

HPS HPS PLUS HPS BLUE

MEMOLUB HPS SERIES USER MANUAL

MEMOLUB.COM

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

FREQUENCY SETTINGS

HPS, HPS PLUS

MEMO COLOR COMBINATION	DOSING PERIODICITY	MAX. DAILY OUTPUT*	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (120CC)	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (240CC)	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (480CC)
○ + ○ + ○	1 hour	14.4 cm3/day	0.25 month	0.5 month	1 month
○ + ○	2 hours	7.2 cm³/day	0.5 month	1 month	2 months
○ + ○	6 hours	2.4 cm³/day	1.5 months	3 months	6 months
○	12 hours	1.2 cm³/day	3 months	6 months	12 months
○ + ○	16 hours	0.9 cm³/day	4 months	8 months	16 months
○	24 hours	0.6 cm³/day	6 months	12 months	-
○	48 hours	0.3 cm³/day	12 months	-	

*Maximum daily output without stroke washers.

HPS BLUE

	DOSING PERIODICITY	MAX. DAILY OUTPUT*	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (120CC)	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (240CC)	REFILLING FREQUENCY VS. CARTRIDGE CONTENT (480CC)
	1 hour	14.4 cm³/day	0.25 month	0.5 month	1 month
	2 hours	7.2 cm³/day	0.5 month	1 month	2 months
	6 hours	2.4 cm³/day	1.5 months	3 months	6 months
	12 hours	1.2 cm³/day	3 months	6 months	12 months
	16 hours	0.9 cm³/day	4 months	8 months	16 months
	24 hours	0.6 cm³/day	6 months	12 months	-
	48 hours	0.3 cm³/day	12 months	-	-
	Custom**	57,6cm³/day***	-		

*Maximum daily output without stroke washers.

** Value to be set as minutes in the app. Example: 1h30 = 90 minutes.

***A stroke interval of minimum 15 minutes is recommended.

VOLUME SETTINGS [CC/DAY]

The brass adaptor is an extension of the MEMOLUB pump cylinder. One end features a short 1/4G thread, while the other has a longer M12x1.50 thread. The larger bore continues the pump cylinder and allows for the insertion of washers to adjust the piston stroke. This adjustment determines the volumetric setting of the MEMO.

When used without any washers (full piston stroke), the MEMO delivers 0.6 cc of lubricant per stroke. Each washer added to the MEMO reduces the stroke volume by approximately 0.0375 cc. The open washer (clip) must be installed last to hold the other washers in place. A maximum of seven washers, including the open washer, can be installed in the MEMO.

NUMBER OF STROKE WASHERS*	MEMO RINGS COMBINATION						
	+ +	+	+		+		
	14.4 cm³	7.2 cm³	2.4 cm³	1.2 cm³	0.9 cm³	0.6 cm³	0.3 cm³
	13.5 cm³	6.75 cm³	2.25 cm³	1.13 cm³	0.84 cm³	0.56 cm³	0.28 cm³
+	12.6 cm³	6.3 cm³	2.1 cm³	1.05 cm³	0.79 cm³	0.53 cm³	0.26 cm³
2 +	11.7 cm³	5.85 cm³	1.95 cm³	0.97 cm³	0.73 cm³	0.49 cm³	0.24 cm³
3 +	10.8 cm³	5.4 cm³	1.8 cm³	-	0.68 cm³	0.45 cm³	0.22 cm³
4 +	9.9 cm³	4.95 cm³	1.65 cm³	-		0.41 cm³	0.21 cm³
5 +	9 cm³	4.5 cm³	1.5 cm³	-		0.38 cm³	0.19 cm³
6 +	8.1 cm³	4.05 cm³	1.35 cm³	-		0.34 cm³	0.17 cm³

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

INSTALLATION

REMOTE INSTALLATION DISTANCES

TYPE OF INSTALLATION	MAXIMUM DISTANCE*
Single point	8m
Multipoint with 2 outlets	6m
Multipoint with 4 outlets	
Multipoint with 6 outlets	
Multipoint with 8 outlets	
Multipoint with 10 outlets	Contact your distributor.
Multipoint with 12 outlets	

*The maximum distances are valid for a variety of greases with a consistency level up to NGLI2. For oils, we generally consider the same distances multiplied by a factor 2.

