

**NEW**



**ENGINEERED SOLUTIONS  
FOR SINGLE & MULTI-POINT  
DIRECT-MOUNT & REMOTE  
AUTOMATIC LUBRICATION**

# Why switch to automatic lubrication?

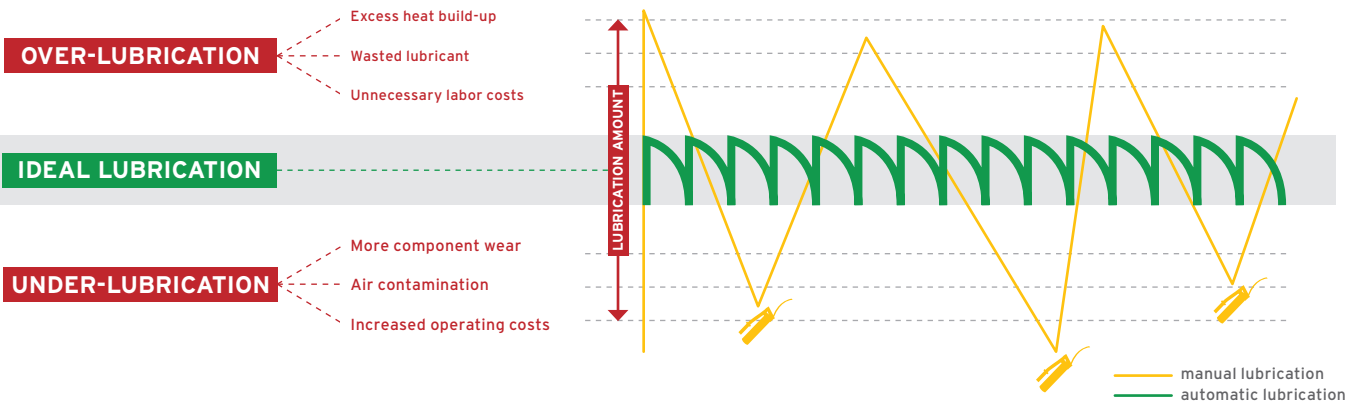
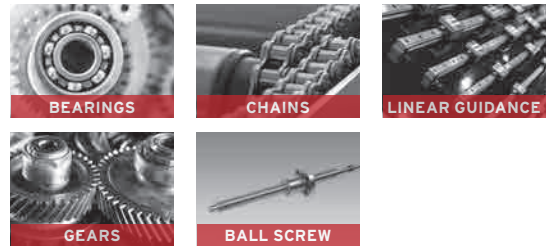
➤ In today's industrial environment, a significant amount of production downtime can be traced back to lubrication issues. They can stem from such things as contamination introduced during maintenance and servicing, over-lubrication, and inconsistencies in manual application. Besides unscheduled downtime and loss of production, lubrication issues can lead to product damage, excessive energy consumption, and environmental concerns. Automatic lubrication systems help to reduce the occurrence of bearing failures by delivering metered amounts of fresh, clean lubricant at precise timing intervals. They also prevent excess grease from getting onto the finished product, the plant floor, or other work surfaces. This results in increased productivity, decreased environmental impact, and better worker safety.

## EQUATION OF EFFICIENCY

- + Right lubricant
- + Right quantity
- + Right frequency
- + Right place
- = **Automatic Lubrication**



### Examples of applications



## WHY?

### ➤ SAFE

- High output pressure makes remote-lubrication of difficult or dangerous lube points possible.
- Transparent housing and check function combine to facilitate easy confirmation of lube level.

### ➤ ECONOMICAL

- Low cost of ownership due to reusable base unit.
- Reduced lubricant consumption and improved wear protection minimizes equipment maintenance cost.
- Quick shipment of low-cost refill cartridges means no lubricant for you to inventory.
- Thoughtful design facilitates rapid changeout of lubricant cartridges. Takes less than 60 seconds!

### ➤ RELIABLE

- Precise amount of lubricant delivered at regular intervals.
- Flexible programming to accommodate any application.
- Robust design and patented technology can stand up to even the harshest operating environments.

### ➤ ECO-FRIENDLY

- Reusable base unit means less material in landfills.
- Precise metering & placement of lubricant minimizes lubricant waste.
- Lubricant delivered consistently and uniformly to lube point.

