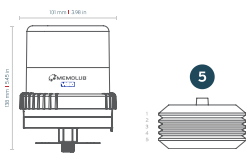


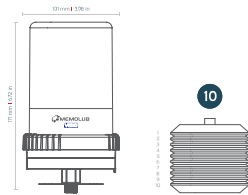
# MEMOLUB® VISIO KNOWLEDGE BASE

## DIMENSIONS

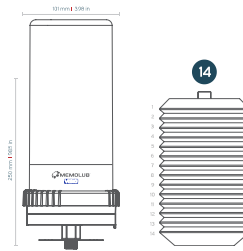
*Standard*  
120cc | 4oz



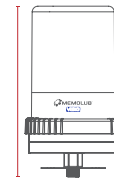
*Mega*  
240cc | 8.1oz



*Giga*  
480cc | 16.2oz



*OIL R-500*  
500cc | 16.9oz



## PRECAUTIONS

- Do not open the housing: loaded spring
- Hold MEMOLUB® down during manual checks
- Leq <70 dB
- Use MEMOLUB® only for greasing machinery
- Use only lubricant cartridges and batteries recommended by the manufacturer



## INSIDE THE BOX



MEMOLUB® VISIO Pump



MEMOLUB® Housing Kit



MEMOLUB® VISIO Base

## SETTINGS & FEEDBACK

### FREQUENCY SETTINGS

From serial numbers VIS-XX-XXXX					
WHEEL POSITION	DOSING PERIODICITY	MAX. DAILY OUTPUT*	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (120CC)	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (240CC)	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (480CC)
0			-		
1	48 hours	0.3 cc/day	12 months	24 months**	48 months**
2	24 hours	0.6 cc/day	6 months	12 months	24 months**
3	16 hours	0.9 cc/day	4 months	8 months	16 months**
4	12 hours	1.2 cc/day	3 months	6 months	12 months
5	8 hours	1.8 cc/day	2 months	4 months	8 months
6	6 hours	2.4 cc/day	1.5 month	3 months	6 months
7	4 hour	3.6 cc/day	1 month	2 months	4 months
8	2 hour	7.2 cc/day	0.5 month	1 month	2 months
9	1 hour	14.4 cc/day	0.25 month	0.5 month	1 month

\*Maximum daily output without stroke washers.

\*\* Please consider lubricant expiry date for long cartridge lifetimes.

### FREQUENCY SETTINGS

For all other serial numbers					
WHEEL POSITION	DOSING PERIODICITY	MAX. DAILY OUTPUT*	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (120CC)	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (240CC)	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (480CC)
0			-		
1	24 hours	0.6 cc/day	6 months	12 months	24 months**
2	16 hours	0.9 cc/day	4 months	8 months	16 months
3	12 hours	1.2 cc/day	3 months	6 months	12 months
4	8 hours	1.8 cc/day	2 months	4 months	8 months
5	4 hours	3.6 cc/day	1 month	2 months	4 months
6	2 hours	7.2 cc/day	0,5 month	1 month	2 months
7	1 hour	14.4 cc/day	0,25 month	0,5 month	1 month
8	1/2 hour	28.8 cc/day	4 days	0,25 month	0,5 month
9	1/4 hour	57.6 cc/day	2 days	4 days	0,25 month








\*Maximum daily output without stroke washers.

\*\*Please consider lubricant expiry date for long cartridge lifetimes.


## VOLUME SETTINGS [CM<sup>3</sup>/DAY]

### From serial numbers VIS-XX-XXXX

By using stroke washers you can adjust the amount of lubricant discharged per pumping cycle.