MEMOLUB HPS BLUE

APP INSTALLATION GUIDE

The Memolub App is used to configure your Memolub HPS BLUE lubricator. Please learn all about it in our on the Memolub App support & knowledge page.

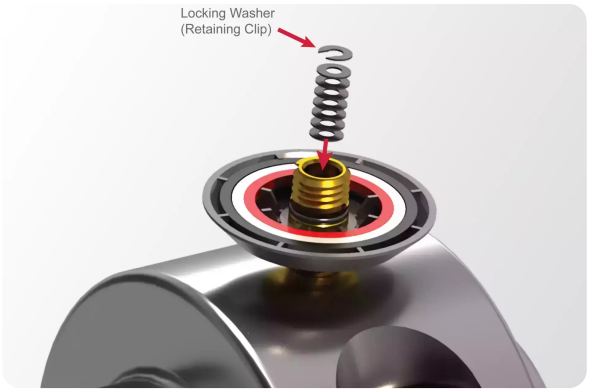
FIND OUT MORE



MEMO INSTALLATION GUIDE







HPS MEMO ASSEMBLY (HPS, HPS PLUS)

1. Press the timing ring holder on the brass fitting

2. Insert the o-ring in the seal groove of the brass fitting

3. To adjust the pumping frequency, insert the right combination of rings according to the "Settings" table above.

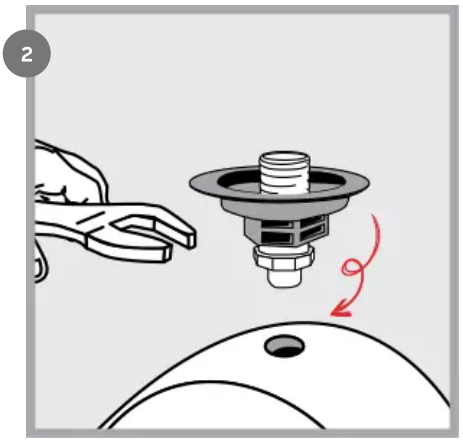
4. Optional : To adjust the nominal dose, insert the right number of stroke washers according to the "Settings" table above

INSTALLATION GUIDELINES

DIRECT INSTALLATION (HPS, HPS PLUS)



Prime lube point and remove nipple.



Install Memo on lube point.

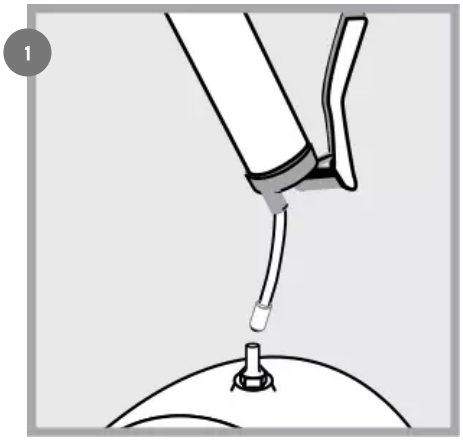


Install MEMOLUB HPS on Memo.

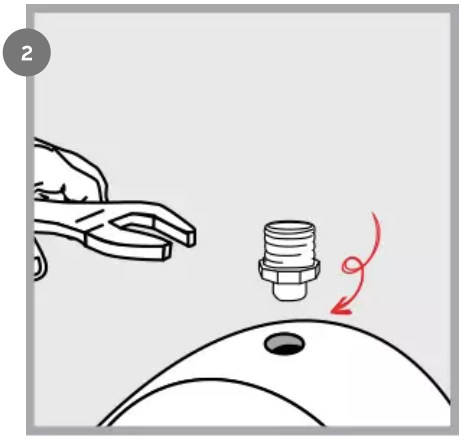


MEMOLUB HPS works immediately.