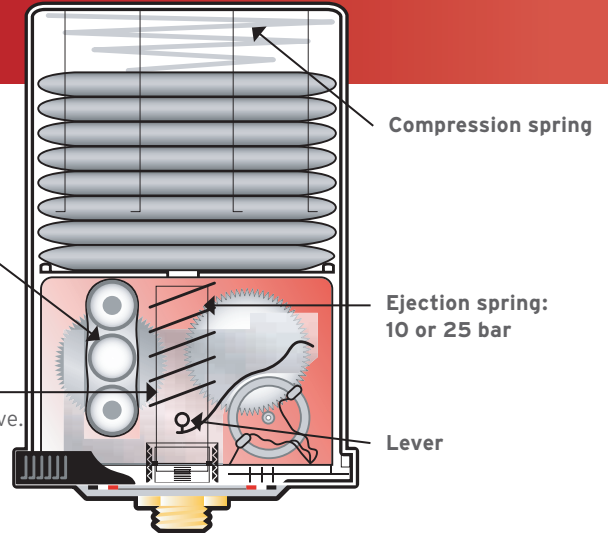
# The dosing pump and the Memo

## ► Powerful and Efficient Pump

- Electromechanical device with adjustable output.
- Powerful output pressure, from 10 bar (140 psi) to 25 bar (350 psi).
- Capable of pumping even high-viscosity lubricants at extreme temperatures.

**4.5 V Batteries**  
(Optional external 24 V power supply)

**Dosing piston**  
Opens the check valve.  
Standard quantity 0.6 cm<sup>3</sup>



## ► The MEMO: Smart Programming

- The patented MEMO system gives you control over the lubricant output and can be modified at any time.
- The means of programming is independent of the lubricator pump assembly, which means programming remains unchanged until you decide to change it.

### Memo One/EM



- Only one screwable part specifies the lubrication program

### Memo HPS



- Programming the MEMO with the combination of 3 coloured rings: black, white & red and additional micro settings

### Visio Base



- Settings organised with the rotary encoder fixed on the Visio base

Visio Base	Standard 120 cm <sup>3</sup>	Mega 240 cm <sup>3</sup>	Giga 480 cm <sup>3</sup>	The MEMOLUB® cartridges	
<p>228 mm / 9.75 in</p> <p>147 mm / 6.56 in</p> <p>115 mm / 5.30 in</p> <p>24 mm</p>	<p>101 mm / 3.98 in</p>			<p>Standard 120 cm<sup>3</sup> model 5 rings</p>	<p>Mega 240 cm<sup>3</sup> model 10 rings</p>
					<p>Giga 480 cm<sup>3</sup> model 14 rings</p>

**NEW**

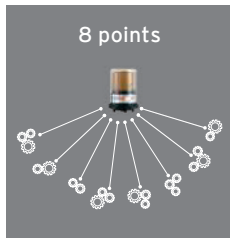
**PATENT PENDING**

# Memolub<sup>®</sup> VISIO 25 bar (350Psi) Single- or multi-point lubrication



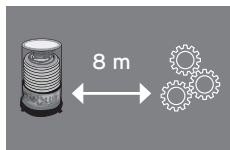
**VISIO**  
4,5V BATTERIES

**VISIO EP**  
EXTERNAL 24V - PLC - 4,5V BATTERIES



**> VISIO**

This highly versatile, fully autonomous model is battery powered and suitable for use in a variety of applications and environments. The VISIO provides the same automatic, accurate, and reliable lubrication typical with all MEMOLUB<sup>®</sup> models. However, in addition, the desired output frequency is set and stored at the VISIO BASE which also provides operation feedback via visual alerts.



**> VISIO EP**

The flexible VISIO EP can either be powered by internal battery or by an external 24V power source. This model is ideal in applications where you want your lubricator to turn on and off in concert with your equipment. The output programming for this model can be dialed in mechanically or achieved via your PLC. In both cases, the VISIO EP provides operation feedback via visual alerts.

