

HIGH PERFORMANCE LUBRICATION SYSTEM



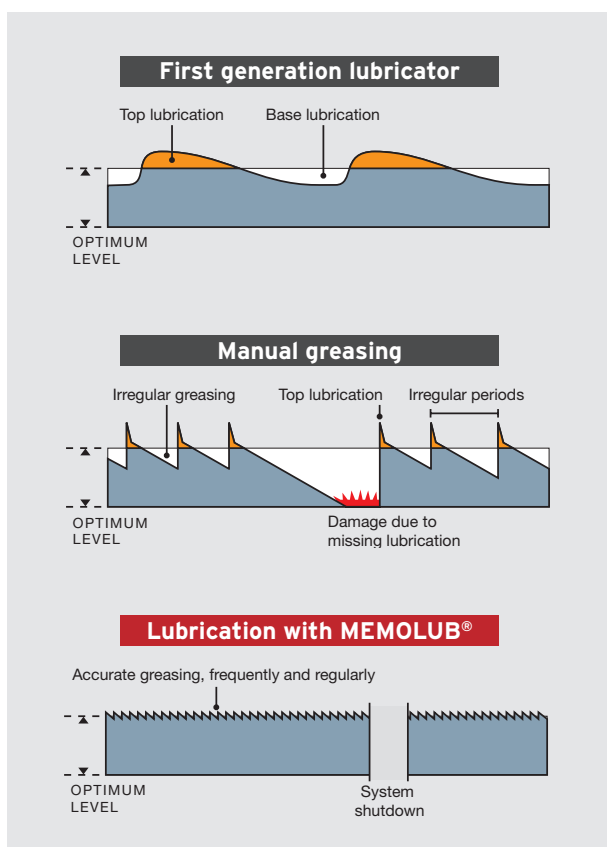
- single or multiple points
- easy to use and reusable
- remote installation
- patented control system
- for all types of industries
- guaranteed return on investment

The standard in industrial lubrication systems

► High-quality lubrication solutions

MEMOLUB® offers a range of class leading single & multi-point lubrication systems, recognised as the benchmark and undisputed reference point for electro-mechanical lubricators. The exceptional features and high quality manufacture of MEMOLUB® offers outstanding protection for lubricated equipment across a wide range of industrial applications.

EFFECTIVE, EASY TO USE, AND ACCURATE



The right Lubricant, the right Quantity, at the right Time and on the right Place.

ECONOMICAL

- Long-term protection of equipment.
- Increased reliability.
- Cartridge change in less than 60 seconds!
- Accurate lubrication.
- Reduced maintenance costs.
- Increased profitability.

RELIABLE

- Industry proven: 25 years' worldwide distribution.
- Exceptional control features.
- Patented pump design.

SAFE

- Remote installation for difficult or dangerous access points.
- Reduced downtime for lubrication.
- Easy to use.
- Instant verification offered by transparent housing and check function.

ECOLOGICAL

- Reusable.
- Wide range of low cost replacement cartridges and battery power packs.
- Unlimited refills.
- Reduced environmental impact.
- Reduced lubricant consumption and improved protection of production equipment.

Examples of applications



BEARINGS



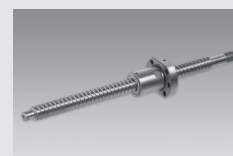
CHAINS



LINEAR GUIDANCE



GEARS



BALL SCREW

Dosing pump The Memo

➤ A powerful and efficient pump

- Dosing pump with adjustable output.
- Lubricant ejection pressure from 10 to 25 bar.
- High-performance pump able to pump lubricants at extreme temperatures and with high viscosity.

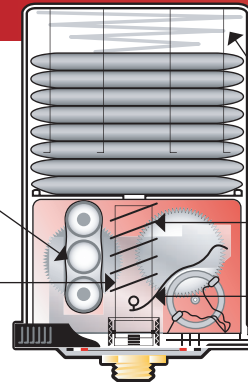
4.5V Batteries
External 24 V power supply possible

Dosing piston
Opens the check valve.
Standard quantity 0.6 cc

Compression spring:
0,4 bar

Ejection spring:
10 or 25 bar

Lever



10 bar & 25 bar

➤ The Memo: Smart Setting

- The patented Memo system adjusts the lubricant discharge frequency.
- The discharge frequency is set for each lubrication point once for all, but it can be adapted on demand at any time.



- Only one screwable part specifies the lubrication program

Memo 10 bar



- Programming the MEMO with 3 coloured rings: black, white and red

Memo 25 bar

➤ The technology: the accumulator effect

MEMOLUB® not only protects the moving parts of your machine, it protects your lubricant.

