

For cost reduction  
turn to Memolub®



# **MEMOLUB®**

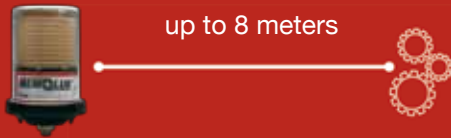
**SMART LUBRICATION SYSTEMS**

- Up to 8 lube points
- Long distance performance
- Patented setting system
- Unmatched ease of use
- Suitable to all industries
- High return on investment

up to 8 lubrication points



up to 8 meters



compatible to all industrial components



## QUALITY SOLUTIONS / THE MEMOLUB® SYSTEMS

The exceptional functionality and the high efficiency of the Memolub® are recognized as outstanding assets by the industry.

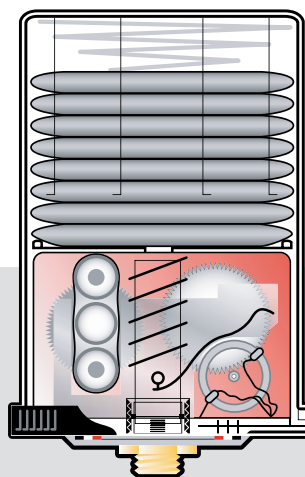
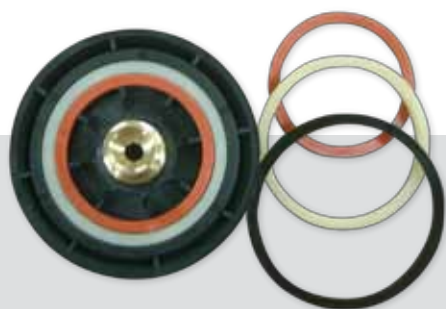
The Memolub® System is an autonomous single/multi point electro-mechanical lubricator. It's high lubricant ejection pressure of 25 bar opens up a new wide range of applications not possible with conventional systems.

Memolub® can be used remotely up to 8 meters from the lubrication point. Remote installation avoids dangerous or difficult access points, and maintenance personnel can work swiftly in safety.

Machine stoppage for lubrication can be avoided by installing Memolub® Systems. Memolubs can also be used as a mini central lubrication system. Combined with progressive distributor blocks, Memolub® Systems are a simple and economical way of reducing maintenance costs.

## MEMOLUB® WORLDWIDE

In over fifty countries in the world, Memolub® systems are recognized as outstanding tools for machine lubrication



25 bar

## SMART REGULATION / THE MEMO

The Memo is a unique system for adjusting the daily grease output of the Memolub® HPS. The Memo is programmed the first time and is then permanently fitted on the lubrication point. Maintenance personnel need not remember which setting is necessary for each lube operation, and organisation is thus simplified. Programming the Memo is simple and takes little time. See the technical data page for the standard settings.

### THE SPLITTER MEMO

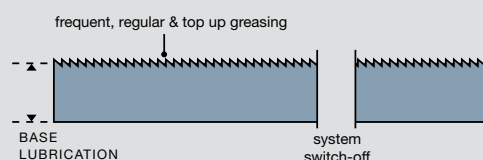
The Splitter MEMO is an economical and easy way to lubricate 2 points with one Memolub® System.

## POWERFULL & EFFICIENT / THE PUMP

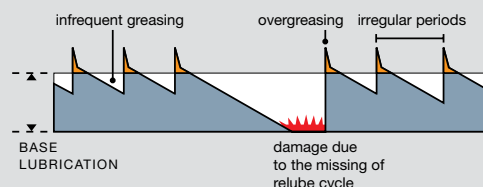
The positive displacement piston pump of the Memolub® System pumps up greases or oils at pressures up to 25 bar. The high efficiency system is capable of pumping grease at temperatures down to  $-15^{\circ}\text{C}$ . With special greases lubrication at  $-25^{\circ}\text{C}$  is possible.

Memolub® is totally autonomous (power supplied by battery packs). External Power Supply versions are also available (see Memolub® systems and accessories). Power consumption is very low.

