

Automatic lubricators



LUBRICANTS.
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PEOPLE.



LUBRITECH
Special Application Lubricants

CASSIDA

Automatic lubricators

CASSIDA automatic lubricators are devices that can be programmed to automatically deliver lubricant (food-grade grease or oil). In most cases, the equipment can continue to run while the lubricant is being applied, which reduces downtime.

Automatic lubricators optimize lubricant consumption, resulting in economic and long-term maintenance savings. They also eliminate the costly and sometimes hazardous task of manually applying precise amounts of lubricant to numerous sites on the equipment at regular time intervals while it is running.

Hygienic design guidelines are also improved by using automatic lubricators, as they provide a means of achieving clean lubrication, preventing any leaks and spills that may contaminate production. Automated lubrication provides constant protection against contamination through the lubrication points by preventing the ingress of water, dirt and dust, thereby extending the service life of the equipment.

In short, automatic lubricators simplify equipment lubrication and provide a level of consistency that results in many important benefits, including:

- Reduced maintenance costs
- Increased labour efficiency and labour cost savings
- Increased safety for personnel in maintenance tasks
- Reduced equipment downtime
- Longer equipment service life
- Guaranteed optimum and consistent lubrication
- Increased reliability by eliminating human error in manual lubrication
- Improved hygienic design and food safety by minimising residual lubricant

To achieve all these benefits, FUCHS offers its customers the full range of CASSIDA food-grade lubricants supplied in STAR VARIO and FLEX automatic lubricators.

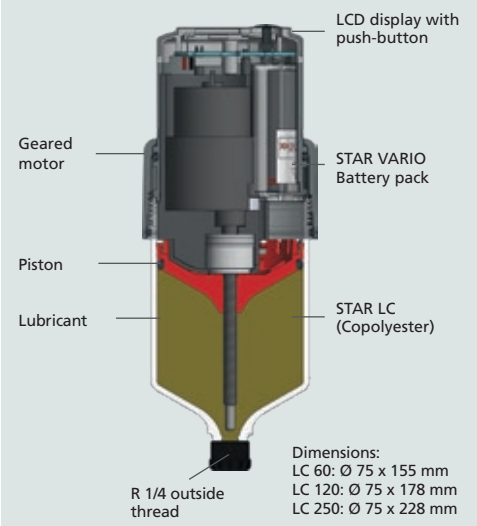

CASSIDA STAR VARIO

CASSIDA STAR VARIO operates fully automatically with a high-precision discharge, regardless of temperature or back pressure. The system consists of an electromechanical drive, a lubricant cartridge (LC) with a capacity of 60 cm³, 120 cm³ or 250 cm³ and a battery pack.




The desired discharge time and LC size are easily selected using the push button and are instantly shown on the LCD display. The current operating status is shown by a LED light (green/red), which is always visible even from a distance, as well as on the LCD display.



Technical data

<p>Drive - reusable</p> <p>Electromechanical with STAR VARIO battery pack</p> <p>Discharge time 1, 2, 3... 12 Months</p> <p>Lubricant capacity 60 cm³, 120 cm³ or 250 cm³</p> <p>Application temperature -20 °C to +60 °C</p> <p>Operating pressure 6 bar</p> <p>Protection class IP 65</p> <p>Lubricant up to NLGI 2 / oil Grease up to NLGI 2 / oil</p>		
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Product features and benefits

	<p>Push-button LCD display shows discharge time, LC size and operating status</p> <p>Setting: 1, 2, 3... 12 months and LC size</p>	<ul style="list-style-type: none"> • Easy and user-friendly operation • Precise setting to suit requirements, preventing under- or over-lubrication • Settings can be changed at any time • Can be switched off in the event of an extended system shutdown
	<p>Reusable electromechanical drive with battery pack</p> <p>Always visible LED light (green/red) shows operating and fault status</p>	<ul style="list-style-type: none"> • Reliable and precise lubrication, regardless of temperature and back pressure • One-time purchase cost for STAR VARIO Drive • The LED light provides a quick operating status check, saving time and making maintenance easier
	<p>The 6-bar operating pressure enables installation at a distance of up to 5 m</p> <p>Additional manual discharge at the push of a button (purge)</p>	<ul style="list-style-type: none"> • Installation outside hazard areas or in easily accessible areas increases safety at work • Increased system availability, as changing the LC can be carried out smoothly while the machines are running • If necessary, the lubrication point can be purged to clear blockages

The various lubricator accessories can be ordered separately according to your needs.

