



FLSMIDTH  
Mission Zero

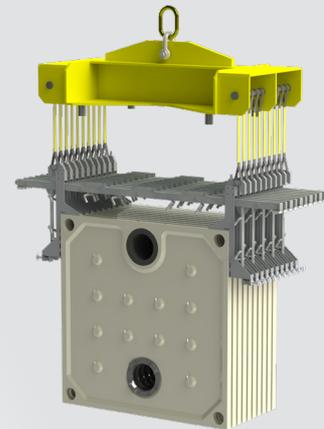
# Availability meets sustainability

As the need for filtered tailings management increases, so does the demand for high-efficiency, large-capacity, dewatering equipment. With the AFP2525 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 AFP2525 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 of production
- Lowest cake moistures
- Highest availability in the industry
- Ultra-robust design extends lifecycle
- Highest-efficiency cloth wash
- Highest production rates – 300 tph from a single filter; 7,200 tpd
- Rapid plate-pack removal



A unique lower-center feed eye design optimises filtration rates, resulting in the industry's lowest product moisture per kW. The AFP2525's heavy-duty design, high efficiency flood wash and off-filter cloth changing system produce high availability. Fast filtration rates and short mechanical times minimise the filter cycle time. The combination of speed and reliability result in the lowest cost per ton in the industry.

# The highest efficiency at the lowest cost



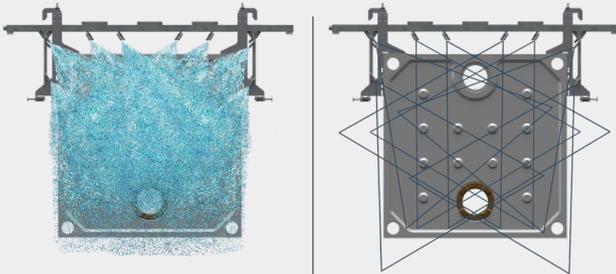
## Cake consolidation without membrane

By designing the feed eye location at the machine's lower centre, the AFP2525 produces complete cake consolidation without the need for further mechanical dewatering. This feature, along with an internal feed loop, reduces both the process time and required spare parts associated with membranes. Membrane plates are available, but not required.

## 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 plate packs of 10-plus plates per set to significantly improve availability and reduce the safety risks associated with changing cloths within the filter. Cloth and plate maintenance is performed outside the filter on purpose-built maintenance platforms. Higher availability means increased production – with greater than 93% availability achieved in the field.

## Highest production capacity

Leveraging our latest in-house technology, the AFP2525 offers the greatest filtration area and highest production capacity available, compared to filters with similar plate sizes. Extra length provided by the closing mechanism allows for more plates, reducing the total number of filters required for high-production applications.

## Heavy-duty for extended service life

The AFP2525 was designed from the ground up to optimize strength and minimize weight, while incorporating mining-grade components. Featuring the latest highly wear-resistant materials and designs, the AFP2525 is built to last for the life of your mine and beyond.

## Maximum water recovery

Lower product moisture for filter tailings also means greater overall water recovery. Our entire AFP product line is optimised to produce the driest cakes possible, maximising water recovery and lowering environmental impact.

### Design envelope specifications

Plate dimensions (mm)	2,500 x 2,500
Max. quantity of chambers	156
Max. filtration area per filter (m <sup>2</sup> )	+1,700
Max. filter volume (m <sup>3</sup> )	32.6
Max. production (tpd)	7,200
Max. filtration pressure (bar/psi)	15 / 218

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