Technical specifications		VISIO	VISIO EP
Cartridge volume		120 cm <sup>3</sup> /4 oz - 240 cm <sup>3</sup> /8.1 oz - 480 cm <sup>3</sup> /16.2 oz	
Output settings		9 main frequency settings	9 main frequency settings + 1 external setting (24V + PLCD)
Maximum stroke pressure		25 bar / 350 psi	
Batteries / Power		3 x 1.5 VDC Alkaline AA-LR6 batteries	External 24 V DC (6 DIN contact) batteries
Remote installation		Up to 8 m / single point - tubes Ø 8 mm	
Lubricants		Oil and grease (up to NLGI #2 with a base oil up to 1500 cSt)	
Temperature exposure range		-40°C/°F to 60°C/140°F	
Connections		1/4 BSP - 1/4NPT for US version	
Multi-point system		Progressive distributor block 2, 4, 6, 8 outlets	

\* Batteries + lubricant adapted to low temperatures

Encoder wheel MEMO settings										
Encoder wheel position	0	1	2	3	4	5	6	7	8	9
Stroke intervals	External	24 h	16 h	12 h	8 h	4 h	2 h	1 h	30 min	15 min
Daily output in cm <sup>3</sup>		0.6	0.9	1.2	1.8	3.6	7.2	14.4	28.8	57.6
Months to empty 120 cc		6	4	3	2	1	0.5	0.25	N/A	N/A
Months to empty 240 cc		12	8	6	4	2	1	0.5	0.25	N/A
Months to empty 480 cc		NA	NA	12	8	4	2	1	0.5	0.25

FOR EP MODELS

# Memolub<sup>®</sup> VISIO

## System with feedback and visual alerts

### ➤ The VISIO Pump: Powerful and Efficient

- Lubricant output pressure: 25 bar (350 psi)
- Capable of pumping high-viscosity lubricants
- Operates in extreme temperatures
- Provides precise metering with adjustable output.
- The VISIO pump is controlled and monitored exclusively by the VISO BASE.



### ➤ VISIO BASE: Intelligent Control, Monitoring, and Feedback

- Fast and easy programming using integrated encoder wheel.
- Program settings are fixed until you change them. No reprogramming at every changeout!
- Dispensing Range: 7 days to 2 years
- Translucent housing for easy viewing of indicator LED's
- Constant monitoring of the VISIO pump with visual status feedback.



### ➤ Operating status LED alert system

LED alerts		
Parameter	Situation	Colour
Motor / Gearbox	Damaged - Broken	Red
Batteries	Low <50% - blinking after stroke	Yellow
	Low <20% - Blinking	Yellow
Temperature T°	Abnormal	Blue
Pump	Pumping problems	Blue
Touchpad	Test	Green
Regular operations for VISIO EP	Blinks every 15 seconds	Green

# MEMOLUB® 25 bar

## Single or multiple points, reusable and remote lubrication system



**HPS**

4.5 V BATTERIES

**EPS**

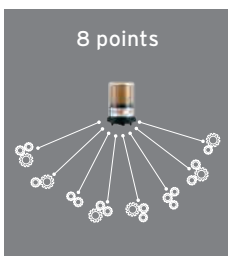
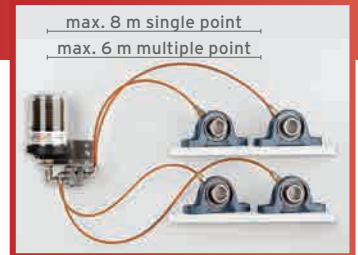
24 V EXTERNAL POWER SUPPLY

**EPS MEMORY**

**PLCD**

24 V POWER SUPPLY / PLC DRIVEN

\*Memolub HPS, EPS and PLCD pumps (modules) do not fit on the VISIO Bases

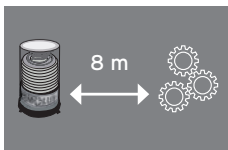


➤ **HPS**

A versatile, self-contained, battery powered model that can be used in a wide range of applications and environments. Provides precise and reliable automatic lubrication.

➤ **EPS - EPS MEMORY**

These are ideal in applications where production equipment is operating on an irregular basis, when more custom lubrication is required, or when battery power is not desired. The output frequency is programmed mechanically with The MEMO but can be adjusted at any time, and power to the unit is supplied externally. The EPS MEMORY is better suited for equipment that is frequently stopped.



➤ **PLCd**

Powered externally and designed to be controlled by customer's PLC. The perfect solution for OEM's.