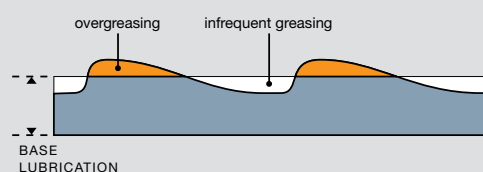
### Typical Memolub® greasing pattern



### Typical manual greasing pattern



### Typical first generation lubricators greasing pattern



## EXCELLENT RETURN / RELIABILITY

- long term equipment protection
- less machine failures
- reduction of mechanical failures
- maintenance cost reduction
- easy control function
- improved lubrication organisation

## TYPICAL APPLICATIONS

- Critical components
- Difficult or dangerous access points
- Precise lubrication
- Frequent relubrication intervals
- Avoid machine stoppage



Bearing lubrication in  
Alu-printing Industry



Automotive Industry



Conveyor lubrication  
in a quarry



Rotative oven lubrication



Chain lubrication



Automotive Industry



Fan lubrication in  
food industry



Windmill lubrication

## MEMOLUB® Systems and accessories



### MEMOLUB® HPS

High pressure and autonomous lubrication system.



### MEMOLUB® EX

Designed for explosive atmospheres (In zones 2 and 22).



### MEMOLUB® EPS

Powered by an external energy source of 24 Volts (4,5 Volts and 12 Volts on demand).



### MEMOLUB® PLCdriven

Totally controlled by the PLC of the machine.



### CARTRIDGES AND POWERPACKS

Low cost replacement cartridges and non welded battery packs are the only consumables required during the many years of service of MEMOLUB®.

MEMOLUB® can also be used with cartridges filled with oil for chain lubrication.



### MEMOLUB FULL CONTROL

- Alarm when default.
- Empty cartridge indicator.
- Settings from 1 week to 2 years.



### SPLITTER MEMO

Dedicated to lubricate 2 points with one Memolub® System.



### Distribution Block\*

Up to 8 outlets

\* Only with Distribution Blocks approved by Memolub® Int.



## Systems Specifications

	Standard	Mega	Giga
<b>Dimensions</b>	115 x 101	147 x 101	228 x 101
<b>Cartridge capacity</b>	120 cc	240 cc	480 cc
<b>Lubricants</b>	Oils and greases up to NLGI 2/3 grade.		
<b>Battery pack (HPS/EX)</b>	4,5V Alkaline		
<b>Max. Pressure</b>	25bar		
<b>Electronic Controls</b>	Quartz timer, microprocessor		
<b>On/Off function</b>	Immediate response		
<b>Temp. exposition</b>	-40°C to +50°C		
<b>Min. constant (HPS/EX)</b>	Standard	-10°C	
	Mega	-5°C	
	Giga	0°C	
<b>Installation thread</b>	1/4 Inch R		

## Basic Settings

Rings (Color)	Strokes Per Day	Daily Output in CC's	Months To Empty 120cc	Months To Empty 240 cc	Months To Empty 480 cc
RBW	24	15.1	0.25	0.5	1
RW	12	7.6	0.5	1	2
RB	4	2.5	1.5	3	6
R	2	1.3	3	6	12
BW	1.5	1.0	4	8	16
W	1	0.6	6	12	24(*)
B	0.5	0.3	12	24(*)	-

Note : B = Black ring / W = White ring / R = Red ring

\* Only with MEMOLUB® EPS model (External Power Supply)

## Remote installation or with distributor block 2 to 8 outlets

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

Viscosity	Direct	Remote	With Splitter MEMO	With progressif distr. block **
1000 cSt	ok	8 m	4 m	6 m
3000 cSt	ok	6 m	3 m	5 m
5000 cSt	ok	4 m	2 m	4 m
9000 cSt	ok	2 m	1 m	2 m
15000 cSt	ok	1 m	NA	1 m

With Ø int.4 mm, divide all distances by 2.

\*\* by manufacturer recommended

When fittings <M8 used on lube points, use a grease 0 grade.

## Electric characteristics

	HPS	EPS 4.5 V	EPS 24 V	EPC	PLCd
Power Supply	Int.	Ext.	Ext.	Int.	Ext.
Voltage	4.5 V DC	4.5 V DC	24 V DC	4.5 V DC	24 V DC
Amperage	NA	2 A	< 0.5 A	NA	< 0.5 A
Short Circuit protection	ok	ok	ok	ok	ok
Polarity Protection	NA	ok	ok	NA	ok
Stroke Duration	8 sec	8 sec	4 sec	8 sec	4 sec
Min. Time between stroke	1 hour	1 hour	1 hour	1 hour	10 minutes
Max. Wire length	NA	5 m	> 10 m	> 10 m	> 10 m
Wire Section	NA	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>

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### Represented by

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