

# LUBRICUS



## Lubricus - the adaptive and compact lubrication system

Lubricus offers a new portal to the world of automatic lubrication. With the highly versatile Lubricus lubrication system, both single lubrication points and a whole group of varied points can be provided with lubricant continuously over a long period of time.

### Flexible lubrication

Lubricus is an extremely compact lubrication unit for oils and greases up to NLGI class 2. The lubrication system works either autonomously with a battery back or using an external voltage supply (24 VDC). The lubricant cartridge – optionally with 250 or 400 ml content – is simply screwed to the drive unit.

Lubricus is suitable for the simple and reliable supply of lubrication to bearings, linear guides, chains and open tooth systems, for which special lubricating pinions and lubricating gearwheels are available.

Due to the compact dimensions, Lubricus is optimally suited for upgrades or retrofitting. The large variety of models enable an individually optimized lubrication solution for almost every application.

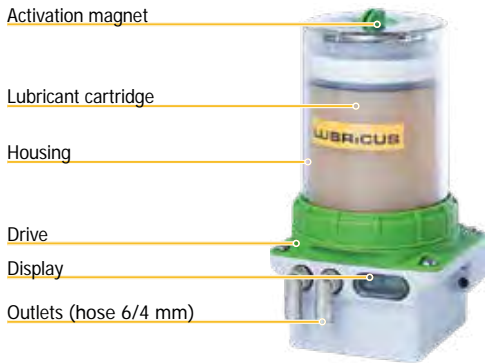
### Benefit from the Lubricus advantages

- Delivery pressure up to 70 bar (1015 psi)
- Connection to machinery controls possible
- Distribution period 1–36 months or pause time
- Optical warning in the case of malfunction (LED)
- Operating temperature -15 °C to +70 °C
- Fault/empty reporting
- Temperature-independent feed rate
- Oils and greases up to NLGI cl. 2
- Special fillings available



**Design**

**Technical data**



Model	Lubricus 250 ml	Lubricus 400 ml
Drive	electromechanical (reusable)	
Operating pressure	max. 70 bar (1015 psi)	
Distribution period	1 - 36 months / pause time	
Lubricant volume	250 ml	400 ml
Lubricating medium	oils and greases up to NLGI 2	
Operating temperature	-15 °C to +70 °C	
Working voltage	Li battery or 24 VDC	
Weight empty	~ 1050 - 1500 g	
Dimensions (WxHxD)	112 x 165 x 94 mm	112 x 196 x 94 mm
Performance monitoring	depending on device	
Distributor possible	✓	

**High flexibility through a wide range of models**

Dependent upon the version, Lubricus comes with up to four outlets and is thus optimally suitable with multiple lubrication.



	Lubricus B	Lubricus B-EB	Lubricus V	Lubricus D
<b>Number of outlets</b>	1, 2	1, 2	1, 2	1, 2, 3, 4
<b>Performance monitoring</b>	LCD display & LED	LCD display & LED	OLED display	via PLC
<b>Working voltage</b>	battery	battery (external compartment)	24 V	24 V
<b>Distribution period</b>	1-36 months or pause time	1-36 months or pause time	1-36 months or pause time (intermittent operation possible)	pause time (individually adjustable)
<b>Control</b>	time mode	time mode	time mode pulse control	pulse control
<b>Operation</b>	directly at the device	directly at the device	directly at the device/ control using PLC	control using PLC



## Lubricus B - independent thanks to battery power



The battery-operated variant of the Lubricus lubrication system is always used when an autarkic operation is desired or necessary. The highly-efficient battery pack can optionally be set to empty the lubricant cartridge over a period of 1–36 months (or pause time).

- 1 or 2 outlets
- Lubricant volume 250 or 400 ml
- Supply pressure 70 bar (1015 psi)
- LCD display with LED
- "Quick-Check" (back-pressure readings)
- 1 to 36 months / pause time



## Lubricus B-EB - external battery



Lubricus B-EB is an enhanced version of Lubricus B. In addition to the already proven features, the lubrication system now comes with an external battery compartment. As a result, it is not only suitable for direct filling with oil but also extremely flexible and export friendly. There is no need for time-consuming and expensive battery shipments.

- all Lubricus B features
- external battery compartment
- OIL version: can be filled with your own oil cleanly and easily
- export friendly



## Lubricus V - take a break



The 24 V variant of the Lubricus lubrication system is always the right choice when an external power supply can be attached simply. LUB-V's strengths become particularly apparent during discontinuous operation.

