

ViSCO[®].series



beinlich.*pump
systems*



Feel the difference.

Pinpoint dosing.

The pumps of the ViSCO.series® product range are designed for a continuous dispensing proportional to speed where high precision is a must.

The technology of the ViSCO.series® is based on the volumetric principle of an endless (infinite) piston whereas the core components rotor and stator form a perfectly sealed metering chamber.

The eccentric movement of the rotor allows for a low-shear motion of the medium from one chamber to the next chamber without squeezing the media. Thus, the pumps of the ViSCO.series® are also well suited for filled media.

In addition to ViSCO.pump®, ViSCO.mini®, ViSCO.square® and ViSCO.mini.square®, the ViSCO.series® product range comprises seven more product variants as the feed pump ViSCO.feed®, the drum drainage pump ViSCO.barrel® as well as the 2 component dosing pumps ViSCO.pump2k® and ViSCO.mini2k®. Versions with valve as the ViSCO.pump.V® and ViSCO.mini.V® and the control electronics ViSCO.tronic® complement the product portfolio.

Almost no tools are needed for installation and disassembly. An improved and more effective ventilation, a modular system for easy conversion from 1K to 2K and easy cleaning are characteristic for this Beinlich pump series.

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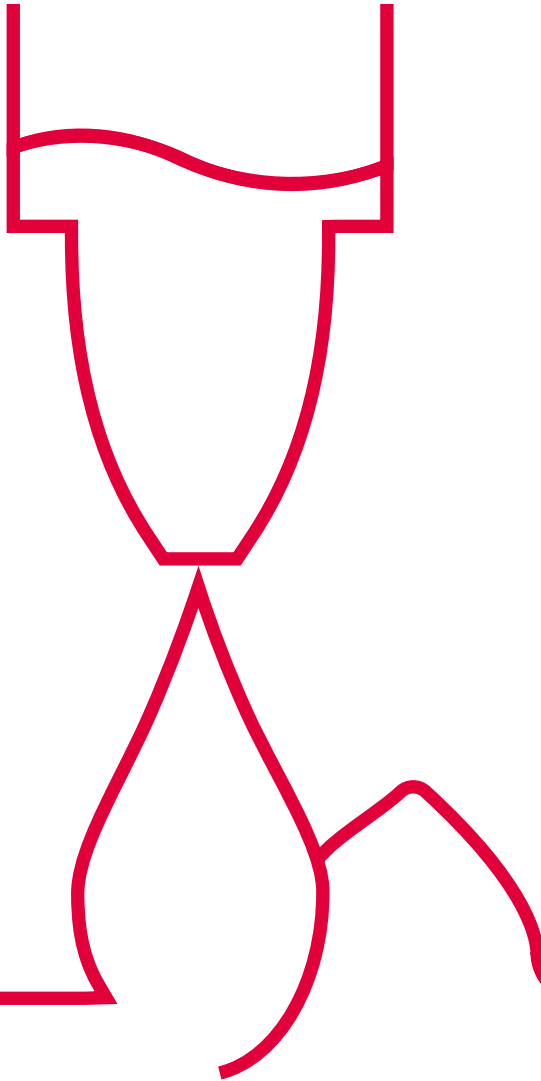
Product range ViSCO.series[®]

Advantages.

- High dosing accuracy, $\pm 1\%$ volumetric
- Continuous dosing independent of viscosity
- Low shear stress on dosing media
- Valveless closed system
- Handles abrasive media
- Pulsation free
- Almost tool-free installation and disassembly
- Improved and more effective ventilation
- Easy cleaning
- Suck back effect
- Modular system



Application areas.



- Applying
- Dosing
- Sealing
- Bottling
- Underfilling
- Bead dispensing

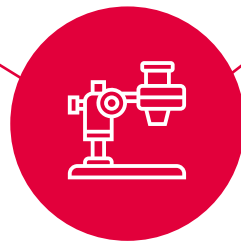
Industries.

We offer the right product for every industry. Whether as a standard version or as an individual customer project, the pumps of the ViSCO.series® are the ideal solution for your dosing application.



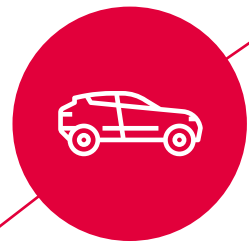
Aerospace & Aviation

Due to low shear stress of the dosing media, shear sensitive media can be dosed gently and precisely. Our pumps are ideal for sealing of screws or rivets, for gluing and sealing of aircraft components and for filling edges and honeycomb structures.



Pharma

Due to different viscosities of low viscous pharmaceuticals, cannabis oils or high viscous ointments, a versatile pump series is essential in the pharmaceutical industry. Typical applications include the filling and dosing of ointments, creams and gels.



