

# Technical Data

## FOODLUBE® AUTOLUBE

**Food grade, multipurpose, extreme pressure grease in automatic lubricator**



Nonfood Compounds  
Program Listed: H1  
ISO 21469 Certified

### Description

ROCOL® FOODLUBE AUTOLUBE is a electromechanically operated automatic lubricator containing the high performance FOODLUBE Premier 1 grease.

ROCOL FOODLUBE Premier 1 is a soft, white, non-toxic grease designed for the effective lubrication and protection of ball, roller and plain bearings, slides and bushes particularly those operating in food, pharmaceutical and other clean environments.

FOODLUBE Premier 1 is an excellent all round NLGI No.1 grease offering excellent water wash off resistance and corrosion protection necessary for lubricants used in food, pharmaceutical and other clean environments.

### Applications

- Ball Bearings
- Roller Bearings
- Plain Bearings
- Linear Bearings
- Slides
- Bushes
- Electric Motor Bearings

### Approvals / Specifications

- Does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients.
- Manufactured from only FDA listed ingredients:
  - FDA Group 21 CFR 178.3570
- NSF H1 registered – 141084
- ISO 21469
- Halal certified
- Kosher certified
- Rocol unique TPM number – 43

### Features & Benefits

- Offers an excellent wide temperature resistance of -30°C to +180°C
- Excellent EP performance with a 4-ball weld load of 315 kg.
- Highly resistant to water wash off and offers excellent corrosion protection.
- Excellent oxidation stability resulting in extended relubrication intervals and a reduction in lubricant usage.
- Excellent pumpability

### Directions For Use

Prime the mounting point with FOODLUBE Premier 1 prior to fitting the FOODLUBE AUTOLUBE.

Set the correct timing and when the unit is ready press the SET button on the top as explained later in this document.

Screw the unit into ¼” BSP female fitting attached to the lubrication point immediately.

The storage temperature should be controlled between +1°C and +40°C.

Shelf life is 3 years from date of manufacture.

### Further Information

For pack sizes, part codes and safety data sheets please visit [www.rocol.com](http://www.rocol.com) or get in touch with our customer service team who will be happy to help: [customer.service@rocol.com](mailto:customer.service@rocol.com)

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Property	Test Method	Result
Appearance	Visual	White tenacious grease
NLGI No.	IP 50 - ASTM D217	1
Base Type	N/A	Polyalphaolefin
Base Fluid Viscosity at 40°C	IP71-ASTM D445	150cSt
Thickener	N/A	Complex soap
Solids	N/A	White, non-toxic solids
Temperature Range	N/A	-30°C to +180°C
UNILUBE Operating Range	N/A	-10°C to +60°C
4-Ball Weld Load	IP239-ASTM D2596	315kg
SKF-ROF Bearing Life	N/A	1390 hours
Corrosion Test-Emcor	IP 220	0:0
Copper Corrosion Test	IP112-ASTM D130	1b
Water Washout Test	IP215-ASTM D1264	<2%
Maximum AUTOLUBE Diameter	N/A	75mm
Maximum AUTOLUBE Length	N/A	178mm

Values quoted above are typical and do not constitute a specification.

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## TECHNICAL DATA FOR ROCOL FOODLUBE AUTOLUBE

### SETTING THE DISPENSING PERIOD

A simple calculation can aid selection:

Select a factor considering any adverse conditions ie... Dust, water, loading, vibration etc...

SEVERITY OF OPERATING CONDITIONS	FACTOR
MEDIUM	10
HEAVY	15
VERY HEAVY	20

Add the factor to the bore of the bearing (in millimetres) ie. 15 + 25mm bore = 40

Read the lubrication interval from the chart below:

SUM OF BEARING BORE IN mm PLUS OPERATING CONDITION FACTOR	LUBRICATION INTERVAL FOODLUBE Autolube
< 50	12 months
50 – 70	6 months
70 – 100	3 months
100 – 135	1 month
> 135	Consult ROCOL

### ADDITIONAL INFORMATION:

FOODLUBE settings (months)	1	3	6	12
ml/day dispensed	4.00	1.33	0.67	0.33
Approx. hours between 0.56 ml shots	3.5	10	20	40

