

LUBRICUS

The powerful and flexible lubrication system



GRUETZNER
AUTOMATIC LUBRICATION

Lubricus lubrication system - innovative, flexible, adaptable

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.

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

Lubrication of
bearings • chains • open tooth systems • linear guides

Design & technical data



Technical data

Model	Lubricus 250 ml	Lubricus 400 ml
Drive	Electromechanical	
Operating pressure	Max. 70 bar (1015 psi)	
Lubricating intervals	1 – 36 months / pause time	
Lubricant volume	250 ml	400 ml
Lubricating medium	Oils and greases up to NLGI 2	
Operating temp.	-15 °C to +70 °C	
Operational voltage	Li battery or 24 VDC	
Weight without lubricant	1061 - 1524 g	
Weight with lubricant	ca. 1294 - 1730 g	ca. 1461 - 1897 g
Dimensions (WxHxD)	112x165x94 mm	112x196x94 mm
Performance monitoring	Green/red LED	
Outlet	hose 6/4 mm	

- Running time 1–36 months or pause time
- Optical warning in the case of malfunction (LED)
- Fault/empty reporting
- Temperature-independent feed rate
- Special fillings available



LUBRICUS B

Independent thanks to battery power

The battery-operated variant of the Lubricus lubrication system is always used when an autarchic 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, 70 bar (1015 psi) supply pressure
- LCD display with LED
- Quick-check (back-pressure readings)
- 1 to 36 months / pause time

Art.no. **LUB-B-1 • LUB-B-2**

Quick Check

During operation Lubricus measures the back-pressure at the lubricating point. The result is output to the display in just a few seconds - simple and without any additional effort.



250 ml
version
available



LUBRICUS V

Take a break

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

- 1 or 2 outlets, 70 bar (1015 psi) supply pressure
- LCD display with LED
- Quick-check (back-pressure readings)
- Error readouts possible
- 1 to 36 months / pause time / pulse control

Art.no. **LUB-V-1 • LUB-V-2**



250 ml
version
available



LUBRICUS D

Pulse control

Lubricus D is particularly suited for units in which lubrication must be synchronised with the operating period of the machine, or where specific lubrication cycles at prescribed intervals are needed. The feed pump in the Lubricus D provides lubricant to the outlets via PLC according to the activation of pump outputs. In this way a highly precise dose amount of lubricant can be obtained. The user has the highest possible degree of control over the frequency of lubrication and the size of the lubricant dose.

- 1, 2, 3 or 4 outlets, 70 bar (1015 psi) supply pressure
- Flexible, individual volume assignment
- Feedback to the connected unit
- Exact control and lubricant dosing

Art.no. **LUB-D-1 • LUB-D-2 •
LUB-D-3 • LUB-D-4 • LUB-D-1-1**

24 VDC



PLC



MONITORING



250 ml
version
available



LUBRICUS C

Outsourced monitoring

The Lubricus controller is used for external monitoring of the Lubricus, to which up to four Lubricus lubrication systems (4 outlets each = 16) can be connected. The connected Lubricus lubricating devices can be individually controlled and monitored using the Lubricus Controller. The dialogue takes place via a simple to operate LCD display.

- Lubricating units are attached close to the actual lubricating points
- Central monitoring is possible (e.g. PLC)
- Individual supply volumes possible
- Monitoring of up to 16 lubrication points

Art.no. **LUB-C-1 • LUB-C-2 •
LUB-C-3 • LUB-C-4 • LUB-C-1-1**

24 VDC



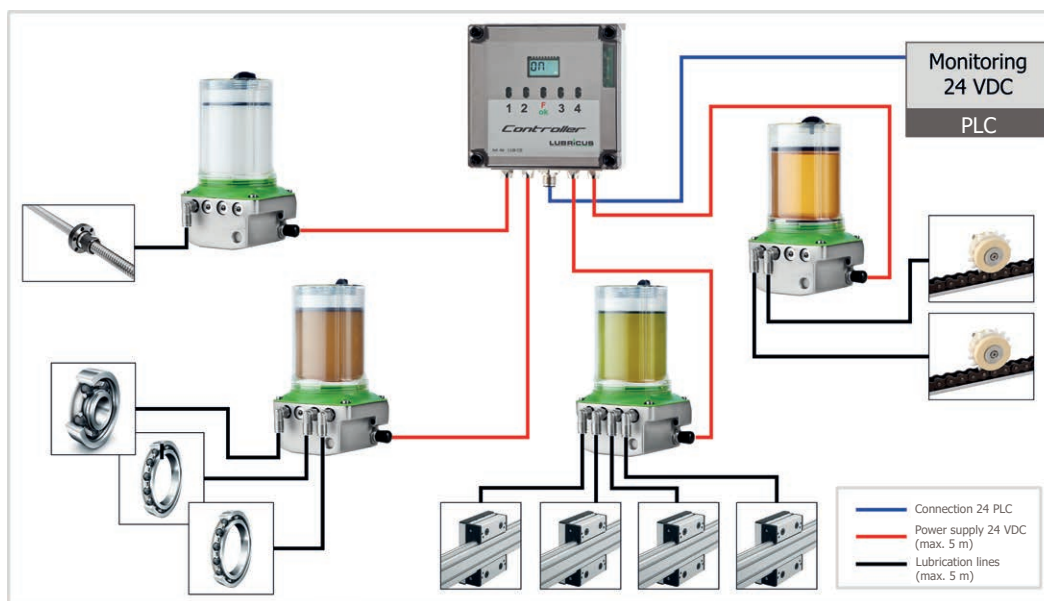
DISPLAY & LED



MONITORING



LUBRICUS C Controller



The Lubricus Controller monitors and controls four Lubricus lubricating devices, which in turn supply a varying number of lubricating points. The paths that the lubricant has to travel along the lines can be kept simple and short; nevertheless central monitoring takes place via the Lubricus Controller. Installation and maintenance requirements are sustainably reduced.