NUMBER OF STROKE WASHERS	WHEEL POSITION									
	0	1	2	3	4	5	6	7	8	9
-	N/A	0.3	0.6	0.9	1.2	1.8	2.4	3.6	7.2	14.4
	N/A	0.28	0.56	0.84	1.12	1.7	2.2	3.4	6.7	13.5
	N/A	0.26	0.52	0.79	1.04	1.62	2.1	3.15	6.3	12.6
2 	N/A	0.24	0.49	0.73	0.98	1.46	1.95	2.92	5.85	11.7
3 	N/A	0.22	0.45	0.67	0.9	1.35	1.8	2.7	5.4	10.8
4 	N/A	0.2	0.41	0.62	0.82	1.23	1.65	2.47	4.95	9.9
5 	N/A	0.18	0.37	0.55	0.74	1.1	1.5	2.2	4.5	9
6 	N/A	0.17	0.34	0.5	0.68	1	1.35	2.02	4.05	8.1








\*The circlip must always be added on top of the washers.

 The circlip must always be added on top of the washers.

## VOLUME SETTINGS [CC/DAY]




### For all other serial numbers

By using stroke washers you can adjust the amount of lubricant discharged per pumping cycle.

NUMBER OF STROKE WASHERS	WHEEL POSITION									
	0	1	2	3	4	5	6	7	8	9
-	N/A	0.6	0.9	1.2	1.8	3.6	7.2	14.4	28.8	57.6
	N/A	0.56	0.84	1.12	1.69	3.4	6.7	13.5	27	54
	N/A	0.52	0.79	1.04	1.58	3.15	6.3	12.6	25.2	50.4
2 	N/A	0.49	0.73	0.98	1.46	2.92	5.85	11.7	23.4	46.8
3 	N/A	0.45	0.67	0.9	1.35	2.7	5.4	10.8	21.6	43.2
4 	N/A	0.41	0.62	0.82	1.24	2.47	4.95	9.9	19.8	39.6
5 	N/A	0.37	0.56	0.74	1.1	2.2	4.5	9	18	36
6 	N/A	0.34	0.51	0.68	1	2.02	4.05	8.1	16.2	32.4





## VISUAL FEEDBACK

### From serial numbers VIS-XX-XXXX

COLOR	STATUS
	The testrun has been activated through pushbutton . / The pumping cycle ran successfully.
	Battery low / Lubricant cartridge empty.
	The gearbox/motor is damaged or broken. / The pipe may be clogged.

## VISUAL FEEDBACK

### For all other serial numbers

COLOR	STATUS
	The gearbox motor is damaged or broken. The tube might be clogged.
	The battery is low.
	Abnormal temperature is detected or there is an issue with the pump.
	The testrun activation via the touchpad was successful.

## REMOTE INSTALLATION DISTANCES

TYPE OF INSTALLATION	MAXIMUM DISTANCE
Single point	8m
Multipoint with 2 outlets	6m
Multipoint with 4 outlets	6m

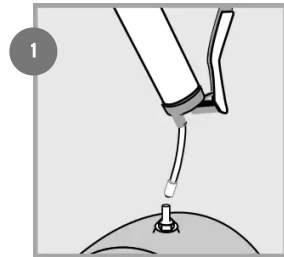
## SPECIFICATIONS

### ELECTRIC SPECIFICATIONS

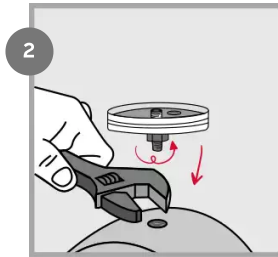
	MEMOLUB® VISIO
Power Source	Battery
Voltage	4.5V DC (3x1.5V DC AA)
Short circuit protection	Yes
Stroke duration	8 seconds
Minimum stroke interval	15 minutes

## INSTALLATION GUIDELINES

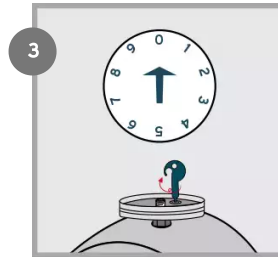
### DIRECT INSTALLATION



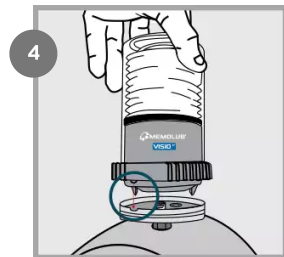
1 Prime lube point and remove nipple.