DIRECT INSTALLATION (HPS BLUE)



Prime lube point and remove nipple.



Install brass fitting on lube point.

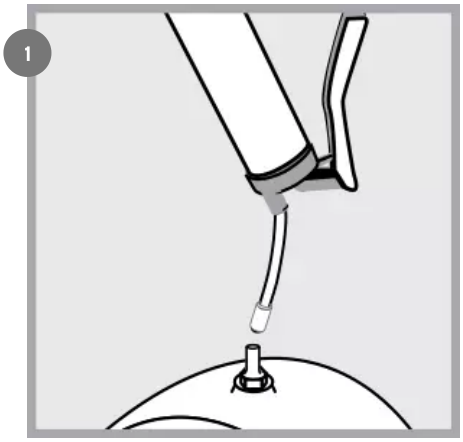


Install MEMOLUB HPS BLUE on the brass fitting.

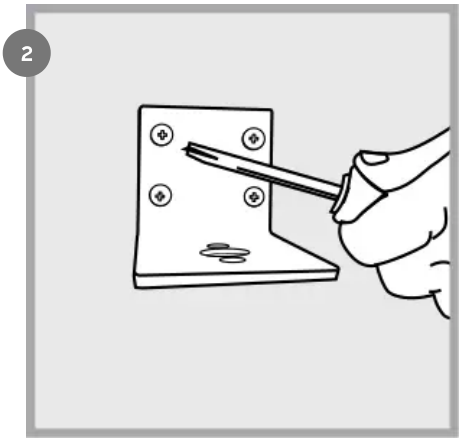


Setup using the MEMOLUB App, Memolub HPS works imediatelly

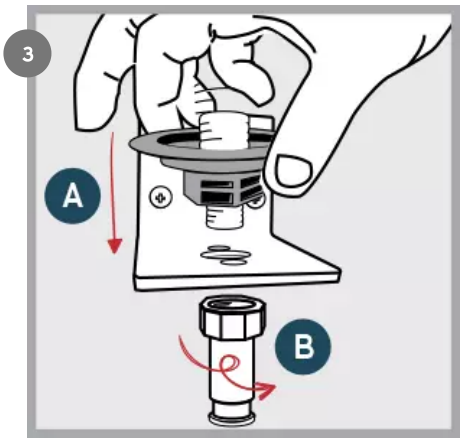
REMOTE INSTALLATION (HPS, HPS PLUS)



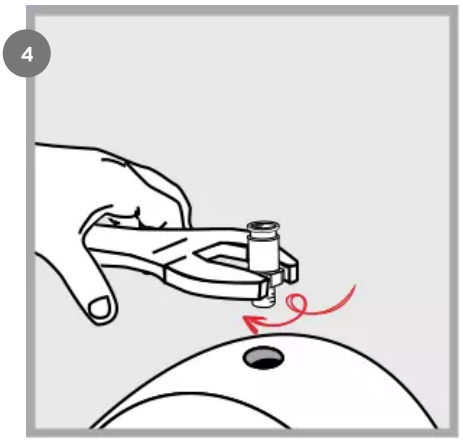
Prime lube point and remove nipple.



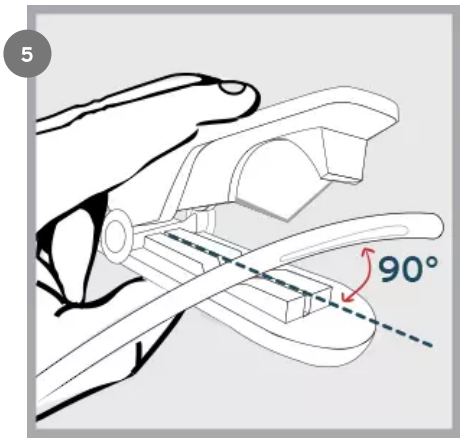
Secure the mounting bracket.



