### Sulz am Neckar, October 2020

Cooperation between KIPP and Freudenberg Sealing Technologies **EHEDG recertification of the Hygienic USIT® screw and seal system**

**The new Hygienic USIT® screw and seal system has been specially developed for use in hygiene-sensitive area. As part of the recertification process by the EHEDG (European Hygienic Engineering and Design Group), cooperating partners KIPP and Freudenberg Sealing Technologies have made some optimisations. The reworked stainless steel parts are certified to EL Class I AUX.**

The inside diameter of the sealing washer has been slightly reduced in order to improve centring. This meant that the screw shank had to be adapted. HEINRICH KIPP WERK also reworked the gradations in the shank lengths. In certain length versions, the screws now have a regular thread right up to the screw head. In order to make the screw connection system visually uniform, there has been an adaptation of the cap nut at the screw head.

The basis of the screw and seal system is the [hygienic USIT® seal](https://www.kipp.com/gb/en/Products/Operating-parts-standard-elements/Machine-and-fixture-components/Screws-nuts-and-washers/Hygienic-USIT%C2%AE-seal-and-shim-washers.html) from Freudenberg. The special contour of the sealing bead and the polished flange seat of the screw head ensure positive sealing of the screw point. The sealing properties remain constant even after repeated loosening and tightening of the screw. To go with the sealing washer, KIPP has developed the matching NOVOnox hygienic [hexagon head bolt](https://www.kipp.com/gb/en/Products/Operating-parts-standard-elements/Machine-and-fixture-components/Screws-nuts-and-washers/Stainless-steel-hexagon-head-screws-with-collar-and-seal-and-shim-washer-for-Hygienic-USIT%C2%AE-set.html) and [cap nut](https://www.kipp.com/gb/en/Products/Operating-parts-standard-elements/Machine-and-fixture-components/Screws-nuts-and-washers/Stainless-steel-cap-nuts-with-collar-and-seal-and-shim-washer-for-Hygienic-USIT%C2%AE-set.html). A combination of these stainless steel products forms a screw and seal system that meets all the requirements of hygiene-sensitive areas. Polished surfaces, radii and shape transitions are cavity-free and ensure easy cleaning. Screw, cap nut and USIT® sealing washer are optimally coordinated with each other. Although the products are available individually, the EHEDG certificate only applies to the system as a unit.

(Characters including spaces: 1,778)