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Alfa Laval launches Low Head Fully Automatic Plate Press Washer

At the IFAT 2016 exhibition in Munich, Germany, from May 30 to June 3, Alfa Laval – a leading global provider of solutions and services for the water and waste treatment – introduces a new, low head fully automatic washing machine for its fully mechanised plate press.

Alfa Laval has recently launched the new low head AS-H Fully Automatic Cloth Washer as an option for the Alfa Laval AS-H Fully Mechanised Plate Presses with side bar design. They are especially suited for high capacity, continuous dewatering in municipal and industrial applications, where a very high level of dry solids of the cake is of paramount importance. Plate presses are the best technology for solids capture > 99%. Alfa Laval's fully mechanised plate press offer maximum degree of automation, also with extremely sticky filter cake.

The new enclosed all stainless steel washing machine cleans the filter cloths of the plate press utilizing high pressure water at up to 100 bar. It works in conjunction with the automated plate separator of the plate press, and is an alternative to the company's previous automatic washer of standard height, which has been sold for more than 10 years. Thanks to the lower height, fully mechanised AS-H plate presses with the new automatic plate washer can be (retro)fitted into buildings with less ceiling height, potentially saving construction costs.

"To continue working efficiently, the cloth of the filter plates needs cleaning at regular intervals. This can be done either mechanically or manually," says Paul Baggaley, Business Development Manager, Plate Press Technology, Alfa Laval Ashbrook Simon-Hartley. "Manual washing can be very time consuming and laborious leaving the plate press out of operation for up to a complete shift. With fully automatic washing the filter cloths are precisely cleaned over the full filtration and gasket surface much more efficiently than cleaning by hand. When the plate press is equipped with the Alfa Laval AS-H Fully Automatic Cloth Washer, the entire cleaning process is done much faster without any need for operator intervention. The machine automatically separate the plates, and double acting arms wash two plates at a time."

The fully automatic cloth washer is especially suited for large capacity plate presses, and can be retrofitted to existing plate presses.

During the automatic washing as well as the fully mechanised dewatering process, the operator safety system based on infrared light automatically stops the operation of the plate press, if hands or other objects move into the safety area. Washwater, cake and filtrate from the dewatering process are gathered in the mechanised, double acting hydraulic drip trays for discharge.

"For plants that need high dewatering capacity and have focus on efficiency, labour costs and maintaining throughput capacity the Alfa Laval AS-H Fully Mechanised Plate Press with the new Fully Automatic Cloth Washer it the perfect choice. They offer continuous, highly efficient operation with low manpower requirements as all main operational steps are fully mechanised", Paul Baggaley concludes.

Alfa Laval also offers semi-mechanised plate presses and manual plate presses for pilot and lab tests.



Contact people for more information

Paul Baggaley, Business Development Manager, Plate Press Technology, Alfa Laval Ashbrook Simon-Hartley, tel. +44 7747 642 293, paul.baggaley@alfalaval.com

Annette Risberg, Central Communications Manager, Water and Waste Treatment, Alfa Laval, Tel: +45 2777 8539, annette.risberg@alfalaval.com

Editor's Notes

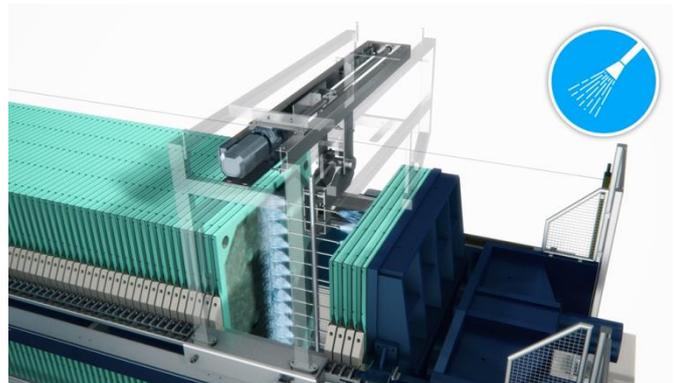
Alfa Laval is a leading global provider of specialized products and engineering solutions based on its key technologies of heat transfer, separation and fluid handling.

The company's equipment, systems and services are dedicated to assisting customers in optimizing the performance of their processes. The solutions help them to heat, cool, separate and transport products in industries that produce food and beverages, chemicals and petrochemicals, pharmaceuticals, starch, sugar and ethanol.

Alfa Laval's products are also used in power plants, aboard ships, in the mechanical engineering industry, in the mining industry and for wastewater treatment, as well as for comfort climate and refrigeration applications. Alfa Laval's worldwide organization works closely with customers in nearly 100 countries to help them stay ahead in the global arena.

Alfa Laval is listed on Nasdaq OMX, and, in 2015, posted annual sales of about SEK 39.7 billion (approx. 4.25 billion Euros). The company has about 17,500 employees. www.alfalaval.com

High resolution images can be downloaded at www.alfalaval.com/IFAT2016/Press



Alfa Laval recently launched a new fully automatic, low head, double acting cloth washing machine for its AS-H Fully Mechanised Plate Press, that also features an automated plate separator and full operator safety system.