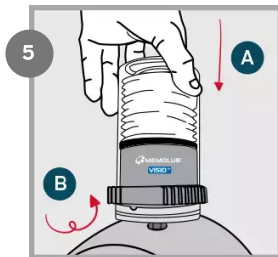
2 Install VISIO Base using a strong threadlocker (BSP 1/4).



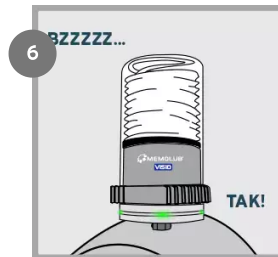
3 With setting key, choose wheel position according to "Settings" table above.



4 Align the pin of VISIO Module with the notch of VISIO Base.

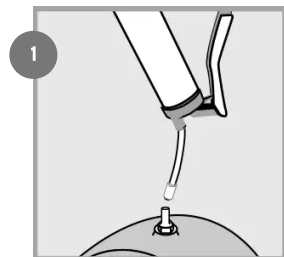


5 Screw tightly keeping the assembly aligned.

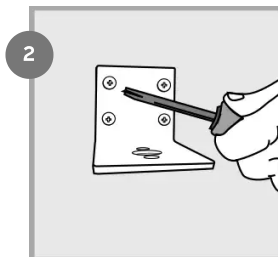


6 VISIO initializes, flashes each color on, and makes one expulsion. Green lights confirm normal operation.

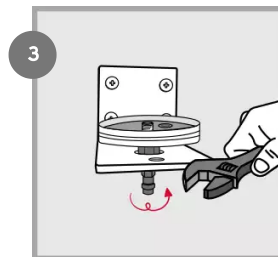
### REMOTE INSTALLATION



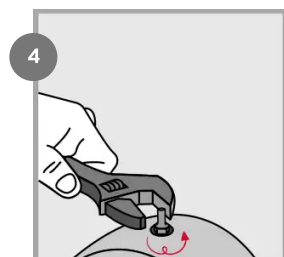
1 Prime lube point and remove nipple.



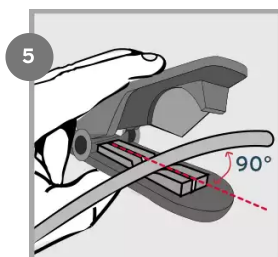
2 Secure the mounting bracket.



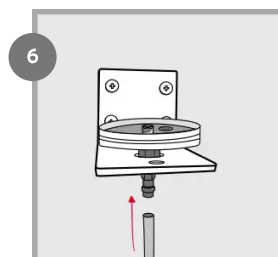
3 Install VISIO Base and F1/4 fitting on bracket using a strong threadlocker.



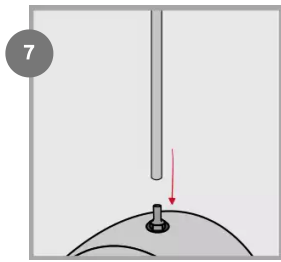
4 Install BSP 1/8 fitting on lube point.



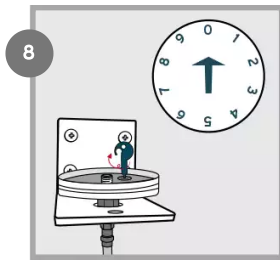
5 Cut hose to required size.



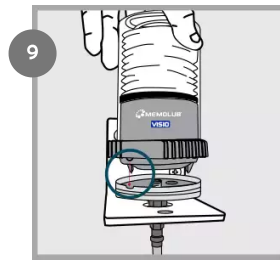
6 Insert hose into bracket's quick fitting.



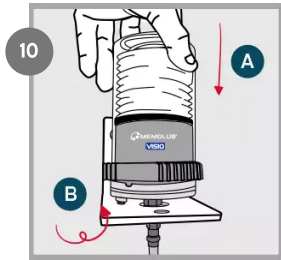
Insert hose into lube point's quick fitting.



