



GRUETZNER
AUTOMATIC LUBRICATION



PRODUCT CATALOGUE

modern lubrication technology



LUB5



LUBRICUS

LUBRICUS M



SOLOLUBE





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AUTOMATIC LUBRICATION

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Gruetzner GmbH

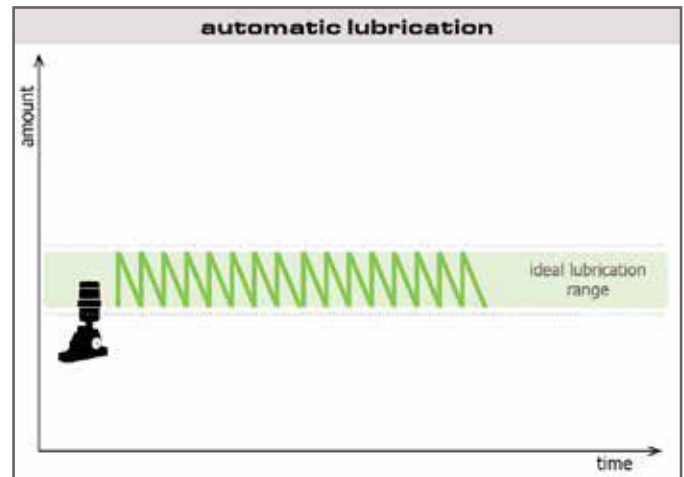
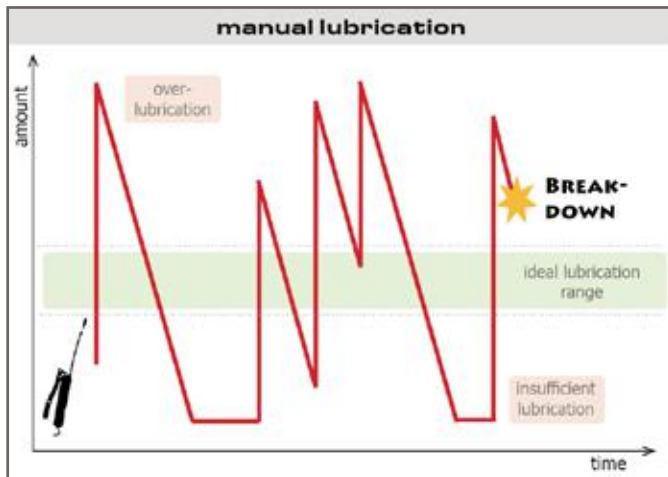
Gruetzner GmbH has established itself as a specialist for automatic lubrication systems since 1993. As a family-owned and family-managed company, we focus upon the solution capabilities of our technical experience with regard to single-point and multi-point lubrication systems for customers and markets.

Our flexible and user-friendly lubrication solutions are used in almost all areas of maintenance in every industry across the globe. In addition to improving productivity and extending operating time, the use of lubrication systems also improves work safety.

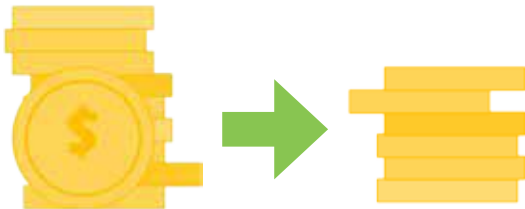


Advantages of automatic lubrication with lubricators

Lubricators replace costly manual lubrication. This not only saves time, but also prevents insufficient or over-lubrication. The costs can thus be reduced by up to 30 percent.



Continuous lubricant delivery with automatic lubricators effectively prevents insufficient or over-lubrication that often occurs with manual lubrication.



Lower costs thanks to lubricators

Higher cost-efficiency:

- Time-saving and greater safety at work thanks to fewer maintenance intervals
- Longer machine service life and less unplanned down-time

Benefits of automatic lubrication



No more manual lubrication

- Saves time
- Greater work safety
- Hard-to-reach lubrication points are permanently supplied
- Lower lubricant consumption



No under- or over-lubrication of components

- Less wear
- Less machine downtime
- Increased machine performance
- Reducing energy costs



Sealed, dustproof and waterproof system

- No more confusion of lubricants
- Reduced risk of contamination
- No contamination of lubrication points

SOLOLUBE



Sololube – precise electromechanical single-point lubrication

Sololube is a reliable, easy-to-operate lubricant dispenser with an electromechanical drive. Its precise delivery system makes Sololube equally suitable for the automatic lubrication of roller and friction bearings, gear racks, open transmissions or chains.