### Technical specifications

	HPS	EPS 24V	PLCd
Cartridge volume	120 cm <sup>3</sup> /4 oz - 240 cm <sup>3</sup> /8.1 oz - 480 cm <sup>3</sup> /16.2 oz		
Output settings	7 main settings		Unlimited settings by PLC
Maximum stroke pressure	25 bar / 350 psi		
Batteries / Power supply	3 x 1.5 V DC Alkaline AA-LR6 batteries	External 24 V DC	External 24 V DC
Remote installation	Up to 10 metres / single point - Ø 8 mm external tubing		
Lubricants	Oil and Grease (up to NLGI #2 with an oil base between 100 and 460 cSt)*		
Temperature exposure range	-15°C/5°F to +50°C/122°F**		
Connections	1/4 BSP - 1/4NPT for US version		
Multi-point system	Progressive distributor block 2, 4, 6, 8 outlets		

\* For any other viscosity level please contact your distributor. \*\* Batteries + lubricant adapted for low temperatures.

### MEMO adjustments

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Stroke interval	1 h	3 h	6 h	12 h	18 h	24 h	48 h
Daily output in cm <sup>3</sup>	14.4	7.2	2.4	1.2	0.9	0.6	0.3
Months to empty 120 cm <sup>3</sup>	1 week	2 weeks	1.5	3	4	6	12
Months to empty 240 cm <sup>3</sup>	2 weeks	1	3	6	8	12	24*
Months to empty 480 cm <sup>3</sup>	1	2	6	12	16	24*	-

\* Only with MEMOLUB® EPS.

# MEMOLUB® 10 bar

## Single-point, reusable and remote lubrication system



**EM**

2 SETTINGS

**ONE**

4 SETTINGS

\*Memolub EM and ONE pumps (modules) do not fit on the VISIO Bases

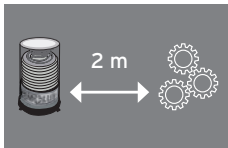
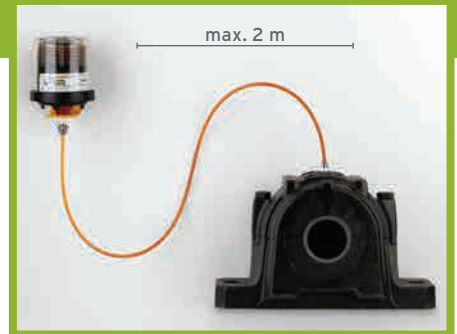


### ➤ EM

120cc model. Designed specifically for controlled micro-lubrication. Specially suited for applications requiring frequent but limited lubricant volume: small bearings, linear guides, chains, electric motors, etc.

### ➤ ONE

240cc model. Ideally suited for difficult environments where the lubricant must also plan an even more protective role. Can be used in all types of applications.



All our 10 bar models are battery operated.

### Technical specifications

	EM	ONE
Cartridge volume	120 cm <sup>3</sup> /4 oz	240 cm <sup>3</sup> /8.1 oz
Settings	12 or 24 months	1, 3, 6 or 12 months
Maximum stroke pressure	10 bar / 140 psi	
Batteries	3 x 1.5 V DC Alkaline batteries	
Remote installation	Up to 2 metres – ø 8 mm external tubing	
Lubricants	Oil and Grease (up to NLGI #2 with an oil base between 100 and 460 cSt)*	
Temperature exposure range	-15°C/5°F to +50°C/122°F**	
Connections	1/4 BSP - 1/4NPT for US version	

\* For any other viscosity level please contact your distributor. \*\* Batteries + lubricant adapted for low temperatures.

### MEMO adjustments

	EM		ONE			
Adjustments	2 years	1 year	1 year	6 months	3 months	1 month
Average daily output	0.15 cm <sup>3</sup> /day	0.3 cm <sup>3</sup> /day	0.6 cm <sup>3</sup> /day	1.2 cm <sup>3</sup> /day	2.4 cm <sup>3</sup> /day	7.2 cm <sup>3</sup> /day