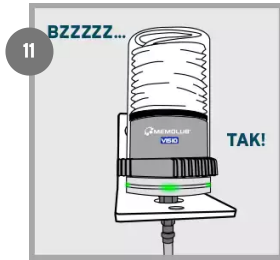
With setting key, choose wheel position according to "Settings" table above.



Align the pin of VISIO Module with the notch of VISIO Base.

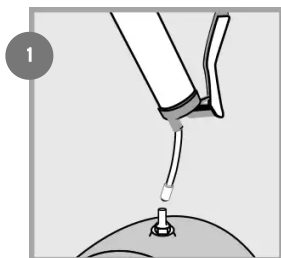


Screw tightly keeping the assembly aligned.

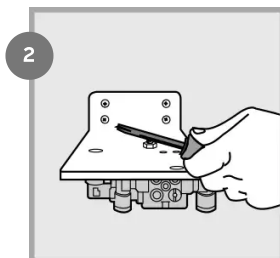


VISIO initializes, flashes each color on, and makes one expulsion. Green lights confirm normal operation.

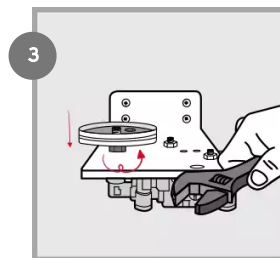
## MULTIPOINT INSTALLATION



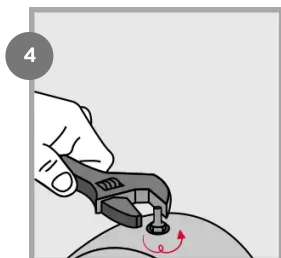
Prime lube point and remove nipple.



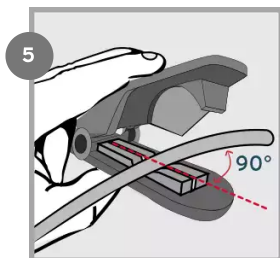
Secure the mounting bracket.



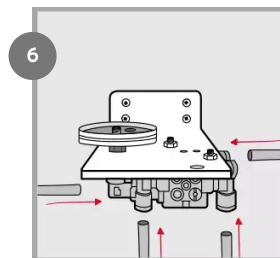
Install VISIO Base and F1/4 fitting on bracket using a strong threadlocker.



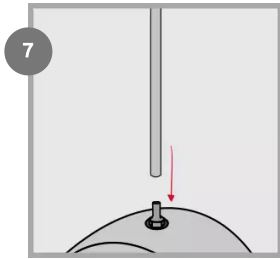
Install BSP 1/8 fitting on lube point.



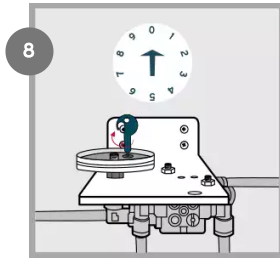
Cut the hoses to required size.



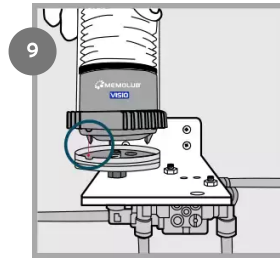
Insert hoses into bracket's quick fittings.



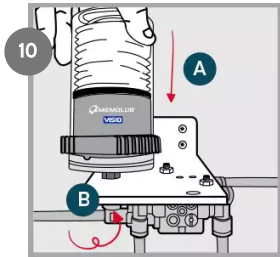
7  
Insert hoses into lube points' quick fittings.



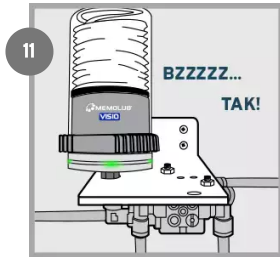
8  
With setting key, choose wheel position according to "Settings" table above.



