

Candle filters now offered in standardised modular system

BHS-Sonthofen Process Technology has restructured its product range for candle filters of type CF. "The demand for modularised solutions in the chemical industry and industries adjacent to it has been growing for years now," says Managing Director Volker Spies. "That's why we decided to offer our candle filters in a standardised range with a variety of modules." Customers can choose from a total of 15 different sizes that cover all common applications and market requirements, with filter areas ranging from one to 87m².

Depending on the requirements, the right filter is selected in cooperation with the filtration experts at BHS. There is a number of ways to expand each module, such as by adding piping modules or control solutions. This means that each machine can be extended or adapted at any point in the future, as all the individual components are compatible with one another – eliminating the need for custom modifications.

Standardising the product range to predefined sizes and components leads to simplified processing, which significantly reduces engineering times and therefore lowers costs. "Many

applications in the chemical industry require solutions that are quick and cost-efficient to implement, provide flexibility and can be extended based on individual needs," says Spies. The high degree of prefabrication makes the modularly designed machines easy to assemble. In addition, candle filters also consume less energy, thus saving operating costs.

The candle filter is a discontinuously operating filter with candle-shaped filter elements that are arranged vertically in a pressure vessel. They are ideally suited for clarifying liquids with a low solids content. The process steps commonly performed with this system include filtration, washing, drying and discharge. The stainless-steel candle filter is compact and sturdy, operates fully automatically and enables high throughput rates, dry cake discharge and a wide range of cake treatment options. Typical applications include removing catalysts, the clarification filtration of plastic additives and processing metal salts, hydroxides and activated carbon. The new system is available at all BHS locations worldwide.

www.bhs-sonthofen.de