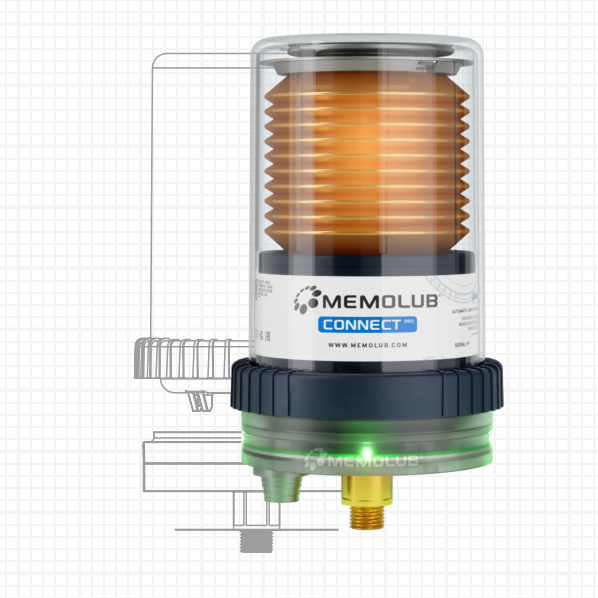


MEMOLUB CONNECT SERIES TECHNICAL DATA SHEET

MEMOLUB.COM

INTRODUCTION

At a glance

MEMOLUB CONNECT PRO is an electro-mechanical lubrication system for single-point and multi-point applications. It is available in three grease cartridge sizes (120cc, 240cc, 480cc) and one refillable oil container (OIL-R500, 500cc), making it suitable for both grease and oil lubrication requirements.

The unit operates on a battery pack or an external power supply between 6 and 36 VDC. Its two-component design separates serviceable parts (replaceable cartridge or refillable container, batteries) from the permanently installed settings, allowing maintenance without disturbing the configuration at the lubrication point.

With an ejection pressure of 25 bar, the system covers applications beyond the range of conventional lubrication systems. Using a progressive distributor block (available as an accessory), it supports up to 8 grease points or 12 oil points simultaneously. The unit mounts directly on the lubrication point or remotely via pipe or flexible tubing.

Connectivity and remote monitoring

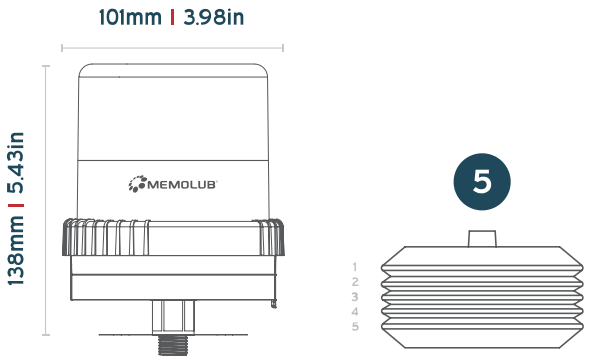
MEMOLUB CONNECT PRO integrates Bluetooth and LoRaWAN connectivity. The Bluetooth app provides on-site access to device status and settings. LoRaWAN enables full remote access: monitoring, alerts, and settings adjustment from any location. Memolub offers a ready-to-use platform, and integration into customer-owned LoRaWAN platforms is supported.

All-directional, high-visibility LEDs indicate device status locally. The system monitors pump operation, battery level, and cartridge fill level. Alerts are accessible via the Bluetooth app and the LoRaWAN platform, with automatic email notification on alarm detection. Internal temperature is also readable through both platforms. A test button at the base of the unit allows manual verification.

DIMENSIONS

120CC
Grease / Oil Cartridge
120cc I 4oz

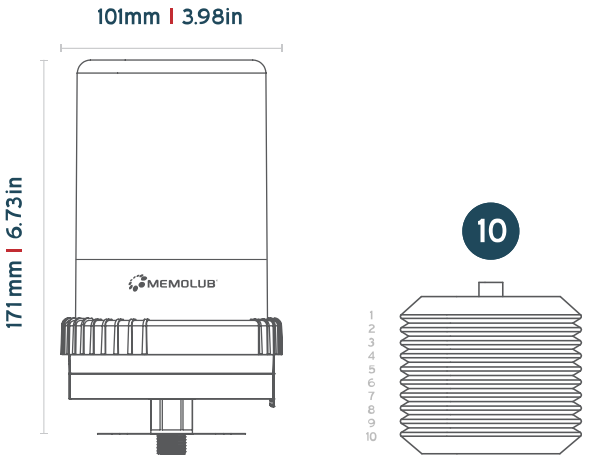
240CC
Grease / Oil Cartridge
240cc I 8.1oz



