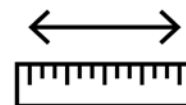
Up to 66
chambers installed



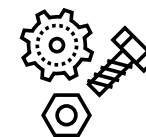
Up to 515 m²
filtration area



Up to 10 bars
operating pressure



30, 40 and 50 mm
chamber depth

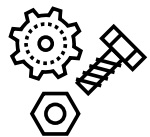


Few moving parts

Get the most out of your filters Metso Services

At Metso we strive to deliver the best possible quality, availability, performance, and financial solutions for our beneficiation and dewatering customers. We are dedicated to the long-term journey throughout the equipment life cycle, creating win-win relationships for all stakeholders.

By combining the quality products and expertise, we possess the unique ability to partner with our end-users, provide services, reliability, innovation and results safely with sustainability at the core of all we do.



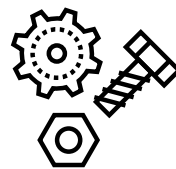
Spare and wear parts

Rely on OEM experts because not all parts are created equal. Spare and wear parts built to perform.



Maintenance, shutdowns and repairs

Trust those who know the equipment best to ensure that your production goals are met.



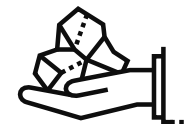
Modernizations, upgrades and retrofits

Whether you aim to restore equipment to its original condition or upgrade it for increase performance, explore your options.



Process optimization & connected services

By understanding your business needs, we improve performance using technology and expertise.

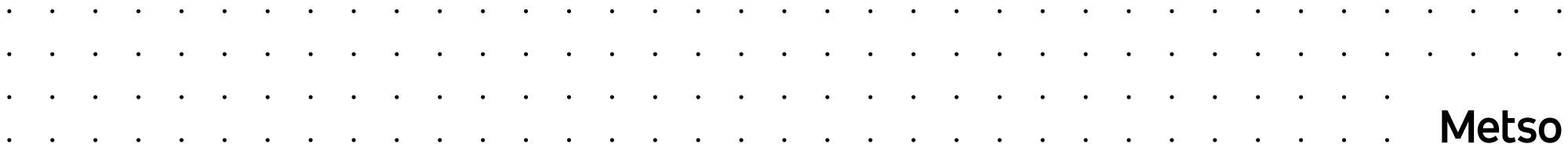


Life Cycle Services

Tailored service packages delivering performance outcomes. Your goals are our goals!

Metso is a frontrunner in sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. We improve our customers' energy and water efficiency, increase their productivity, and reduce environmental risks with our product and service expertise. **We are the partner for positive change.**

metso.com



Metso