

PRESS RELEASE for ACHEMA

Hygienic HYGHSPIN twin screw pumps

Improving filling capacity

Many cleaning products, shampoos and shower gels produce foam and problems are often experienced when filling these kinds of products. As the foam overflows, the outside surface of the bottle is contaminated with product residue and it is then hard to stick on labels. In order to overcome such problems, the filling systems have to run relatively slowly in order to prevent foaming or the outside of the container has to be cleaned after filling. However, foaming can also be avoided using a suitable pump system and the filling process thereby greatly simplified.

Many of the pumps used in systems cause products to move around intensively, which encourages the unwanted foaming. But this isn't the case with systems fitted with hygienic twin screw pumps from HYGHSPIN as they pump the product in a much gentler manner. "In our HYGHSPIN pumps, the media is pushed axially through the pump. The displacers rotate, but the product doesn't," explains Henning Groenwoldt-Hesse, head of sales at Jung Process Systems. The north German firm is a specialist in the manufacture of this special type of pump. "An international manufacturer of cleaning products was experiencing major foaming problems when filling their products. By switching to our twin screw pumps, they were able to increase the filling capacity on their line from 90 to 160 bottles a minute, meaning that their investment paid off very quickly."

The design of the HYGHSPIN twin screw pumps from Jung Process Systems GmbH

is based on the principles of hygienic design. As is generally the case for such pumps, the HYGHSPIN models are manufactured out of stainless steel. However, all parts which come into contact with media are machined from solid material. The risk of imperfections such as cracks or shrink holes, which occur when using cast parts, are thereby eliminated with HYGHSPIN pumps. The surfaces are electropolished and have a roughness of less than 0.8 μm as standard. Versions with a Ra value of less than 0.4 μm are available for special requirements.

HYGHSPIN twin screw pumps can pump a huge range of viscosities. Not only does this make them very individual and flexible, but also allows them to be cleaned without a bypass. Contact-free cleaning is undertaken inside the system, which no longer has to be disassembled, delivering advantages when pumping paints and lacquers but also adhesives. Groenwoldt-Hesse: "The risks associated with product residue are eliminated." HYGHSPIN twin screw pumps also come in a version resistant to solvents and a version suitable for use in areas at risk of explosion, for example as defined by ATEX. Thanks to the excellent thermal separation between pump body and bearing bracket, the pumps are also suited to higher pumping temperatures without the need for elaborate cooling measures.

Jung Process Systems will be on stand F27 in Hall 8.0 at ACHEMA.



(Photograph: JPS _Blockbauweise.jpg, source: Jung Process Systems)

The HYGHSPIN pumps various viscosities and avoids the risk of foaming

Jung Process Systems GmbH Team

Auweg 2

D-25495 Kummerfeld/Pinneberg

Contact:

Ines Schröder -215 (Mon-Thurs 8am-1pm)

Telephone: +49 4101-7958-140

Fax: +49 4101-7958-142

info@jung-process-systems.de

www.jung-process-systems.de