Product innovation – vipro-PUMP MR

Optimized dosing solution for drip applications with a high degree of process reliability

Particularly due to the electrification of drives in the automotive industry, demand is rising for durable motors that boast maximum power density and low noise emissions.   
The impregnation of rotors and stators are key processes in the manufacturing of electric motors. As a dedicated supplier of systems for dosing technology, ViscoTec's systems feature a high degree of process reliability to ensure significant machine availability and perfect dosing results for manufacturers of highly efficient electric motors, since both these factors play a crucial role in quality and quantity.

The newly developed vipro-PUMP MR series of dispensers guarantee reliable impregnation processes of the highest quality. ViscoTec has drawn upon its many years of experience from a variety of projects involving drip applications and combined this with the benefits of progressive cavity technology. With the vipro-PUMP MR, plant operators receive a virtually maintenance-free dispenser with the usual level of high precision – one that doses all conventional impregnating resins, even chemically aggressive ones. This ensures that plant operators benefit from plants that are maintenance-friendly and highly durable. A patent application has already been filed for the vipro-PUMP MR and the associated process.

Product advantages:

* Adapted seal and pump housing with material reservoir
* Freely teachable fill level sensor for flexible adaptation to the production process
* Avoidance of media contact for sealing enables maximal product life
* Temperature monitoring
* Modular construction enables fast and simple maintenance
* Optional assembly plate for quick maintenance
* Optional process connection for e.g. inert gas
* Optional filling valve

The optimized dispenser is available in two sizes: vipro-PUMP 40 MR & vipro-PUMP 100 MR. These sizes cover the typical process speeds for impregnating the stators.

Renowned suppliers of electrified drive trains such as [ZF Group](https://www.zf.com/mobile/en/homepage/homepage.html) are already benefiting from the advantages of the vipro-PUMP MR.

ViscoTec is able to cover the complete dosing portfolio for drip processes – from the removal and material treatment through to the precise application of the materials to be dosed. Find out more on our website at <https://www.viscotec.de/en/products/>

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Automatisch generierte Beschreibung**

*Optimized dosing solution for drip applications with vipro-PUMP 100 MR*

ViscoTec – Perfectly dosed!

ViscoTec Pumpen- u. Dosiertechnik GmbH is a manufacturer of systems that are required for the feeding, dosing, application, filling and removal of media with low to high viscosity. The company is renowned as a technological market leader, and its headquarters are located in Germany, in the town of Töging am Inn (near Munich in the state of Bavaria). In addition, ViscoTec operates subsidiaries in the USA, China, Singapore, India, France and Hong Kong, and employs around 330 people worldwide. Its international sales and distribution network is rounded out by numerous dealers across the globe. As well as providing technically sophisticated solutions for even the most complex of tasks, ViscoTec offers all the components necessary for a complete application from a single source: In this way, all stages of the process are covered, from removal and material treatment through to dosing. This ensures that all components of a given system work together successfully. All media that have a viscosity of up to 7,000,000 mPas in individual cases are conveyed and dosed practically pulsation-free and with extremely low shear. Comprehensive advice is provided for every application – and, where necessary, extensive trials and tests can be carried out in close collaboration with the client. ViscoTec dosing pumps and dosing systems are optimally tailored to the respective application: no matter whether this concerns an application in the food industry, e-mobility, aerospace, medical technology, pharmaceuticals, electronics manufacturing, or one of many other sectors.

**About ZF**

ZF is a global technology company supplying systems for passenger cars, commercial vehicles and industrial technology, enabling the next generation of mobility. ZF allows vehicles to see, think and act. In the four technology domains of Vehicle Motion Control, Integrated Safety, Automated Driving, and Electric Mobility, ZF offers comprehensive product and software solutions for established vehicle manufacturers and newly emerging transport and mobility service providers. ZF electrifies a wide range of vehicle types. With its products, the company contributes to reducing emissions, protecting the climate and enhancing safe mobility.

With some 165,000 employees worldwide, ZF reported sales of €43.8 billion in fiscal 2022. The company operates 168 production locations in 32 countries.

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