Sololube – safe automatic lubrication

Sololube has a robust, very precise drive motor, supplied with voltage by a high-capacity 6 V Li battery or a 24 V power supply. The lubricant cartridge – optionally with 150 ml or 250 ml content – is simply screwed to the drive unit.

With a delivery pressure of 7.5 bar, the Sololube works automatically, independent of temperature, for up to a year. The dispensing period can be freely selected between 1 and 12 months (by altering the amount of lubricant dispensed). Changing the setting or switching the device off is of course possible at any time.

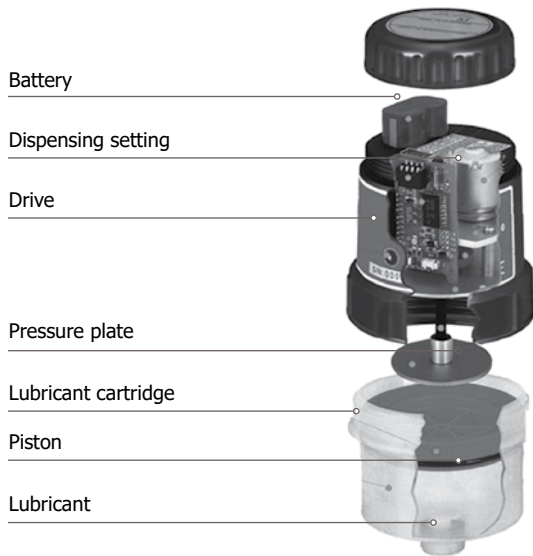
The performance of the Sololube is monitored with a clearly visible LED. The filling level of the lubricant cartridge is, moreover, clearly visible at all times through the transparent housing.



Sololube – your benefits

- Precise, reliable delivery of lubricant
- Delivery pressure 7.5 bar
- Dispensing period 1–12 months
- Visual warning of malfunction (LED)
- Operating temperature -20 °C to +60 °C
- Can be used outdoors
- Independent of temperature
- Special fillings available
- Hose up to 2.5 m long
- Visual check possible at all times
- Easy to operate



Components
Specifications


Model	Sololube Basic	Sololube Xtra150	Sololube Xtra250
Drive	Electromechanical (reusable)		
Operating pressure	Max. 7.5 bar		
Setting	1–12 months		
Lubricant volume	150 ml	150 ml	250 ml
Lubricating medium	Greases and oils up to NLGI 2		
Temperature range	-20 °C to +60 °C		
Operational voltage	6.0 V (Li battery) or 24 V power supply		
Weight without lubricant	with battery: ~ 542 g with adapter: ~ 563 g		~ 700 g
Weight with lubricant	with battery: ~ 692 g with adapter: ~ 714 g		~ 925 g
Dimensions H x Ø	16.6 cm x 8.9 cm		19.6 cm x 10.25 cm
Performance monitoring	Red LED	Green/red LED	

Sololube - solid and flexible

Sololube is available in three models: the **Basic** and **Xtra150** models use the 150 ml cartridge, while the larger **Xtra250** (cartridge 250 ml) should be deployed when more lubricant is required. All models include a reusable electromechanical drive unit.


Sololube BASIC

- Lubricant cartridge 150 ml
- 6 V Li battery or 24 V power supply
- Red LED for monitoring performance


Sololube Xtra150

- Lubricant cartridge 150 ml
- 6 V Li battery or 24 V power supply
- Green & red LED for monitoring performance


Sololube Xtra250

- Lubricant cartridge 150 ml
- 6 V Li battery
- Green & red LED for monitoring performance





LUB5



LUB5 – Electromechanical Lubricator

The LUB5 is an electromechanical lubricant dispenser designed to supply single lubrication points with oil or grease. The lubricant dispenser is intended for stand-alone operation as the energy supply is provided by an integrated battery pack. The LUB5 is designed for a variety of applications for single point lubrication.

LUB5 – self-filling

The lubricant is stored in a refillable 120 ml or 250 ml reservoir. Maximum supply pressure is 10 bar. The LUB5 can be (re)filled quickly and easily at any time using a grease gun.

The battery pack has a total capacity of four years or five refills (depending on which occurs first). The dispensing period of the LUB5 can be set to 1, 3, 6, 12 or 24 months.