480CC

Grease / Oil Cartridge

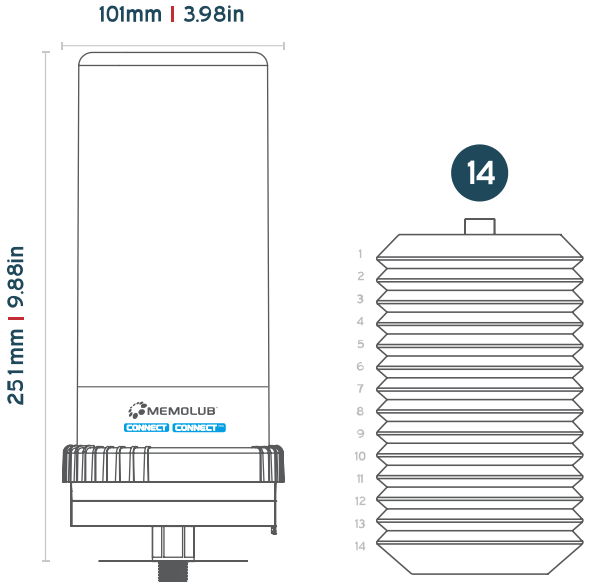
480cc I 16.2oz

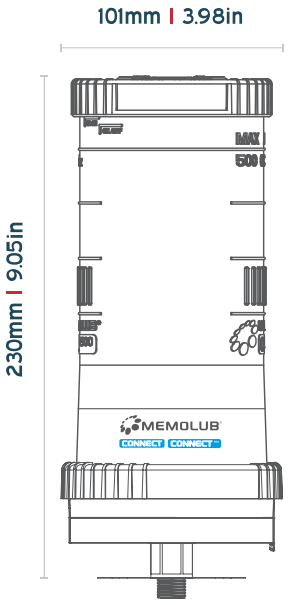


OIL R-500

Refillable Oil Reservoir

500cc I 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

SETTINGS & FEEDBACK

FREQUENCY SETTINGS

The below table relates to the settings available in the periodic mode of lubrication.

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	External (Interface / App)				
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.

VOLUME SETTINGS [CM³/DAY]

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
-	External (Interface / App)	0.3	0.6	0.9	1.2	1.8	2.4	3.6	7.2	14.4
C	External (Interface / App)	0.28	0.56	0.84	1.12	1.7	2.2	3.4	6.7	13.5
O + C	External (Interface / App)	0.26	0.52	0.79	1.04	1.62	2.1	3.15	6.3	12.6
2 O + C	External (Interface / App)	0.24	0.49	0.73	0.98	1.46	1.95	2.92	5.85	11.7
3 O + C	External (Interface / App)	0.22	0.45	0.67	0.9	1.35	1.8	2.7	5.4	10.8
4 O + C	External (Interface / App)	0.2	0.41	0.62	0.82	1.23	1.65	2.47	4.95	9.9
5 O + C	External (Interface / App)	0.18	0.37	0.55	0.74	1.1	1.5	2.2	4.5	9
6 O + C	External (Interface / App)	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.

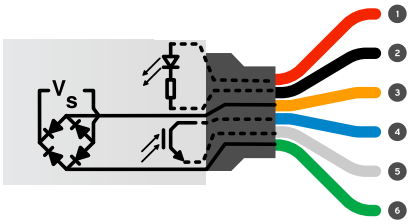
The circlip must always be added on top of the washers.

1ST GENERATION (SERIAL NUMBERS CNP-XX-XXXX)	
COLOR	STATUS
🟢	The pumping cycle was completed successfully, or a test run was initiated via the pushbutton.
🟡	The batteries are low, or the lubricant cartridge is empty.
🔴	The gearbox or motor is damaged or malfunctioning, or the pipe may be clogged.
🔵	A data connection has been established successfully.

REMOTE INSTALLATION DISTANCES

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

CABLE

MEMOLUB CONNECT PRO	
DESCRIPTION	
1. EXTERNAL INPUT (OPTOCOUPLER INPUT +)	
2. EXTERNAL INPUT (OPTOCOUPLER INPUT -)	
3. POWER SUPPLY + (24VAC/DC)*	
4. STATUS OUTPUT (OPTOCOUPLER COLLECTOR)	
5. STATUS OUTPUT (OPTOCOUPLER EMITTER)	
6. POWER SUPPLY - (0VDC)	

* Operating voltage ranges from 6 to 36 VDC

The Connect Pro is delivered with a 6 x 0.25mm² cable with a 6DIN M16 female connector.