



# Press Release

## Precise filling of highviscosity semisolids

### ViscoTec Pharma Dispensers impress during application

ViscoTec Pharma Dispensers enable highly accurate dosing of various media with a high degree of process reliability – ranging from low to high viscosity, with minimal product loss.

In order to raise the levels of safety and effectiveness of pharmaceuticals in clinical studies, the pharmaceuticals must be delivered under GMP conditions. This prevents crosscontamination and the ingress of other impurities, thus ensuring meaningful results. In a "Pharmavize" project, implemented by ViscoTec Pumpen- u. Dosiertechnik GmbH, the Pharma Dispensers convinced with minimized product loss due to high precision dosing results and excellent repeatability. "Pharmavize" is a specialist in pharmaceutical development services, and provides support to its customers all the way from the preclinical phases to the followup once products have been approved.

The task for ViscoTec was to ensure the delivery of highviscosity gel with a high degree of process reliability from 10 kg batch sizes into 30 g tubes. This delivery process is achieved through a semiautomatic dosing system with Pharma Dispensers from ViscoTec. The gel is supplied to the Pharma Dispenser via prefilled cartridges. The tube is fitted to the luer lock adapter of the dispenser and the automatic dosing is started via a start button. After filling, a sealing device is used to seal the tube.

Filling accuracies of >99% were achieved when the dispenser was used onsite. The adjustable suckback of the ViscoTec Pharma Dispenser ensures that the filler neck of the tube remains clean.

The modular nature of the dosing system will allow "Pharmavize" to adapt quickly and flexibly to various requirements in future projects and for a range of container types (syringes, vials, carpules, etc.), regardless of the viscosity (liquid suspensions to highly viscous ointments or pastes) of the pharmaceutical or biotechnological product. Even abrasive media and media containing solids can be dosed with a high degree of process security and a low level of shearing. The ViscoTec dosing modules can be quickly assembled, delivered and installed according to customer requirements.

Please visit the ViscoTec website for further information about the Pharma Dispensers: [www.viscotec.de](http://www.viscotec.de)  
For further information regarding Pharmavize NV see: [www.pharmavize.com](http://www.pharmavize.com)





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*ViscoTecPharma Dispenser doses high-viscosity gel*

### **ViscoTec – Perfectly dosed!**

ViscoTec Pumpen- u. Dosiertechnik GmbH primarily deals with systems required for conveying, dosing, applying, filling and emptying medium to high-viscosity fluids. The technological leader headquarter is in Töging a. Inn (Bavaria). Furthermore ViscoTec has subsidiaries in the USA, in China and in Singapore and employs almost 120 people worldwide. Numerous sales partners all over the world complete the international distribution network. Next to 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 to preparing and to dosing. This guarantees successful interaction of all components. All fluids showing a viscosity of up to 7.000.000 mPas can be conveyed and dosed 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 dosing pumps and systems are perfectly adapted to their respective application whether it is the food sector, the automotive industry, the aerospace field, the medical technology, the pharma area and many other branches.

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