STAR VARIO accessories



STAR VARIO DRIVE

Description: Geared motor.
5-year service life

Items included:
STAR VARIO DRIVE (motor)

Sales format: Unit

Minimum order: 10 units



STAR SUPPORT FLANGE

Description: Lubricator support for the first installation. 5-year service life

Items included: Support flange

Sales format: Unit

Minimum order: 10 units



STAR VARIO BATTERY

Description: Battery pack for system power supply. To be changed with each lubricant cartridge (LC) replacement

Items included: CASIDA STAR VARIO Batteries

Sales format: Pack of 3 batteries

Minimum order: 25 packs

CASSIDA Cartridges



CASSIDA STAR LC 60

Description: 60 cm³ replacement Lubricant Cartridge (LC)

Items included: STAR LC 60

Sales format: Box of 10 units

Minimum order: 300 units (30 boxes)



CASSIDA STAR LC 120

Description: 120 cm³ replacement Lubricant Cartridge (LC)

Items included: STAR LC 120

Sales format: Box of 10 units

Minimum order: 150 units (15 boxes)



CASSIDA STAR LC 250

Description: 250 cm³ replacement Lubricant Cartridge (LC)

Items included: STAR LC 250

Sales format: Box of 10 units

Minimum order: 70 units (7 boxes)

CASSIDA FLEX

CASSIDA FLEX is a compact, ready-to-use lubrication system supplied as a complete unit. It can be used in a wide range of applications at temperatures between -20 °C and +60 °C. The discharge time is freely selectable between 1 and 12 months.

The required pressure is produced by means of an electronically controlled chemical reaction. Fresh lubricant is continuously supplied to the lubrication point during the selected discharge time. CASSIDA FLEX is available in 60 cm³ and 125 cm³ sizes.



Technical Information

Operation

**Electrochemical reaction.
Gas production.**

Discharge time at +20 °C /
Perma multi-purpose grease SF01
1, 2, 3... 12 Months

Lubricant capacity
60 cm³ or 125 cm³

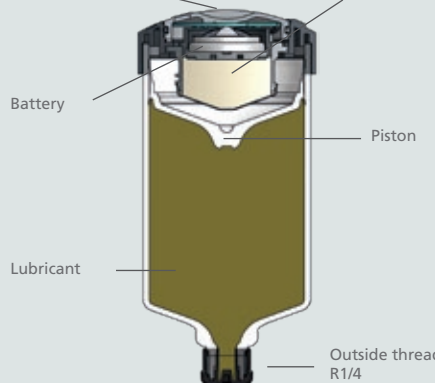
Application temperature
-20 °C to +60 °C

Operating pressure
Max. 5 bar

Protection class
IP 68

Special and standard lubricants
Grease up to NLGI 2 / oil

Rotary timer Gas producing unit



Dimensions:
FLEX 60: Ø 58 x 86,5 mm
FLEX 125: Ø 58 x 117 mm

Discharge time setting in months:

Guideline values
for draining without
back pressure using
NLGI 2 lubricant.

Lubricant residue
may be left behind
at temperatures
> +40 °C and
discharge times
> 6 months.



