

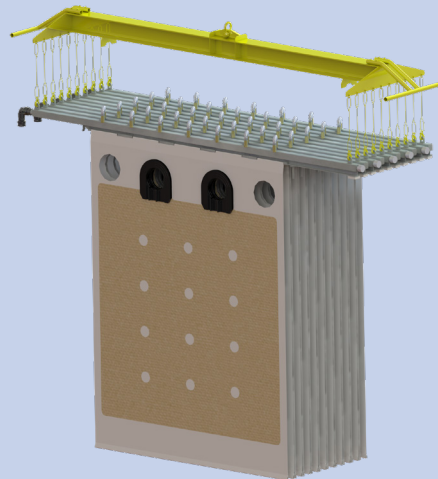
Availability meets sustainability

As the need for filtered tailings management increases, so does the demand for high-efficiency, large-capacity, dewatering equipment. With the AFP2500 Automatic Filter Press, you can expect an average of 93% availability and up to 95% recovery of process water.

When treating tailings at high volumes, even the smallest process disruptions add up. To keep your mine operating at its highest levels, all components of our AFP2500 Automatic Filter Press are designed for quick and easy maintenance. Our focus on cloth change and plate maintenance outside of the filter ensures maximum efficiency and safety while the filter is operating –for high availability with no spare filter required.

Key benefits

- Lowest cost per ton in the industry
- Lowest product moisture per kW
- Ultra-robust design extends lifecycle
- Highest-efficiency cloth wash
- Largest volume and filtration surface of any 2.5m filter
- Rapid filter cloth removal



A dual upper feed eye eliminates the requirement to remove filter plates from the filter for cloth changing. The heavy-duty design, high efficiency flood wash and drop-in filter media cloth changing system ensure the highest availability. Fast filtration times and short mechanical times minimise the filter cycle time.

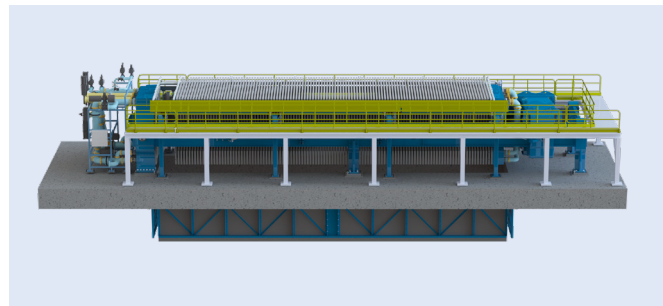
FLS

The highest efficiency at the lowest cost

Versatility with a “membrane ready” filter

With a maximum filter feed pressure of 15 Bar, the AFP2500 achieves maximum cake density and minimum cake moisture without the use of membranes when dewatering many concentrate and tailings slurries.

- The AFP2500 is offered in a full array of recess chamber and membrane plate cake thicknesses.
- In the event of PSD or ore body change, all AFP2500 filters are manufactured with the required porting and PLC programming to perform the membrane squeeze step of a filtration cycle. A membrane squeeze retrofit kit is also an option, and includes the intermediate squeeze plates, squeeze compressor and valves and instruments required to transform filters into a membrane filter press.



Highest production capacity

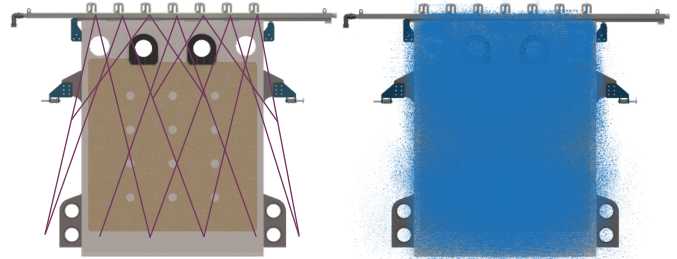
Leveraging our latest in-house technology, the AFP2500 offers the greatest filtration area and highest production capacity available, compared to filters with similar plate sizes. Extra length provided by the latest closing mechanism allows for more plates, reducing the total number of filters required for high-production applications.

Heavy-duty for extended service life

The AFP2500 was designed from the ground up to optimise strength and minimise weight, while incorporating mining-grade components. Featuring the latest highly wear-resistant materials and designs, the AFP2500 is built to last for the life of your mine and beyond.

Maximum water recovery

Lower product moisture for dry stacking also means greater overall water recovery. Our entire AFP product line is optimised to produce the driest cakes possible, maximising water recovery (up to 95%) and lowering environmental impact.



Efficient cake removal and on-plate cloth washing

High-amplitude, low-frequency shaking of the entire plate stack ensures efficient cake recovery with every cycle.

Cloth washing is critical to cloth life and limiting downtime. Our on-plate wash system incorporates custom spray patterns to regenerate the filter media, flush the seal surfaces and ultimately achieve maximum cloth life.

Safe, fast and easy cloth changeouts

Quickly swap sets of 20 cloths using the FLS cloth lifting apparatus. This significantly improves availability and reduces safety risks associated with changing cloths within the filter. Cloth maintenance is performed outside of the filter on purpose-built maintenance platforms. If cloth blinding or "plugging" causes failure, the racks can be provided with an optional high-pressure washing system to rejuvenate the media prior to placing it back into service.

Higher availability means increased production with greater than 93% availability achieved in the field.

Design envelope specifications

Filter cake dimensions (mm)	2500 x 2500
Max. quantity of chambers	170
Max. filtration area per filter (m ²)	2098
Max. filter volume (m ³)	38
Max. production (tpd)	8700
Max. filtration pressure (bar/psi)	16 / 218

FLSmidth A/S
2500 Valby
Denmark
Tel. +45 3618 1000
info@flsmidth.com

www.flsmidth.com

FLSmidth Inc.
Salt Lake City Operations
Midvale, UT 84047-5559
USA
Tel. +1 801 871 7000
E-mail: info.slcc@flsmidth.com

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