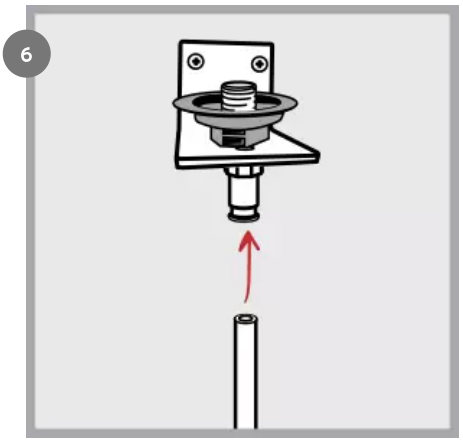
Install the base and F1/4 fitting on bracket using a strong threadlock.



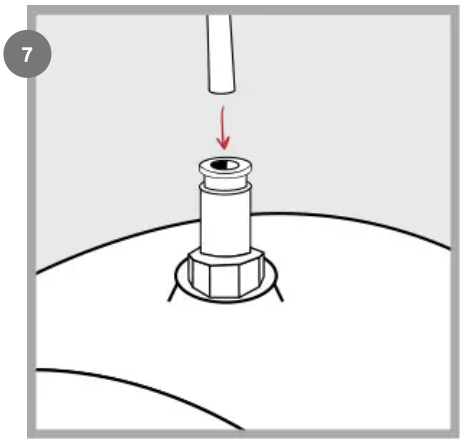
Screw BSP 1/8 fitting on lube point.



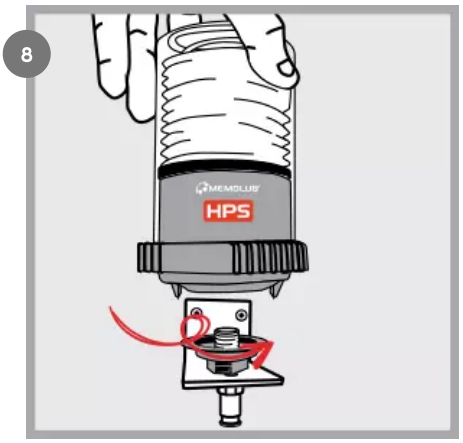
Cut hose to required size.



Insert hose into the bracket quick fitting.



Insert hose into the lube point quick fitting.

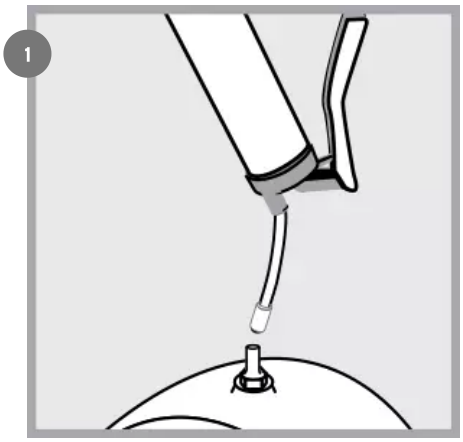


Install MEMOLUB HPS on Memo.

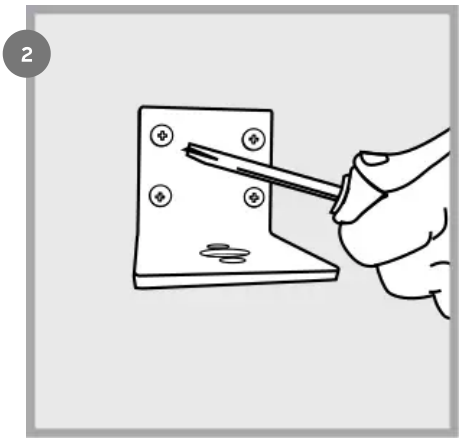


MEMOLUB HPS works immediately.