	1	2	6	9	12
at -20 °C	2	5	10	13	15
at 0 °C	1.3	3.8	7.2	11	13
at +20 °C	1	3	6	9	12
at +40 °C	0.8	2.5	5.2	7.5	10
at +60 °C	0.6	2	4	-	-

Product features and benefits



All-in-one system with rotary timer for adjusting the discharge time:

1, 2, 3... 12 Months

- The system is supplied fully assembled and is ready for immediate use
- Easily set and switched on using the dial
- Discharge time can be set in monthly intervals from 1 to 12



The system operates reliably between -20 °C and +60 °C

- Suitable for use across a wide temperature range
- Can be used outdoors all year round



**EX Certified
FM Approved
IP 68**

- Safe and constant lubrication in explosion hazard areas
- Can be used in high-humidity or dusty environments
- Increased safety at work

CASSIDA Automatic Lubricators



CASSIDA FLEX 60

Description: 60 cm³ automatic lubrication system

Items included: CASSIDA FLEX 60

Sales format: Box of 10 units

Minimum order: 300 units (30 boxes)



CASSIDA FLEX 125

Description: 125 cm³ automatic lubrication system

Items included: CASSIDA FLEX 125

Sales format: Box of 10 units

Minimum order: 150 units (15 boxes)

Remote Installation Accessory Kit

Although preference should be given to installing the automatic lubricators directly, it is often necessary to install them at a distance in order to reduce the lubricant pressure on the lubrication point as much as possible. This is particularly the case at lubrication points subject to high temperatures (> 60 °C), or where the lubrication point is inaccessible or poses a high risk of injury (vibrations, impacts, cutting, etc.).

The following accessories are required to install CASSIDA automatic lubricators at a distance from the lubrication point. In order to ensure their proper operating pressures, the STAR VARIO system should be installed at no more than 5 m and the FLEX system at no more than 2 m.









OIL LUBRICATOR INSTALLATION KIT

Description: Remote installation accessory kit for the automatic oil-filled lubricator (CASSIDA STAR LC or CASSIDA FLEX)

Items included: 8 accessories and replacement parts

Sales format: Box with accessory kit

Minimum order: 10 kits

Item name	Quantity	Picture
STAR G1/4 mounting bracket (stainless steel)	1 pc	
65 mm beam clamp (stainless steel)	1 pc	
Straight G1/4" connector for 8 mm OD, 6 mm ID tubing (nickel-plated brass)	2 pcs	
8 mm OD tubing for temperatures between -40 °C and +80 °C (PA)	3 m	
G1/4 male x G1/4 female 90° elbow (brass)	1 pc	
G1/4 male x G1/4 female oil non-return valve for temperatures up to 60 °C (brass / plastic)	2 pcs	
Brush bracket (stainless steel)	1 pc	
Ø 20 mm G1/4 brush	1 pc	









GREASE LUBRICATOR INSTALLATION KIT

Description: Remote installation accessory kit for the automatic grease-filled lubricator (CASSIDA STAR LC or CASSIDA FLEX)

Items included: 8 accessories and replacement parts

Sales format: Box with accessory kit

Minimum order: 10 kits

Item name	Quantity	Picture
STAR G1/4 mounting bracket (stainless steel)	1 pc	
65 mm beam clamp (stainless steel)	1 pc	
Straight G1/4" connector for 8 mm OD, 6 mm ID tubing (nickel-plated brass)	2 pcs	
8 mm OD tubing for temperatures between -40 °C and +80 °C (PA)	3 m	
G1/4 male x G1/4 female 90° elbow (brass)	1 pc	
G1/8 male x G1/4 female reducer (brass)	1 pc	
M8x1 male x G1/4 female reducer (brass)	1 pc	
M10x1 male x G1/4 female reducer (brass)	1 pc	

Automatic lubricators

Purchase conditions and remarks

1. Minimum order quantities for each product are shown in this catalogue. Please contact your sales engineer for products with no required minimum order.
2. Each product is shipped with its respective instruction manual.
3. The automatic lubrication systems in this catalogue are not refillable. This is to ensure the safety of the equipment where they are installed and to protect the product's warranty.
Any attempt to re-use any of these systems will result in the loss of warranty claims.
4. If re-used, the lubricant cartridge may fail due to improper assembly, which may also cause other system failures. The costs resulting from such failures are much more substantial than the purchase of a new, reliable lubrication system.

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