Excessive pressure applied to the lubricating grease causes oil separation. Back pressure generated by a lubrication system depends on a number of factors. The tubing diameter, the type of lubricant and the ambient temperature, are all major contributors but the most significant element is the speed/pressure at which the lubricant is expelled.

MEMOLUB®'s unique method of operation eliminates this problem. Thanks to its patented design Memolub allows the lubricant to travel to the lubricating point without the need for excessive pressure.

The lubricant remains in its premium condition offering substantially improved lubrication of your valuable asset.





Memolub® 10 bar

Single-point, reusable and remote lubrication system

EM

2 SETTINGS

ECO

2 SETTINGS

ONE

4 SETTINGS


10 bar
(120 cc or 240 cc)
single point


2 m



► EM

120 cc model. Specifically for controlled micro-lubrication. Specially suited for applications requiring frequently little quantity but frequent greasing: small bearings, linear guidance, chains, electric motors, etc.

► ECO

240 cc model. Lubricants for larger components that requires more.

► ONE

240 cc model. Ideally suited for difficult environments where the lubricant must also play a protective role. Can be used for all types of application.

All our 10 bar models are battery operated.

Technical specifications

	EM	ECO	ONE
			
Cartridge volume	120 cc	240 cc	240 cc
Settings	12 or 24 months	6 or 12 months	1, 3, 6 or 12 months
Maximum stroke pressure	10 bar / 140 psi		
Batteries	4.5 V DC Alkaline battery		
Remote installation	Up to 2 metres – Ø 8 mm tubing		
Lubricants	Oil and Grease (up to NLGI #2 with an oil base up to 1500 cSt)		
Operating temperature	-15°C tot 50°C*		
Connections	1/4 BSP		

* Batteries + lubricant adapted for low temperatures

MEMO adjustments

	EM		ECO/ONE		ONE	
						
Adjustments	2 years	1 year	1 year	6 months	3 months	1 month
Average daily output	0,15 cc/day	0,3 cc/day	0,6 cc/day	1,2 cc/day	2,4 cc/day	7,2 cc/day

Memolub® 25 bar

Single or multiple points, reusable and remote lubrication system



HPS

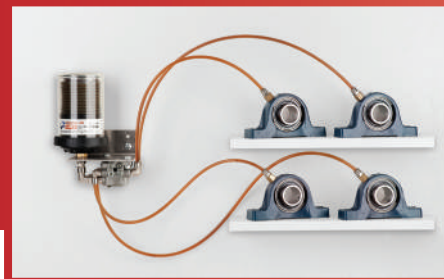
4,5 V BATTERIES

HPS EPS

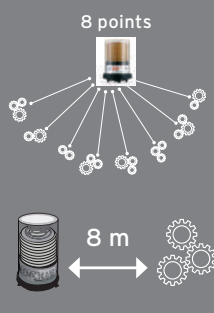
24 V EXTERNAL
POWER SUPPLY

HPS PLCD

24 V POWER SUPPLY
PLC DRIVEN



25 bar (120 cc,
240 cc or 480 cc)
single or
multiple point



➤ HPS

Universal model with battery power supply, allowing it to be used in all types of environments and applications. This model provides regular, accurate and reliable lubrication.

➤ EPS

Ideal for lubrication on installations functioning on an irregular basis. The frequencies of the MEMO are stored.

➤ PLCd

Unlimited settings with possible machinery feedback. The perfect solution for OEMs.

Technical specifications

	HPS	EPS 24V	PLCd
			
Cartridge volume	120 cc, 240 cc or 480 cc		
Output settings	7 main settings and several additional settings		Unlimited settings by PLC
Maximum stroke pressure	25 bar / 350 psi		
Batteries / Power supply	Alkaline batt. 4,5 V DC (AA-LR6)	External 24 V DC	External 24 V DC
Remote installation	Up to 8 metres / single point – Ø 8 mm tubing		
Lubricants	Oil and Grease (up to NLGI #2 with an oil base up to 1500 cSt)		
Operating temperature	-15°C to 50°C*		
Connections	1/4 BSP		
Control detector	Progressive distributor for 4, 6 and 8 outputs		

* Batteries + lubricant adapted for low temperatures

MEMO adjustments

							
Daily ejection	24	12	4	2	1.5	1	0.5
Daily output in cc	15.1	7.6	2.5	1.3	1.0	0.6	0.3
Months to empty 120 cc	0.25	0.5	1.5	3	4	6	12
Months to empty 240 cc	0.5	1	3	6	8	12	24*
Months to empty 480 cc	1	2	6	12	16	24*	-

* Only with MEMOLUB® EPS

Typical applications



- • Critical components
- Difficult or dangerous access points
- Accurate greasing
- High greasing frequency
- Lubrication without machine downtime

MEMOLUB®
systems have
an excellent reputation
and are distributed in more
than sixty countries around
the world.



