



Groeneveld-BEKA GM

Multi-line system for oil and grease



The Groeneveld-BEKA GM is the latest development in multi-line technology and designed for self-install on mobile applications like trucks and trailers, small construction machinery and agricultural machines. Because of the possibility to use oil or grease in the system, light industrial applications can be equipped with the GM as well.

The Groeneveld GM has been designed for easy service and exchange of sealed for life components. Adjusting the system to the lubrication needs, upgrading the system as well as servicing the system is easy due to the modular concept.

The GM comes with 2 version of the top cover, the GMA and the GMA+. The GMA is delivered without a control unit, where the GMA+ has an integrated control unit. The control unit allows the user to set the lubrication interval and check the system status. The top cover also contains the systems' gear motor, available in a 12V or 24V version.

The GM is available with 3 different reservoir sizes; 2, 3 or 5 liters, all equipped with a paddle blade. When in need of a different size of reservoir, the reservoir can be easily be exchanged for one of the other reservoir sizes. Each reservoir has an integrated low level indicator.

The bottom of the pump holds the pumping elements housing, available in 5 different sizes. The housing has room for either 12, 18, 36, 72 or 90 pumping elements. There are 6 different pumping elements with push to fit connectors available with varying outputs. The push to fit connection provides an easy installation of the lubrication lines which go directly to the lubrication point. The maximum output pressure of each pump element is 120 bar.

Applications

- Trucks & Trailers
- Busses
- Small construction machines
- Small agricultural machines
- Light industrial applications

Features and benefits

- + Modularity enables to meet customer specific requirements, from basic to high-end
- + Interchangeable components make it easy to service and adjust
- + OEM quality standards, compliant with IATF & SPICE regulations
- + Suitable for oil SAE 80/90 up to NLGI-2 grease

Operating principle	Electrical piston pump
Outlets	Max. 90
Delivery volume	0.01 up to max. 0.10 cm ³ stroke/outlet
Lubricant	Oil, viscosity range 20 – 800 cSt Grease up to NLGI-2
Operating temperature	-20 up to +70 °C (-4 – 158 °F) with use of Greenlube EP-2
Operating pressure	Max. 120 bar (1740 psi)
Reservoir	2; 3 or 5 l
Power supply	12 VDC; 24 VDC
Protection class	Reservoir: IP 54 Electronics: IP 69K