

# The Smart Electro-Mechanical Lubrication Unit

LUBCON REGISTERED  
VNSF



## LUBCON® MicroMax 120

Optimum lubrication of bearings, ball screws, linear guides etc. during operation with a smart single point automatic lubricator. Lubrication of critical components in difficult to reach areas over long periods is possible with our self-sustaining electro mechanical grease pump.



**Safety**



**Efficiency**



**Cost Savings**



**Reliability**



The Electro-Mechanical Lubrication Unit

- ✓ economical
- ✓ robust and reliable
- ✓ long term lubrication

# LUBCON® MicroMax 120



## The Smart Electro-Mechanical Lubrication Unit

### Modern Lubrication Providing Best Machine Performance and Reliability

#### ■ Economical

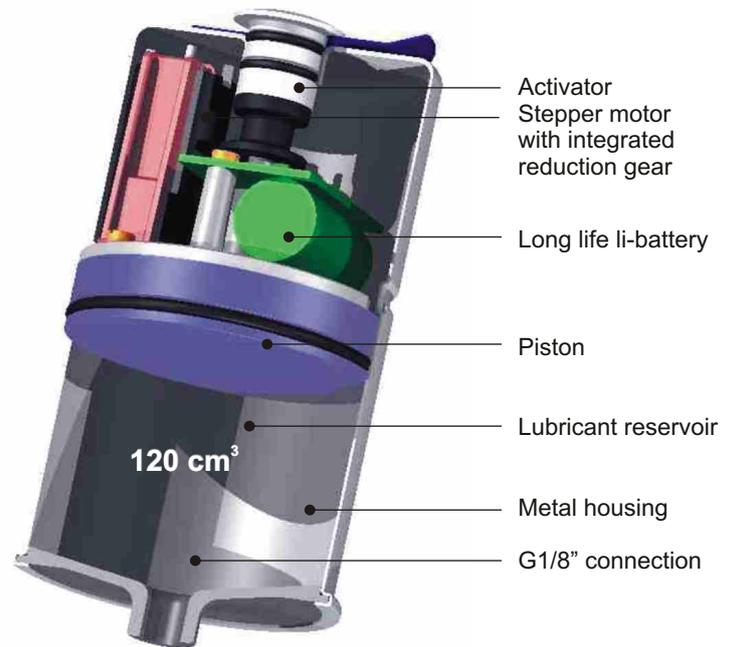
- ✓ easy installation and activation
- ✓ automatic lubricant supply 24/7
- ✓ optimal metering of the lubricant
- ✓ combination of high-performance lubricants and intelligent lubrication device
- ✓ battery driven, no external power needed

#### ■ Robust and Reliable

- ✓ closed metal housing
- ✓ completely sealed unit
- ✓ performs in extreme environmental conditions (dust, water, heat)
- ✓ installation in any position

#### ■ Lubrication Over Long Periods

- ✓ individually adjustable operating time
- ✓ possible operating range up to 36 months
- ✓ lubrication device for minimum quantities  
e. g. at 3 years operating time: 40 cm<sup>3</sup> per year



## LUBCON Lubrication System

The **MicroMax 120** is an electro-mechanical lubricator for automatic lubrication with grease or oil. The aluminum body of the **MicroMax 120** contains 120 cm<sup>3</sup> lubricant. A linear advancing piston pushes the lubricant through the outlet to the lubrication point. The forward motion of the pistons is generated by a geared motor and a spindle drive.

The control of this motion and the activation and control of the gear motor is done by a micro processor. A fixed, non-removable lithium battery supplies the electronic circuit and the motor with energy. The maximum operating time of the **MicroMax 120** is 3 years.

Technical Data	MicroMax 120
Lubricant volume	120 cm <sup>3</sup>
Feed rate	0,12 cm <sup>3</sup> /stroke
Operating time	individual up to 36 months
Suitable lubricants	oils, greases up to NLGI class 2
Dimensions (D x L)	63 mm x 122 mm
Fitting	G 1/8"
Housing material	aluminum
Maximum length of tube	2 m (6 ft)
Recommended tube diameter	6 mm (outer diameter), 4 mm (inner diameter)
Ambient operating	-20 °C* up to +70 °C / -4 °F up to +158 °F
Maximum feed pressure	10 bar / 145 psi
Protection class	IP68
Drive	electro-mechanical

\*) Deep temperature limit is depending on the NLGI class



### LUBCON Service + Systems GmbH Lubrication Systems

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