Food industry: lubrication of press ball bearings.



Automotive industry: lubrication of aerial conveyor belt rollers and rails.



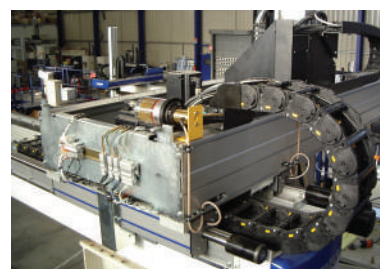
Mineral industry: lime factory: lubrication of 4 screw drive bearings.



Textile industry: Picanol weaving loom bearings.



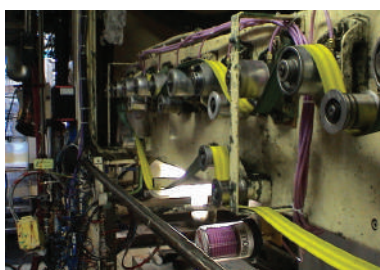
Mineral industry: lubrication of conveyor belt bearings.



Robotics industry: lubrication of ball guides.



Food waste processing industry: cabinet of Memolubs for the lubrication of bearings and casing of a rotation fermenter.



Metal industry: lubrication of return roller bearings on a production machine for aluminium sheets.



Food industry: lubrication of Solyvent Ventec ventilator bearings.

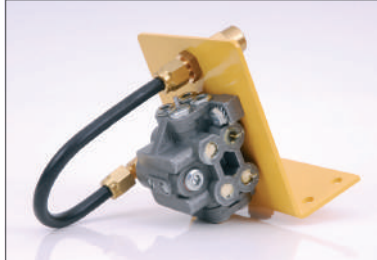
Accessories

SPLITTER MEMO HPS



HPS Kit for 2 points

DISTRIBUTOR KIT HPS



HPS Kit for 3 to 8 points

EXTENSION KIT



Single point fixture kit

BRUSHES AND KIT



Brushes to lubricate chains

CRANE RAIL



Rail lubrication

SPRAY NOZZLE



Liquid grease sprays

LUBRICATION PINIONS



Lubrication pinions

PROXIMITY SWITCH



Lubrication switch

PROTECTION COVER



In difficult environments, water, salt

MEMO KIT



Frequency adjustment kit

SPARE PARTS



See our online catalogue

ADAPTATORS



Adaptors



Electrical characteristics

	EM	ECO	ONE	HPS	EPS 24 V	PLCd
Power supply	Int.	Int.	Int.	Int.	Ext.	Ext.
Output voltage	4.5 V DC	4.5 V DC	4.5 V DC	4.5 V DC	24 V DC	24 V DC
Output current	-	-	-	-	< 0.5 A	< 0.5 A
Short Circuit Protection	ok	ok	ok	ok	ok	ok
Stroke duration	8 sec	8 sec	8 sec	8 sec	4 sec	4 sec
Min. time between strokes	2 days	12 hours	2 hours	1 hour	1 hour	10 minutes
Max. cable length	NA	NA	NA	NA	10 m	10 m
Power cable	NA	NA	NA	NA	2 x 0.5 mm ²	2 x 0.5 mm ²

Memolub greases

Name	Class NLGI	Base oil	Soap	Temperature range (°C)	Viscosity at 40 °C	Speed (high, medium, low)	Bearings	Slide bearing	Open gear, rack and pinion	Ball screw	Linear guidance	Shaft sealing
MEMOMULTI 2 (standard) Multipurpose grease Excellent resistance to water	2	Mineral	Calcium sulfonates	-20°C to 150°C	460	Low to High	✓	✓	-	✓	✓	✓
MEMOFOOD H1 certified Multipurpose grease Excellent resistance to water	2	White	Aluminium complex	-20°C to 120°C peak at 140°C	140	Low to High	✓	✓	-	✓	✓	✓

Remote installation or with distributor block 2 to 8 outlets

Lengths of tubing with Multi2 grease grade N.L.G.I. 2, tubing Ø int. 6 mm et fittings M8 minimum:

T°	Base oil viscosity	Direct	Remote	With Splitter MEMO	With progressive bloc*
-10°C	48.000	ok	6 m	2 m	2 m
0°C	15.000	ok	6 m	2 m	4 m
20°C	4.000	ok	8 m	4 m	6 m
40°C	460	ok	8 m	4 m	8 m

* by manufacturer recommended

YOUR DEALER

LubricationUK Ltd
Unit 5
The Green Ind, Est
Clun
Shropshire
SY7 8LG
tel: 01584874220 / 07885467673
Info@lubricationuk.com
www.lubricationuk.com