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Alfa Laval launches a new Compabloc FreeFlow condenser for the pharmaceutical industry

Compabloc FreeFlow is a highly efficient, fully welded plate heat exchanger especially developed for use in pharmaceutical applications. It is easy to clean, offers top hygienic properties, exceptional performance, corrosion resistance, and compact size. The result is better product quality and lower operating costs.

Compact size

Superior heat transfer efficiency in a Compabloc FreeFlow makes it possible to reduce the required heat transfer area dramatically compared to an equivalent shell-and-tube or graphite block. This means it can be as small as one-fifth in size compared to a shell-and-tube, and still offer better heat transfer.

The small size is especially valuable if you are planning to increase production but lack space. A Compabloc FreeFlow fits anywhere and is easily integrated into your process.

Low costs and long working life

Thanks to the compact size, investment and installation costs for a Compabloc FreeFlow are low, even when the unit is manufactured in highly resistant materials such as Hastelloy. The robust, fully welded design makes Compabloc FreeFlow insensitive to thermal shock and vibrations. It is built for maximum reliability, offers a long working life, and good return on investment.

The high thermal efficiency allows a Compabloc FreeFlow to work with a closer temperature approach than a shell-and-tube or graphite block. This makes it possible to use less cooling medium and in some cases a warmer, less costly cooling medium.

Meeting the highest hygienic standards

Compabloc FreeFlow has excellent hygienic characteristics. It has no contact points on the product side, is fully drainable, and is easy to clean and inspect. It fully meets the requirements for installation in stringent cGMP processes. The risk of cross-contamination between batches is minimal thanks to the absence of contact points and the crevice-free design, which facilitates fast and thorough cleaning.



More to discover

Please visit Alfa Laval, in Hall 4.0, stand D4 at ACHEMA, Messe Frankfurt, Frankfurt am Main in Germany June 15-19 2015.

About Alfa Laval

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 2011, posted annual sales of about SEK 28.6 billion (approx. 3.2 billion Euros). The company has today about 16 000 employees.

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