LUB5 – your benefits

- 3 versions available
- Electromechanical drive
- Delivery pressure 10 bar
- Up to 24 months per filling
- Refillable up to 5 times without any follow-up costs
(total 720 ml or a maximum of 48 months)
- Self-filling possible
- Oil or grease up to NLGI cl. 2
- No additional tools required for operation
- -20 °C to +60 °C operating temperature
(with suitable lubricant)



Components

Specifications



Model	LUB5-120	LUB5-120 PLUS	LUB5-250
Drive	Electromechanical		
Operating pressure	Max. 10 bar		
Setting	1/3/6/12/24 months		
Volume	120 ml	120 ml	250 ml
No. of discharges	max. 6 (=720 ml)*	max. 6 (=720 ml)*	max. 6 (=1500 ml)*
Lubricating medium	Greases and oils up to NLGI 2		
Temperature range	-20 °C to +60 °C		
Operational voltage	3.0 V (Li battery)		
Battery capacity	Standard	Triple**	Standard
Weight without lubricant	~ 314 g	~ 490 g	~ 558 g
Weight with lubricant	~ 420 g	~ 596 g	~ 774 g
Dimensions H x Ø	127 x 70mm	182 x 70mm	243 x 70mm
Performance monitoring	Green/red LED		

* 6 discharges or an operational period of 48 months (whichever comes soonest)

** suited for high counterpressure and low temperatures

LUB5 – Lubrication up to 24 months



The running time per filling is adjusted directly on the device. The remaining filling cycles are shown by LEDs.

Possible malfunctions are also shown via LEDs. When using the suitable lubricant, the LUB5 can be emptied 6 times or used for an operating period of 48 months maximum.

Refilling of the dispenser does not have to wait until the lubricant is completely empty; the dispenser can also be refilled seamlessly during normal operation.



Easy filling

LUB5 can be filled easily and quickly by using a grease gun

UP TO
24
MONTHS

LED
.....
DISPLAY

OPERATING
PRESSURE
10
BAR

MOUNTING
↻
IN ANY
POSITION

MAX
48
MONTH
LIFETIME

MICRO
CONTROLLER
⊕

REFILL
↻
5x

BATTERY
POWERED
⚡

LUBRICUS



Lubricus – 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.

Lubricus – the adaptive and compact lubrication system

The Lubricus lubrication system 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 (24VDC).

The 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, the Lubricus is optimally suited for upgrades or retrofitting.

Lubricus – your benefits

- Delivery pressure up to 70 bar (1015 psi)
- Connection to machinery controls possible
- Running time 1–36 months
- Optical warning in the case of malfunction (LED)
- Operating temperature range -20 °C to +70 °C
- Fault/empty reporting
- Temperature-independent feed rate
- Oil or grease up to NLGI cl. 2
- Special fillings available



Components
Specifications

Actuation magnet

Lubricant cartridge

Housing

Drive

Display

Outlets



Model	Lubricus
Drive	Electromechanical
Operating pressure	Max. 70 bar
Setting	1–36 months
Lubricant volume	400 ml
Lubricating medium	Greases and oils up to NLGI 2
Temperature range	-20 °C to +70 °C
Operational voltage	3.0 V (Li battery) or 24 VDC
Weight without lubricant	~ 1120 g
Weight with lubricant	~ 1620 g
Dimensions	112 x 196 x 94 mm
Performance monitoring	Green/red LED

Lubricus – flexible lubrication due to our model variety

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



	LUBRICUS B	LUBRICUS V	LUBRICUS C	LUBRICUS D
Number of outlets	1, 2	1, 2	1, 2, 3, 4	1, 2, 3, 4
Display on the device	Yes	Yes	No	No
Operational voltage	Battery	24 V	24 V	24 V
Running time	1–36 months	1–36 months (Intermittent operation possible)	Individually adjustable	Individually adjustable
Time/pulse control	Time mode	Time mode	Time mode	Pulse control
Temperature range	-20 °C / +70 °C	-20 °C / +70 °C	-20 °C / +80 °C	-20 °C / +70 °C
Volume	400 ml	400 ml	400 ml	400 ml
Operation/dialogue	Directly on device	Directly on device	Lubricus Controller required	External control / PLC

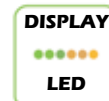


Lubricus B – independent thanks to battery power



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.

- 1 or 2 outlets, 70 bar supply pressure
- LCD display with LED
- Quick-check (back-pressure readings)

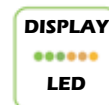


Lubricus V – take a break



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

- 1 or 2 outlets, 70 bar supply pressure
- LCD display with LED
- Quick-check (back-pressure readings)
- Error readouts possible



Lubricus D – pulse control



Lubricus Type D is designed for external control and 24 VDC voltage supply. Depending on the model, the Lubricus lubrication system Type D has 1, 2, 3 or 4 outlets. Connection to the PLC is required.