Art.no.	Designation	Application	Working voltage	Operating temperature	Connection for power supply	Output to Lubricus
LUB-CE	Lubricus Controller	System monitoring	24 VDC	-15°/+80°	M12 x 1	M8 x 1

LUBRICUS applications



LUBRICUS S



Monitored lubrication of minimum volume

Lubricus S can be used as single point lubricator or (by means of splitters or progressive distributors) as multipoint lubricator. Due to its extremely compact pump unit and its low weight it especially suits applications with lacking space.

Two types of Lubricus S are available: **LUB-S-B** runs with a 4.5 V battery and operates at 15 or 35 bar (218 or 508 psi). **LUB-S-V** uses 24 VDC and can be connected to PLC optionally. Its higher delivery pressure of up to 50 bar (725 psi) enables even more possible applications. Besides a 125 ml cartridge a 250 ml cartridge can be screwed on.

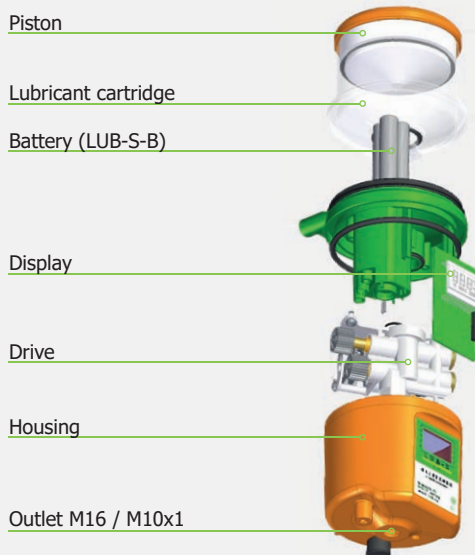
The built-in display allows you to keep track of all functions anytime.

- Compact dimensions
- Switchable delivery pressure
- Easy to operate
- Fault/empty reporting
- Suitable for splitters / progressive distributors (LUB-S-V)

Art.no. **LUB-S-B • LUB-S-V**



Design & technical data



Model	LUB-S-B	LUB-S-V
Drive	electromechanical	
Operating pressure	15 / 35 bar (218 / 508 psi) (switchable)	15 / 50 bar (218 / 725 psi) (switchable)
Lubricating intervals	1-24 months time mode	1-24 months time mode or pulse control
Lubricant volume	125 ml	125 or 250 ml
Lubricating medium	oils and greases up to NLGI cl. 2	
Operating temperature	Al battery: +15 °C to +60 °C Li battery: -15 °C to +60 °C	-15 °C to +60 °C
Working voltage	4.5 V	24 VDC
Weight	~ 360 g (without cartridge)	
Dimensions (height x Ø)	152 x 83 mm	
Performance monitoring	display & LED	
Outlet	M16 / M10x1	
Splitter possible	-	✓

LUBRICUS M



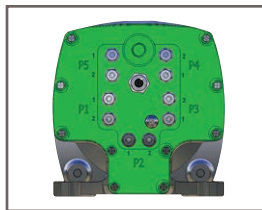
Flexible lubrication

Depending on the model, the Lubricus M lubrication system has either 2, 4, 6, 8 or 10 outlets and is designed for a 24 VDC power supply. The lubricant reservoir for grease (1500 cm³) is in a disposable bellows. Supply pressure is <70 bar (1015 psi). External control is possible via PLC.

Lubricus M can work either in **time mode** or in **pulse mode** (PLC).

In time mode, the internal controls monitor both the amount of lubricant and the time intervals between lubrications.

In pulse mode, the desired lubrication intervals are performed by programming the PLC. Regardless of the selected mode, each pump body can be controlled separately.



- Time control OR pulse control
- System monitoring & feedback function
- Separate control of each pump body
- Error/empty message shown on display
- Supplies oil and grease up to NLGI class 2

Art.no. **LUB-M-2 • LUB-M-4 • LUB-M-6 • LUB-M-8 • LUB-M-10**



Design & technical data

Actuation magnet

Lubricant cartridge/
container for oil

Housing

Drive

Display

LED pump body

Outlets



Model	Lubricus M
Drive	electromechanical
Operating pressure	max. 70 bar (1015 psi)
Lubricating intervals	time control or pulse control
Lubricant volume	grease (1500 cm ³) or oil (2000 ml)
Lubricating medium	oils and greases up to NLGI cl. 2
Operating temperature	-20 °C to +70 °C
Working voltage	24 VDC
Weight empty	~ 4000 g
Connection	hose 6/4 mm
Dimensions (WxHxD)	162 x 255 x 165 mm
Performance monitoring	green/red LED



GRUETZNER

AUTOMATIC LUBRICATION



Gruetzner GmbH is your specialist for automatic lubrication systems since 1993. Our user-friendly lubrication solutions are used in almost all areas of maintenance in every industry across the globe.

As an international established, family-owned enterprise flexibility and outstanding service are our core competencies. An individual, custom-built lubrication concept which is adjusted to your machines and constructions will gladly be developed by our experts.

We additionally take on responsibility for the environment with our modern lubrication solutions. By reducing lubricant and energy consumption as well as extending the service life of wear parts we achieve a significant reduction in CO₂ emissions in factories and plants all over the world.

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