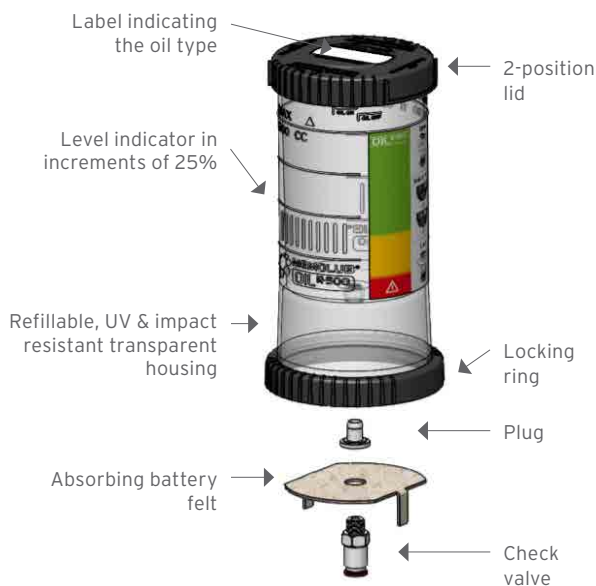
# Memolub® OIL R-500

## Refillable system for oil applications



### › Refillable system for oil applications

- Ideal add-on for all oil applications, including chain and rack lubrication
- Compatible with all MEMOLUB® models
- The MEMOLUB® Oil R-500 is a refillable, reusable reservoir taking the place of the lube cartridge.
- Two-position lid for safe functioning and servicing. No risk of leaks.
- Compatible with all oil types (including polyglycol) ranging in viscosity from ISO VG 22 to 4000.



### › Technical data

- Volume: 500 cc / 17 fl oz.
- Dimensions: 308 x 101 x 100 mm.
- Batteries to be changed every 500ml (ONE - HPS - VISIO).