- 1 or 2 outlets, 70 bar
- Lubricant volume 250 or 400 ml
- Supply pressure 70 bar (1015 psi)
- OLED display
- "Quick-Check" (back-pressure readings)
- Error readouts possible
- 1 to 36 months / pause time / pulse control
- OIL-Variante: eigene Befüllung mit Öl sauber und problemlos möglich



## Lubricus D - pulse control



Lubricus D is designed for external control and 24 VDC voltage supply. The feed pump in Lubricus D feeds the lubricant to the outlets in accordance with the control of the pump openings using PLC.

- 1, 2, 3 or 4 outlets
- Lubricant volume 250 or 400 ml
- Supply pressure 70 bar (1015 psi)
- Flexible, individual volume assignment
- Feedback to the connected unit
- Exact control and lubricant dosing
- OIL-Variante: eigene Befüllung mit Öl sauber und problemlos möglich



## PLC-controlled progressive distributor

Progressive distributors distribute the supplied lubricant to the various outlets. In addition to the use of classic and monitored progressive distributors (see page 28), a special progressive distributor, **which is controlled via the PLC**, can also be used.

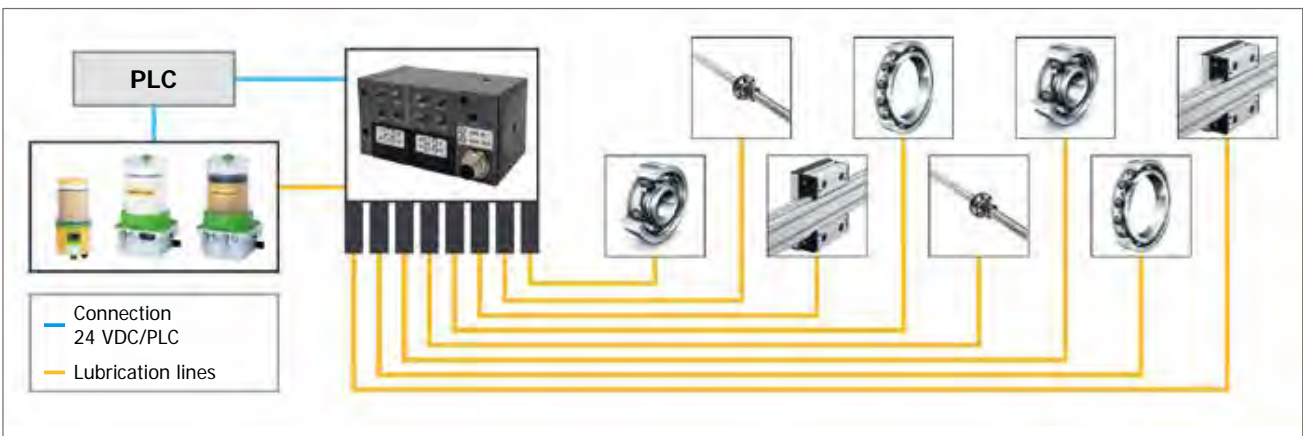
The PRV-PLC is therefore an electronically and mechanically controlled distributor for grease and oil.

The individual outlets can be mechanically opened and closed independently of one another. This allows the user to program **individual lubrication quantities for each outlet** or to decide not to supply individual outlets. This unique dosing approach is particularly recommended for applications with highly varying lubrication requirements.



Built-in check valves prevent the distributor from being affected by the lubrication points' varying counter pressures and ensure the PRV-PLC's excellent reliability.

### Application example for a PRV-PLC with 8 outlets



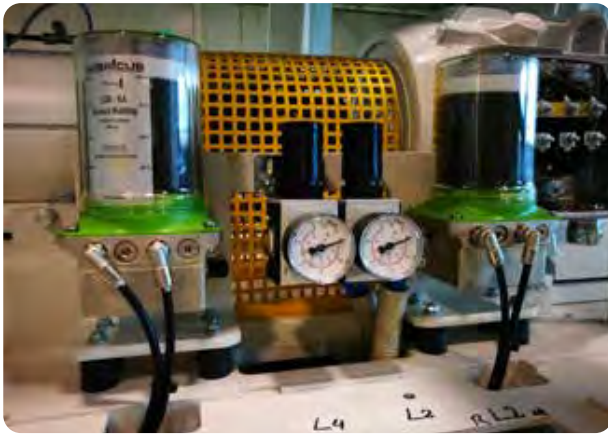


## Applications

Food industry



**Mechanical engineering**



**Other branches**



Printing press



Automotive



Steel treatment



Agricultural engineering



Paper conversion