

PHILLIPS 66[®] AUTOMATIC LUBRICATORS

Precise and easy-to-use lubrication system
Independent of temperature and counter pressure.



KEEPING THE
WORLD
RUNNING
SMOOTHLY.



STAR VARIO THREE DIFFERENT SIZES FOR A BROAD RANGE OF APPLICATIONS.




STAR VARIO operates fully automatic, temperature independent, and very precise. The system consists of an electromechanical drive unit, a lubrication cartridge (LC) with a lubricant volume of 60, 120 or 250 cm³ and a battery pack. The desired discharge period and LC size can easily be selected with the push button and are immediately visible in the display. The current operating status is indicated on the display and with the all-around LED signal lights (red or green), which are visible from a distance.

APPLICATIONS

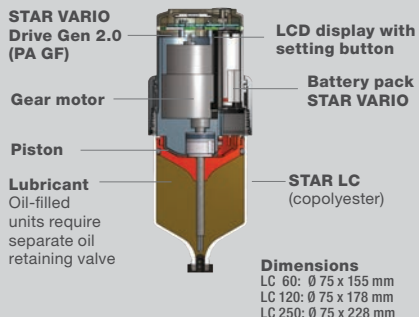

STAR VARIO is used for single-point lubrication of roller and sliding bearings, sliding guides, open gears, gear racks, spindles, shaft seals, and chains. This lubrication system is ideal for applications that require precise lubricant metering. It is a preferred system for electric motors with very specific relubrication amounts. Perma STAR VARIO is protected against dust and water jets when the individual parts are assembled correctly.



PRODUCT CHARACTERISTICS & BENEFITS

CHARACTERISTICS	BENEFITS
 <p>LCD-display with push button shows discharge period, LC size, and operating status. Setting: 1, 2, 3,...12 months and LC size</p>	<ul style="list-style-type: none"> • Simple and self-explanatory operation. • Precise settings, based on manufacturer recommendations, prevent lubricant starvation, and save lubricant. • Settings can be changed at any time. • System can be turned off for extended equipment shutdowns.
 <p>Electromechanical, reusable drive unit with battery pack. All around visible LED lights signal function and errors.</p>	<ul style="list-style-type: none"> • Reliable, precise lubricant discharge independent of temperature and counter pressure. • Short ROI through reduced follow-up costs. • Quick function control from a distance saves time and improved overall workflow.
 <p>Pressure build-up to 6 bar allows remote mounting with tubes up to 5m. Purge function.</p>	<ul style="list-style-type: none"> • Installation at safe and easy-to-access places reduces workplace accidents and saves time. • Reduces equipment downtime since the exchange can be carried out while the machines are running. • Lubrication point can be purged to clear blockages.

TECHNICAL INFORMATION

<p>Drive—reusable Electromechanical Power supply STAR VARIO Battery pack 4.5 V Discharge period 1, 2, 3...up to 12 months Lubricant volume 60 cm³, 120 cm³, and 250 cm³ Operating temperature -10°C to +60°C Pressure build-up 6 bar Protection class IP 65 Standard & special lubricants Oil/Grease up to NLGI2</p>	 <p>STAR VARIO Drive Gen 2.0 (PA GF)</p> <p>Dimensions LC 60: 0 75 x 155 mm LC 120: 0 75 x 178 mm LC 250: 0 75 x 228 mm</p>	 <p>Protection cap (STAR protection cap for extreme conditions)</p> <p>STAR VARIO Drive unit reusable</p> <p>Battery pack STAR VARIO</p> <p>STAR LC 60, 120 or 250</p> <p>Support flange STAR Gen. 2.0 (PA GF)</p>
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For more information, call our Technical Hotline at **877.445.9198** | **PHILLIPS66LUBRICANTS.COM**