Technical Data

Performance you can trust

FOODLUBE® UNILUBE

Food grade, multipurpose, extreme pressure (EP) grease with PTFE in automatic lubricator

Product Overview

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

ROCOL FOODLUBE Premier 1 is a soft, white, non-toxic lubricant 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.

Features and Benefits

- FOODLUBE Premier 1 offers an excellent wide temperature resistance of -30°C to +180°C.
- It exhibits excellent EP performance with a 4-ball weld load of 315 kg.
- FOODLUBE Premier 1 is highly resistant to water wash-off and offers excellent corrosion protection.
- FOODLUBE Premier 1 has excellent oxidation stability resulting in extended relubrication intervals and a reduction in lubricant usage.
- FOODLUBE Premier 1 is particularly suitable where long pipe runs or small bore tubing is present.

Directions for Storage and Use

- Prime the mounting point with FOODLUBE Premier 1 or 2 prior to fitting the FOODLUBE UNILUBE.
- Screw the unit into a ¼" BSP female fitting attached to the lubrication point.
- The storage temperature should be controlled between +1°C and +40°C.
- Shelf life is 3 years from date of manufacture.

Specifications

- FOODLUBE Premier 1 does not contain: mineral hydrocarbons, animal derived materials, nut oils or genetically modified ingredients.
- FOODLUBE Premier 1 is manufactured from only FDA listed ingredients: FDA Group 21 CFR 178.3570
- NSF H1 registered – 141084
- Halal certified
- Kosher certified

Pack Sizes

Pack Size	Part Code
125ml	13010

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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	N/A	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	-20°C to +60°C
4-Ball Weld Load	IP 239 – ASTM D2596	315kg
Corrosion Test - Emcor	IP 220	0:0
Copper Corrosion Test	IP 112 – ASTM D130	1b
Water Washout Test	IP 215 – ASTM D1264	<2%
Maximum UNILUBE Diameter	N/A	58mm
Maximum UNILUBE Length	N/A	117mm

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

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

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: 5 Date: 10-17

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TECHNICAL DATA - ROCOL UNILUBE SPECIFICATIONS

- Supplied fully assembled and ready to use - no separate tools required
- Charge the lubrication point and any remote piping with the same lubricant as supplied in the UNILUBE
- Rotate the top of the UNILUBE to the required monthly frequency
  - Then tightly screw the UNILUBE, by hand, into an R1/4 (¼ BSP) female connection
- Do not remove the UNILUBE from its connection point once activated as the unit will lose pressure and will have to re-pressurise once it has been reinstalled
- The unit can be mounted remotely up to 1 metre away (horizontal to, or above, application point) with 6mm bore (8mm O.D.) nylon airline tubing. Reduce tube length to 0.5 metre if pumping uphill
- The ROCOL UNILUBE is a gas generated, disposable, automatic lubricator
  - Gas is generated by a sodium azide-free battery
- Ingress protection to IP 68
- ROCOL UNILUBE fitting – R1/4 (¼ BSP) male
- Dispensing;
  - Variable from 1 – 12 months in monthly increments - Settings can be altered during dispensing period
  - The unit can be switched off during dispensing period
  - Capacity – 125 ml - Non-refillable
  - Approximate sizes - Maximum diameter – 58mm, Maximum length – 117mm
- UNILUBE operating temperature range -20°C to +60°C
  - Dispensing periods indicated at +20°C unless otherwise specified
  - Higher temperatures can increase lubricant flow rate (reducing activator time setting)
  - Lower temperatures can reduce lubricant flow rate (increasing activator time setting)
- 5 bar maximum pressure at ROCOL UNILUBE outlet
- The ROCOL UNILUBE operates in any direction including fully submerged
- ATEX certified;

DEKRA 12 ATEX0006 X	**IECEx DEK 11.0103X**
II 1G Ex ia IIC T6	Ex ia IIC T6 Ga
II 1D Ex iaD 20 T85°C	Ex ia IIIC T85 °C Da
I M1 Ex ia I	Ex ia I Ma

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