Note: ONE, HPS, VISIO models are powered with batteries

### › Compatible with models



**ONE**

**HPS**

**EPS**

**PLCD**

**VISIO**

**VISIO EP**

# Memolub<sup>®</sup> DS

## Decentralized lubrication system



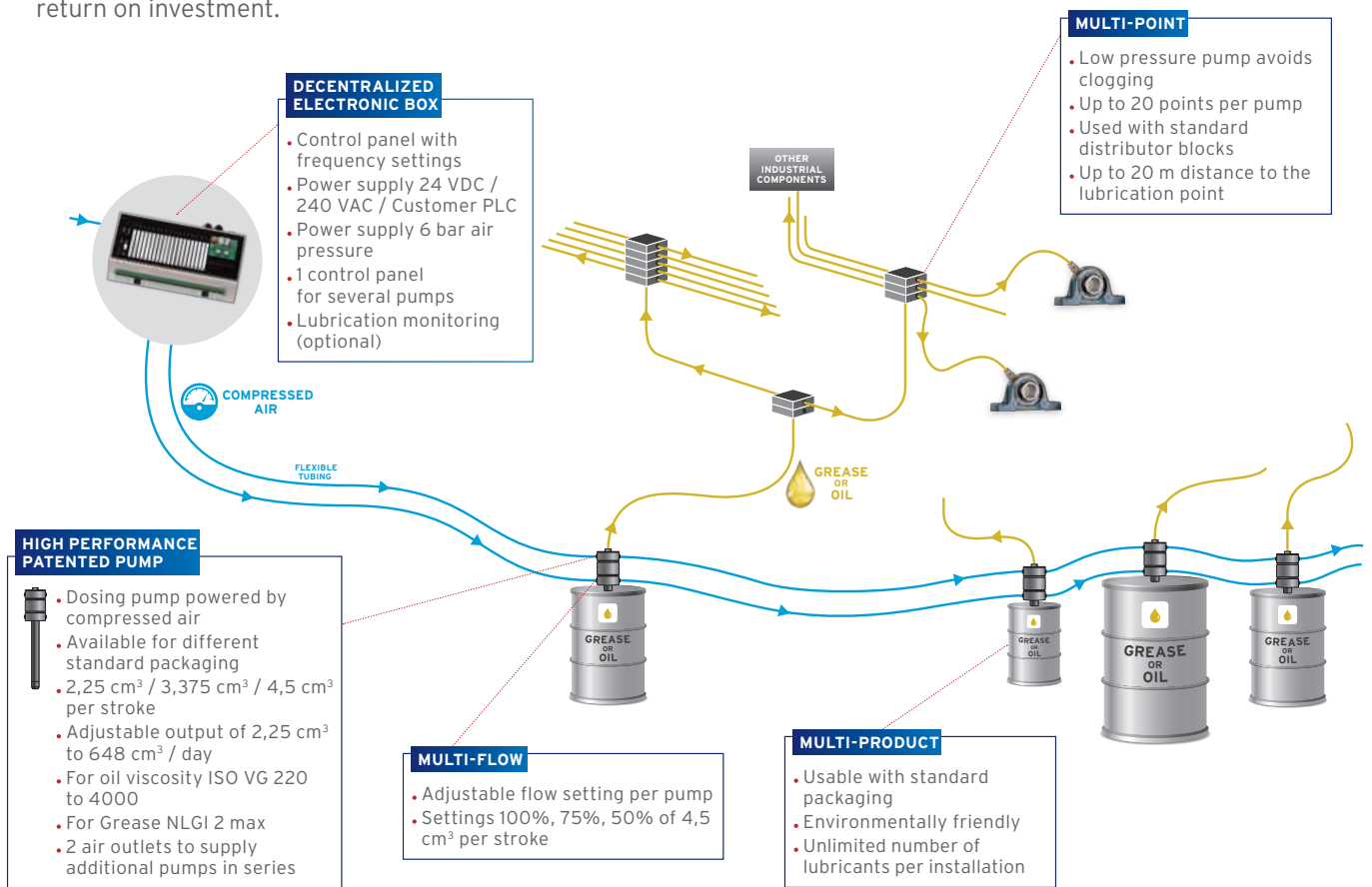
### ➤ Why MEMOLUB<sup>®</sup> DS

- Low pressure lubrication system.
- Multi-setting dosing pump.
- Simple usage.
- For all types of industries.

The Memolub DS lubrication system is based on pressurized air technology, and this is a perfect fit for applications where essential quantities of lubricant are needed.

DS is designed to preserve the lubricant's performance. This low-pressure system prevents lubricant deterioration while allowing lubrication up to 20 delivery points.

Affordable installation, user-friendliness, and reduced maintenance costs guarantee quick handling and return on investment.



# Accessories



## DISTRIBUTOR KIT



DB kit from 2 to 12 points

## INSTALLATION ACCESSORIES



For single- & Multi-point

## BRUSHES AND KIT



Brushes for chain lubrication

## CRANE RAIL



Overhead crane system

## SPRAY NOZZLE



For open gear lubrication

## LUBRICATION PINIONS



For rack lubrication

## PROXIMITY & LIMIT SWITCH



Lubrication sensor

## PROTECTION COVER



In difficult environments, water, salt

## UTILITIES



Installation tools

## PREFILLED TUBING



For remote installations

## SPARE PARTS



See our online catalogue

## ADAPTORS



Adaptors for lube points

# Typical applications



- Critical components.
- Hard to reach or dangerous access points.
- Accurate greasing.
- High greasing frequency.
- Lubrication without machine downtime.

**MEMOLUB®**  
systems are  
synonymous



with quality and reliability, and  
we have a presence in more than  
60 countries worldwide.



**GANTRY ROBOT**



**STEEL INDUSTRY**



**CHAIN LUBRICATION**



**AGGRESSIVE ENVIRONMENTS**



## Electrical characteristics

	EM	ONE	HPS	EPS 24 V	PLCd	VISIO	VISIO EP
Power supply	Int.	Int.	Int.	Ext.	Ext.	Int.	Ext./Int.
Input voltage	4.5 V DC	4.5 V DC	4.5 V DC	24 V DC	24 V DC	4.5 V DC	24VDC / 4.5VDC
Input current	-	-	-	< 0.5 A	< 0.5 A	-	0.5 A
Short circuit protection	ok	ok	ok	ok	ok	ok	ok
Min. time between strokes	2 days	2 hours	1 hours	1 hours	10 minutes	15 minutes	15 minutes
Max. cable length	NA	NA	NA	10 m	10 m	NA	10 m
Power cable	NA	NA	NA	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	NA	6 x 0.25 mm <sup>2</sup>

## 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:

Type of installation	Distance*
Single-point	10 meters
Splitter (2 outlets)**	6 meters
Distributor block (4 - 8 outlets)**	6 meters

\* Laboratory test under the following conditions:  
 - With multifunctional grease grade NLGI2  
 - With pipes of dimensions 6/8 mm in Rilsan  
 - At an ambient temperature between 10°C and 20°C

\*\* Splitter and Distributor block: Models distributed by MEMOLUB®

NB : For any installation that differs significantly from the above conditions, please refer to your MEMOLUB® distributor.

Wiring Visio EP	Communication EP	
6 DINx0,25, 2m	PORT	SIGNAL
<p>Male socket</p>	<p>V<sub>IN</sub> - User input</p>	
<p>Female plug</p>	<p>Lube outlet 1/4"</p>	
	<p>OC output:                      · Normal                      · Default                      · Failure</p>	

## YOUR DEALER



FOR ALL  
**TECHNICAL DATA  
 & USER GUIDE**