



Small-package dispensing unit – KGE

The KGE was developed for the removal of pastes and greases from small, conventional packages. Its unique design avoids air pockets while simultaneously preventing the separation of dispersed mixtures by high pressure, as can happen with conventional systems. The conveying pressure can be adapted to the medium and to the grease dosing valve, and is a maximum of 10 bar.



Advantages

- Prevention of separation
- Avoids air pockets
- Process-reliable
- Refilling of medium generally not necessary
- Customer-specific configuration
- Simple, safe operation
- No material conveying pump required
- No material pressure regulator required

We have the technology for your lubricant

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Application possibilities

A wide variety of media are used in the area of grease dosing: the greases are often very thick or contain fine solid particles such as Teflon. These media are frequently very high-quality, but tend to separate. This separation of the medium occurs over time, and from high temperature or pressure. As a result, particularly for high-performance greases, small packages are preferred.

With the KGE, a dispensing system is available that conveys greases, emulsions, and suspensions to the dosing valve simply and reliably. The KGE needs no conveyor pump or associated material pressure regulator. For packages up to 2.5 kg, the solid apparatus is the right choice for versatile use.

Unique technology

With the KGE, high-viscosity media can also be conveyed at the desired output pressure, directly from the small package to the dosing valve. The adapted bottom plate and a cylindrical pipe that is inserted into the small package form the pressure accumulator. The refined design of the piston system conveys the medium to the dosing valve at low pressure of up to 10 bar. Air pockets are prevented that can influence precision application or lead to errors.

Safe use

Loading of the apparatus is quite simple: The container can be replaced with just a few hand motions. Due to the design, air pockets are also avoided during this process. An optional testing system ensures additional reliability: sensors can detect bubbles in the accumulator.

Customer-specific configuration

The device cylinder is precisely matched to the customer-specific cylindrical container. Regardless of whether it is plastic or metal, the need for filling between containers is entirely eliminated. The KGE can be operated with nearly any low-pressure grease dosing valve. For the precision application of exact quantities of different viscosities, we recommend volumetric dosing valves.

Accessories

- Test system for air pockets
- VDO1 volumetric dosing valve
 - volumetric dosing valve
 - Conveying pressure of 1 to 6 bar
 - Dosing volume: 30 - 250 mm³/stroke
 - process-reliable and precise
 - permits contact-free application „shots“
- Actuation motor for VDO1 volumetric dosing valve



VDO1 volumetric dosing valve

As a leading provider of modern dosing technology, WERUCON® offers its customers an extensive portfolio of products in the areas of belt oiling, grease dosing, and Minimal Quantity Lubrication (MQL). Especially wherever flexibility and nearly environmentally independent, always reproducible oiling is a must, WERUCON® systems are in use.

WERUCON® dosing technology is in use around the world for process-reliable precision dosing in industrial settings. As a technology supplier, WERUCON® stands for flexibility, process reliability, and innovation.

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