Automotive

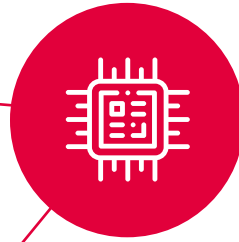
The applications are becoming increasingly diverse due to the growing e-mobility and also complex due to the use of a wide variety of media such as anaerobic adhesives and highly filled and abrasive media. Our pumps are particularly suitable for the bead dispensing of adhesives and silicones, the potting and encapsulation of electronic components, the application of sealing beads in battery production and bonding in the assembly of battery modules.





Cosmetics

In the cosmetics industry, special requirements on dosing systems have to be fulfilled so that product properties are not changed or destroyed. As in the pharmaceutical industry, a wide variety of viscosities are used, some with abrasive properties such as in peelings. Applications in this industry are the filling of small batches of mascara or lipsticks, peelings or nail varnishes.



Electronics

Maximum reliability, process safety and precision are required in the electronics industry. The compliance with cycle times and dosing speeds is crucial. That is why the ViSCO.series® is ideally suited for potting, gluing, underfilling and for glob top applications in the manufacture of printed circuit boards, as well as for bonding displays, board potting and sealing.



Medical technology

Precise and reliable dosing is essential for the medical technology. The pumps of the ViSCO.series® are used for the filling and dosing of tooth whitening gels, dental fillings, silicones and bone substitutes, as well as for the bonding of pacemakers.



Food industry

The variety of recipes in food production is continuously increasing. Media with different consistencies such as sugar, fruit acids, vinaigrettes or chunky sauces place high demands on the pump technology. The pumps of the ViSCO.series® are used for filling sticks or flat pouches for ketchup, mustard and mayonnaise or dosing icing or chocolate.



More than just a point.

A dosing process is like threading a thread into the needle. Optimal results are achieved with precision and accuracy. We support you with suitable components for your dosing task.

Not only for dot dispensing, but also for gluing, sealing, potting, filling, encapsulating or for bead and line dispensing, our reliable pump technologies provide highly precise results. We have the right solution for your application.

With different material pairings and compositions with stainless steel or plastic housings and stainless steel or ceramic rotors, the pumps of the ViSCO.series® can be optimally adapted to every application.





pump
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The technology.

The pulsation free and low shear volumetric dosing of fluids is the key. This is not only achieved by the functional principle of our progressive cavity pump, but also by the exact interaction of suitable materials of the rotor and stator as well as by the exact adjustment of the flexi-shaft or the cardan joint.

In most cases dosing valves are not necessary, as a short reverse run of the pump leads to a controlled thread tear at the end of the dosing process, so a dripping will be prevented.

The key factors.

Optimal and
easy venting.



Due to modular system,
quick conversion from
1K to 2K version.

Combination of different
displacements in one pump.

Standardised plug connections
for universal connection.



Easy disassembly directly on the machine
using the supplied tool.

Product range.

ViSCO.pump[®]

Single pump for 1K applications

Available in four sizes with anodised aluminium housing, rotor made of stainless steel and stator available in different elastomers. Optionally available with stainless steel housing and FDA approved elastomers and material combinations.

ViSCO.mini[®]

Single pump for 1K applications for smallest dosing quantities.

ViSCO.pump.V[®]

Single pump for 1K applications with integrated pressure control valve for the inlet pressure

Available in four sizes with anodised aluminium housing, rotor made of stainless steel and stator in different elastomers.

ViSCO.mini.V[®]

Single pump for 1K applications for smallest dosing quantities with integrated pressure control valve for the inlet pressure.

ViSCO.feed[®]

Feed, filling or supply pump for 1K applications

Available in three sizes with anodised aluminium housing, rotor made of stainless steel and stator in different elastomers. Optionally available with stainless steel housing.

ViSCO.barrel[®]

Barrel pump for barrel emptying or direct feed pump for 1K applications.

Available in three sizes with anodised aluminium housing, rotor made of stainless steel and stator in different elastomers. Optionally available with stainless steel housing.

ViSCO.pump.2k[®]

Twin pump on mixing block for 2K applications.

ViSCO.mini.2k[®]

Twin pump on mixing block for 2K applications for smallest dosing quantities.

Available in four sizes that can be combined with each other as desired. Aluminium housing and anodised aluminium mixing block. Rotor made of stainless steel and stator in different elastomers. Optionally available with stainless steel housing and FDA approved elastomers and material combinations.

ViSCO.square[®]

Single pump for 1K applications in squared housing design.

ViSCO.mini.square[®]

Single pump for 1K applications for smallest dosing quantities in squared housing design.

Available in four sizes with aluminium and stainless steel housing combined and in individual anodised colour, rotor made of stainless steel and stator available in different elastomers.

ViSCO.tronic[®]

Evaluation and control electronics.

Used for the pump series ViSCO.pump[®] and ViSCO.mini[®] in 1K as well as in 2K versions.

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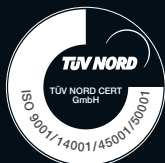
pump up your **efficiency.**



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