

BEKAMAX GIGA

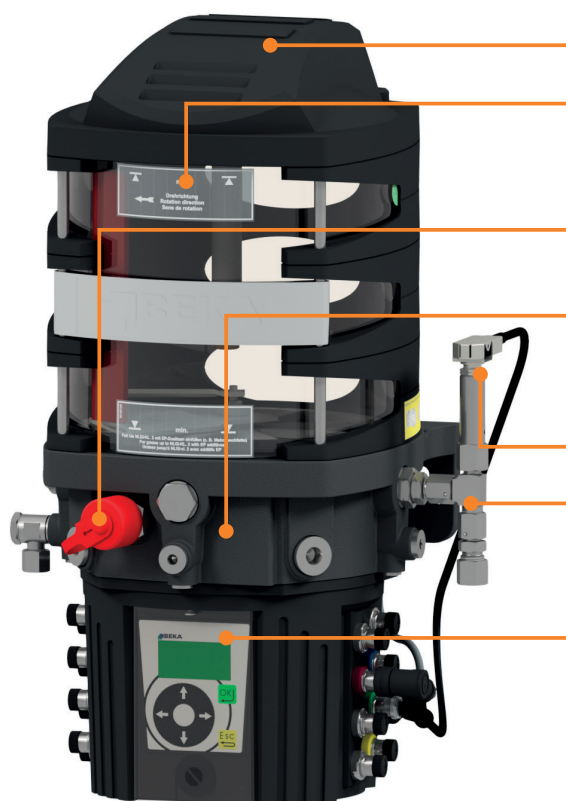
The BEKA GIGA range is like having four pumps in one! It serves the full range of automatic lubrication systems and can be used as a progressive as well as a single line, dual line or sectional system. The progressive system is the most commonly used layout.

The GIGA has three independent outlets for lubricant supply that are tied together by internal channels within the pump housing. Each channel can be used for a different section (with its own pump element) and set to a unique cycle, or they can all be combined to one lubrication circle with a higher delivery rate.

The optional GIGA-multitronic control unit can control and monitor up to four modes of lubrication.

- Suitable for all lubrication systems: single line, dual line, progressive and sectional
- Three lubrication circuits that can be operated independently
- Grease metering regardless of the ambient temperature
- Available in different reservoir sizes; 4, 8 or 16 litre

System overview



Reservoir cover

Reservoir

The GIGA is available with reservoir volumes of 4, 8 and 16 litre. All reservoirs contain a agitator blade which enables a visual check of the lubricant volume in the reservoir.

Filling port

The pump can be filled with a standard filling gun.

Pump housing

The delivery volume of the GIGA can be varied by combining the outlets to one due to the special pump body with integrated channels.

Pressure relief valve

Pump element

The GIGA has up to a maximum of 3 independently operating lubricant outlets. A separate pump element is required for each outlet. Two pump elements with different flow rates are available.

Controller with motor housing

There are 3 different housings available:

- A version without control
- A version with the GIGA-tronic
- A version with the GIGA-multitronic control unit.

Pump elements

Two pump elements with different flow rates are available for the GIGA range. Both elements are available with or without a pressure limiting valve.



PE 120G PLV
0.12 cc/stroke and outlet

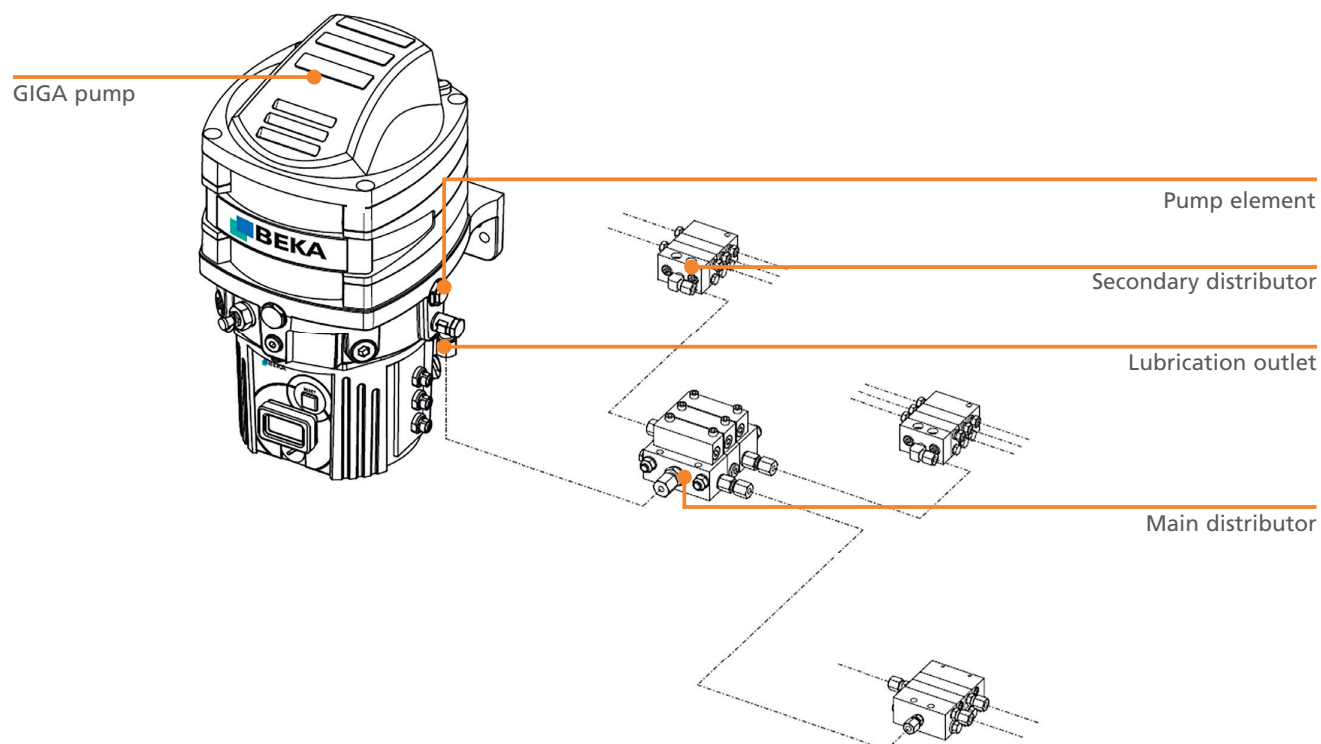


PE 250G PLV
0.25 cc/stroke and outlet

Working principle

A progressive system consists of a lubrication pump and progressive distributors. The pump delivers the lubricant into a main distributor. The main distributor distributes the lubricant in the correct ratio to the secondary distributors which continue to distribute the lubricant to the lubrication points.

By internally connecting the outputs of the GIGA pump unit you can create 1 lubrication cycle with an output of 0.25, 0.50 or 0.75 cc per stroke.



Technical information

Pump type	Electric
Supply voltage	12, 24 V DC or 100-250 V AC
No. of outlets	Max. 3
Output	Depending on pump element
Maximum operating pressure	300 bar (4000 psi)
Pressure limiting valve	Adjusted to max. 280 bar (4000 psi)
Number of revolutions	17 min ⁻¹
Grease class	NLGI-2
Reservoir volume	4, 8 or 16 litre
Temperature range	-30 up to +70 °C (-22 up to 158 °F)
Protection class	IP67

Applications

The GIGA range can be used for a wide variety of applications but is most commonly used for large construction and mining applications like dump trucks, tracked excavators, harvesters, combines and port equipment.



Dump trucks



Tracked excavators



Harvesters



Port Equipment