Doubly challenging: dosing nail gel efficiently

How to fill chemically aggressive nail gels without tearing them off

**Filling nail gel is one of the more complex applications due to the viscosity of the material. Nail gel is a chemically aggressive, UV-reactive modeling material that only hardens with the aid of UV light. With the vipura-PUMP 10T, ViscoTec has now developed a dosing technology that does equal justice to the high viscosity and the enormously stringy behavior of nail gels.**

Contract manufacturers and machine builders who operate or develop systems for filling nail gels benefit several times over from this tear-free and therefore clean dosing into the bottles, which usually hold 50 to 100 ml. This makes the vipura-PUMP 10T a dosing technology that enables cosmetics companies and contract manufacturers to produce more economically and more cleanly.

The vipura-PUMP 10T is compact and follows hygienic design guidelines. The pump can be relatively easily and quickly integrated into existing processes which also makes it the ideal dosing technology for the food sector and pharmaceutical production. Compared to exisiting pumps, the vipura-PUMP 10T, with its height of just under 600 mm and 220 x 170 in footprint, is significantly more compact and therefore also lighter, which, among other things, also promotes short cycle times. Its ability to volumetrically fill low and high-viscosity materials alike and even to non-destructively dose materials containing solids with a diameter of up to 20 mm makes the vipura-PUMP 10T a pump for the present - and the future. This is also underlined by the demonstrably long service lives - despite the use of abrasive and shear-sensitive materials. The vipura-PUMP 10T is made of stainless steel and uses FDA-compliant elastomers. All wetted components are autoclavable. On request, the vipura-PUMP 10T can be equipped with an optional rinsing connection for CIP.

1,928 characters including spaces. Reprinting free of charge. Copy requested.

Images:



vipura-PUMP 10T (Source: ViscoTec)

ViscoTec - Perfectly dispensed!

ViscoTec Pumpen- u. Dosiertechnik GmbH manufactures systems required for conveying, dispensing, applying, filling, and emptying medium to high-viscosity fluids. The headquarters is in Töging a. Inn (Bavaria, near Munich). ViscoTec has subsidiaries in the USA, in China, Singapore, India, France and in Hong Kong and employs about 300 people worldwide. Numerous sales partners all over the world complete the international distribution network. Along with technically sophisticated solutions to even the most complicated application, ViscoTec is the single point of contact to deliver all components for a complete system: From emptying and treatment to dispensing. This guarantees successful interaction of all components. All fluids showing a viscosity of up to 7.000.000 mPas can be conveyed and dispensed almost pulsation-free and with extremely low shear. ViscoTec offers comprehensive consulting for every application and, if required, extensive tests will be carried out in close cooperation with the customer. The dispensing pumps and systems are perfectly adapted to their respective application whether it is in the food sector, the e-mobility industry, the field of aerospace, medical technology, the pharmaceutical industry, electronics manufacturing, and many other branches.

Press contact:

Lisa Kiesenbauer, Marketing

ViscoTec Pumpen- u. Dosiertechnik GmbH

Amperstraße 13 | 84513 Töging a. Inn | Germany

Tel.: +49 8631 9274-0

lisa.kiesenbauer@viscotec.de | www.viscotec.de