9  
Align the pin of VISIO Module with the notch of VISIO Base.



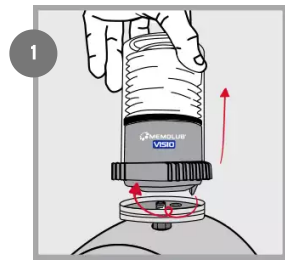
10  
Screw tightly keeping the assembly aligned.



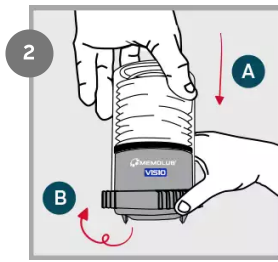
11  
VISIO initializes, flashes each color on, and makes one expulsion. Green lights confirm normal operation.



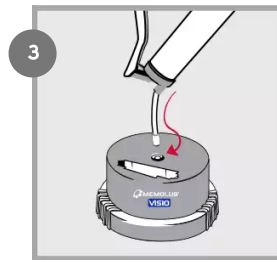
## CARTRIDGE REPLACEMENT GUIDELINES



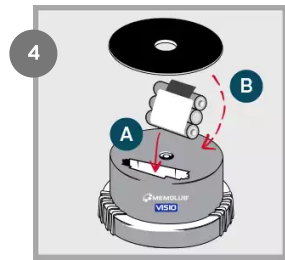
1 Remove VISIO Module from VISIO Base.



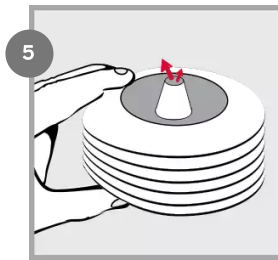
2 Open VISIO Module (fingers on ribs).



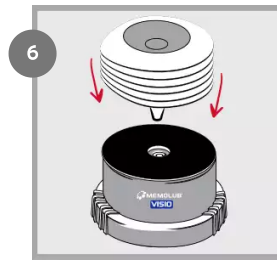
3 Prime VISIO Pump.



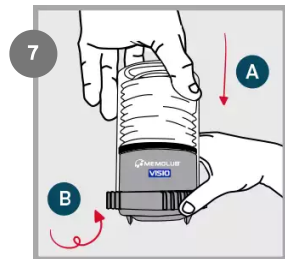
4 Insert new battery pack and seal. NOTE: the battery seal can be removed for 480cc cartridges



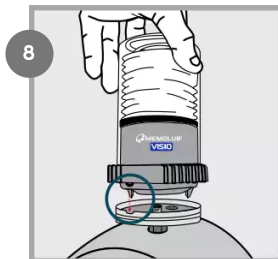
5 Squeeze air out of the cartridge.



6 Replace the cartridge on VISIO Pump.



7 Close and lock VISIO Module (fingers on ribs).



8 Align the pin of VISIO Module with the notch of VISIO Base.

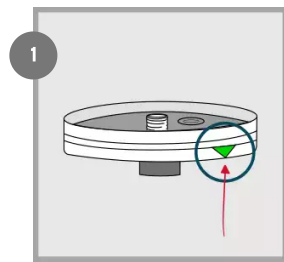


9 Screw tightly keeping the assembly aligned.



10 VISIO initializes, flashes each color on, and makes one expulsion. Green light confirms proper functioning.

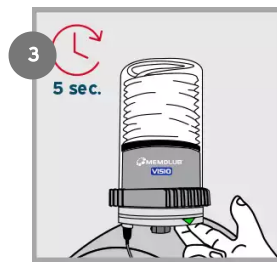
## CHECK FUNCTION



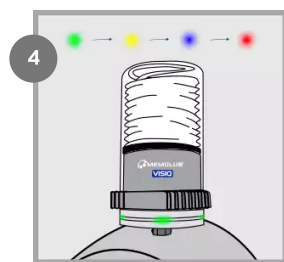
1  
Locate the green triangular touchpad



2  
Keep your fingers under VISIO Base, below the triangular sign. Blinking of the 4 green lights confirm activation of the touchpad.