**N.B.** A standard grease gun dispenses approx. 1gm (1ml) per shot. (Volume-approx. 1 cm<sup>3</sup>)

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility Issue 7 10-17

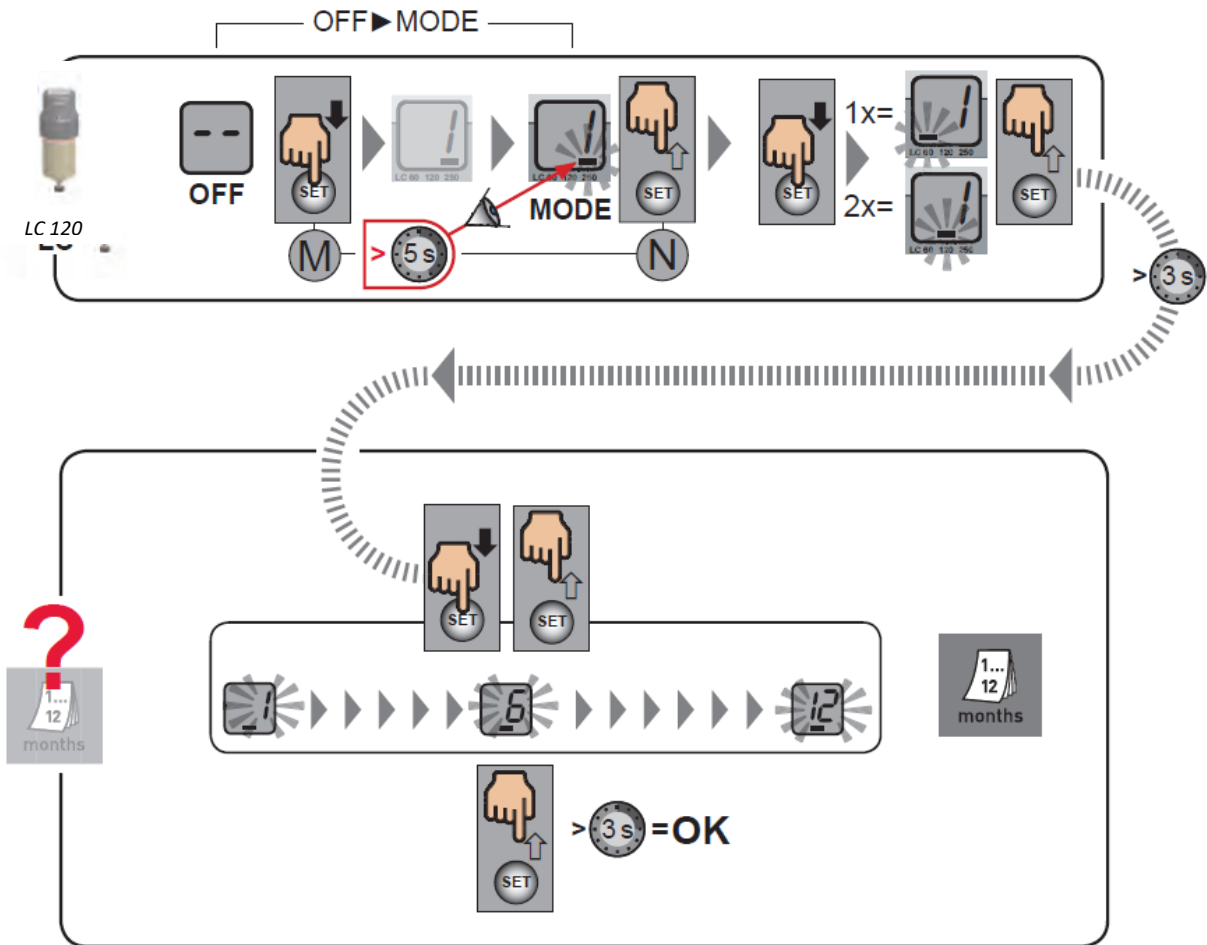
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## OPERATING INSTRUCTIONS



Insert batteries

Display: --



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## TECHNICAL DATA FOR ROCOL FOODLUBE AUTOLUBE SPECIFICATIONS

- *The ROCOL FOODLUBE Autolube is an electromechanical, reusable, automatic lubricator*
- *Autolube mounting is an R1/4 (¼ BSP) male thread*
- *Dispensing – 0.56 ml each operating cycle*
- *Capacity – 120 ml per cartridge*
- *Temperature range of the Autolube unit is -10°C to +60°C with a constant discharge pressure*
- *Pressure build-up to 6 bar allows remote mounting with 6mm bore nylon tubing up to 3 mtr away*
- *The ROCOL FOODLUBE Autolube is manufactured to IP65 (Not for submerged applications)*
- *The ROCOL FOODLUBE Autolube is not classified as intrinsically safe*
- *All around visible LED lights signal functions and errors*
- *The unit can be switched off*
- *Drive unit can be reused – Replacement cartridges are supplied with new batteries*