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



Lubricus C – outsourced monitoring

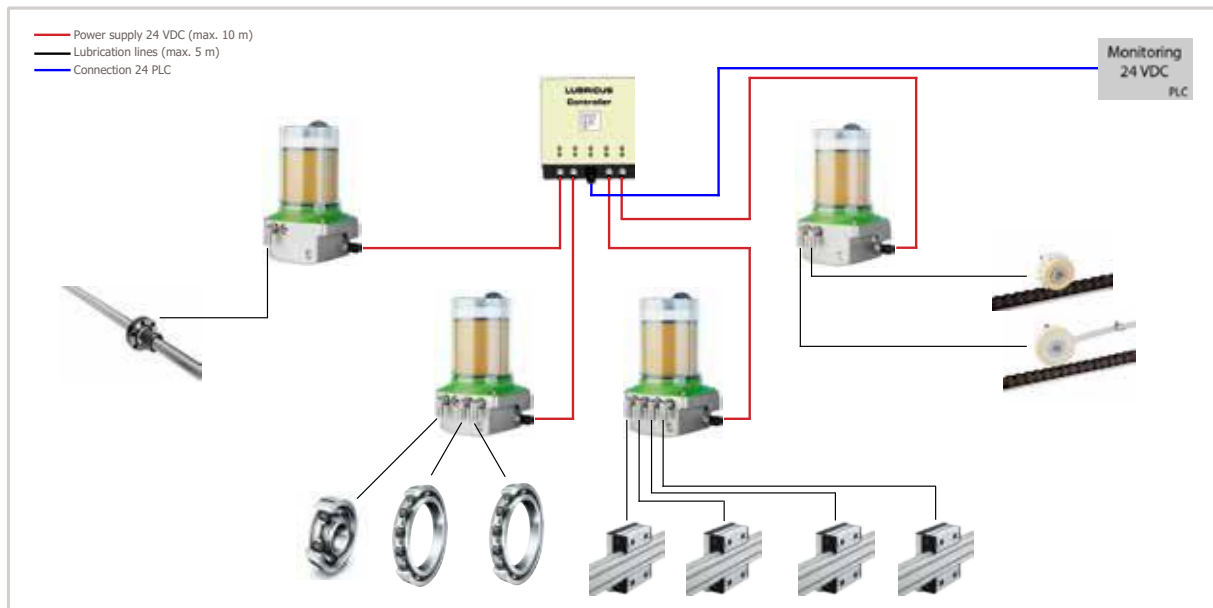


The Lubricus controller is used for external monitoring of the Lubricus, to which up to four Lubricus lubrication systems (4 outlets each = 16) can be connected. The connected Lubricus lubricating devices can be individually controlled and monitored using the Lubricus Controller. The dialogue takes place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

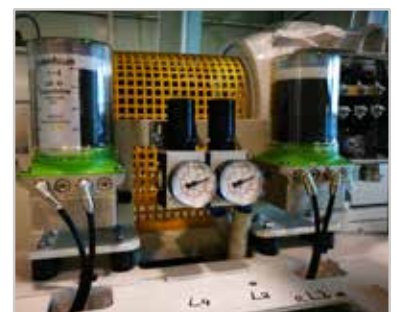
- Lubricating units are attached close to the actual lubricating points
- Central monitoring is possible (e.g. PLC)
- Individual supply volumes possible
- Monitoring of up to 16 lubrication points



Lubricus C – installation example



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.



LUBRICUS M



Lubricus M – automatic lubrication of up to 10 lube points

Depending on the model (LUB-M2/LUB-M4/LUB-M6/LUB-M8/LUB-M10), 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. External control is possible via PLC.

Lubricus – flexible lubrication

The Lubricus M lubrication system is optionally equipped with up to five pump bodies (P1, P2, P3, P4, P5). The double piston pump bodies each have two outlets, are operated alternately and provide the same quantities of lubricant. 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



Components

- Actuation magnet
- Lubricant cartridge/
container for oil
- Housing
- Drive
- Display
- LED pump body
- Outlets



Specifications

Model	Lubricus M
Drive	Electromechanical
Operating pressure	Max. 70 bar
Setting	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
Temperature range	-20 °C to +70 °C
Operational voltage	24 VDC
Weight without lubricant	~ 4000 g
Connection:	Hose 6/4 mm
Dimensions H x Ø	BxHxT 162 x 255 x 165 mm
Performance monitoring	Green/red LED