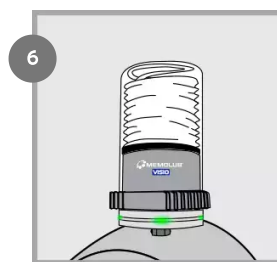
3  
Once the total touch duration has reached 5 sec, the 4 green lights are turned on simultaneously for 1s.



4  
VISIO initializes, flashing each color on successively.



5  
VISIO makes 1 expulsion.








6  
After scanning all parameters, VISIO flashes green lights in case of normal operation. For any other colors, please refer to the FAQ section.

## LEARNING PERIOD

The VISIO is equipped with machine learning capabilities, allowing to take into account the environmental conditions in the status computation. There is a learning period of 20 cycles during which the lubricator must keep in the same environment, with no change in position, fastening, support or grease type. Should there be any modification of these parameters, the learning process can be redone by pushing on the pushbutton for more than 5 sec.

## REGULATORY INFORMATION

SYMBOL	DESCRIPTION
	This product is compliant with Directives 2006/42/EC (Machinery). The relevant Declaration of Conformity is available <a href="https://memolub.eu/assets/uploads/Support/Visio/DoC-CE-VISIO-HPS-2023.pdf">here</a> [https://memolub.eu/assets/uploads/Support/Visio/DoC-CE-VISIO-HPS-2023.pdf].
	This product is compliant with UK regulations 2008 No. 1597 (Supply of Machinery). The relevant Declaration of Conformity is available <a href="https://memolub.eu/assets/uploads/Support/Visio/DoC-UKCA-VISIO-HPS-2023.pdf">here</a> [https://memolub.eu/assets/uploads/Support/Visio/DoC-UKCA-VISIO-HPS-2023.pdf].
	This product is compliant with customs union technical regulation TR CU 010/2011 (safety of machines and equipment). The relevant Declaration of Conformity is available <a href="https://memolub.eu/assets/uploads/Support/Visio/DoC-EAC-VISIO-HPS-2023.pdf">here</a> [https://memolub.eu/assets/uploads/Support/Visio/DoC-EAC-VISIO-HPS-2023.pdf].
	The WEEE symbol is attached to the product in compliance with the EU directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE). It is intended to deter the improper disposal of this product and to promote reuse and recycling.
	The packaging material can be recycled. Please arrange for the environmental appropriate disposal of the packaging.

## FAQ

### Nothing happens after screwing the module on the base.

- The pin of the module is possibly not proper aligned with the notch of the base. Unscrew the module from the base, align correctly and screw it again.
- VISIO Module is not tightly screwed to VISIO Base. Turn it clockwise until stop.
- There is possibly no battery inside the module. Insert 3x 1,5 VDC AA batteries to resolve the issue.
- There is possibly something obstructing the communication between the base and the module contacts. Unscrew the module from the base, remove any dust or obstacles from the base and the module contacts and screw back together tightly.

### The touchpad does not work after initialisation was completed successfully.

Your MEMOLUB® VISIO possibly initialized in an unstable environment. Unscrew the base from the module and screw again to reset the system. Wait until one expulsion is performed and you observe green lights, indicating the initialization is complete.

### The red lights are blinking periodically.

- There is possibly a too high back pressure present in the system. Inspect your downstream piping to remove any clogging or jam. Activate the touchpad and check for at least 2 expulsions if the systems operate fine.
- There is possibly something obstructing the communication between the base and the module contacts. Unscrew the module from the base, remove any dust or obstacles from the base and the module contacts and screw back together tightly.
- The motor is broken. Replacement of the module is necessary.

### The yellow lights are blinking periodically.

- There is possibly something obstructing the communication between the base and the module contacts. Unscrew the module from the base, remove any dust or obstacles from the base and the module contacts and screw back together tightly.
- The batteries are empty. Replacement of the battery pack is necessary.

### **The blue lights are blinking periodically.**

- The cartridge is possibly out of grease. Replacement of the cartridge is necessary.
  - The system is not primed. Prime the system using a manual grease pump.
  - The system is operating out of its minimum and maximum temperature range. Please make sure the system is operating within the recommended temperature range.
-