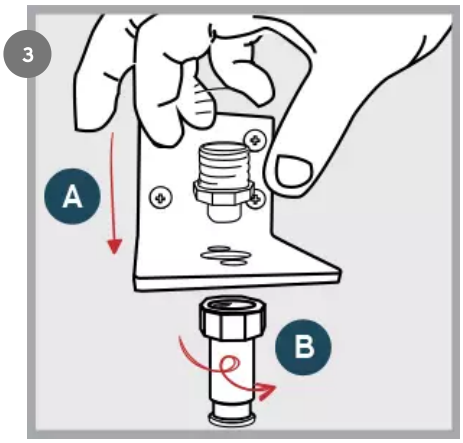
REMOTE INSTALLATION (HPS BLUE)



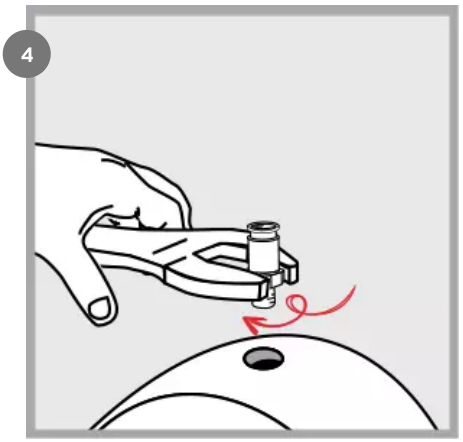
Prime lube point and remove nipple.



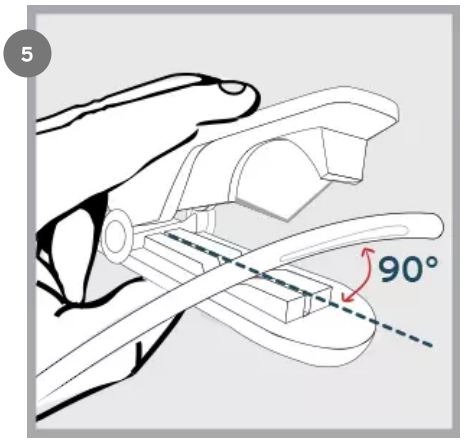
Secure the mounting bracket.



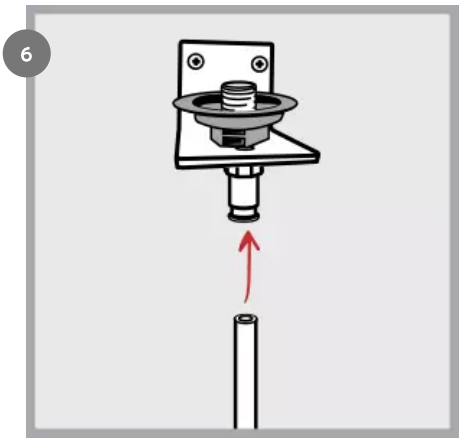
Install the base and F1/4 fitting on bracket using a strong threadlock.



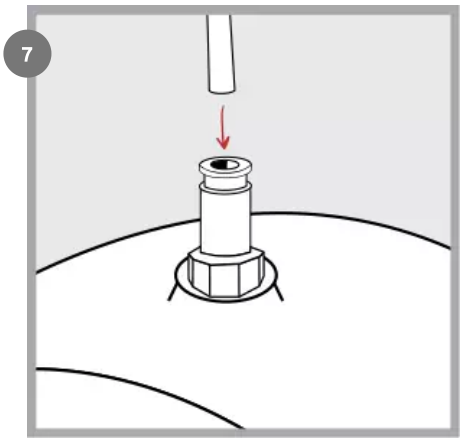
Screw BSP 1/8 fitting on lube point.



Cut hose to required size.



Insert hose into the bracket quick fitting.



Insert hose into the lube point quick fitting.



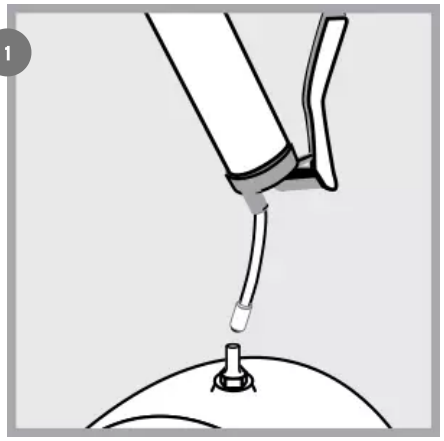
Install MEMOLUB HPS on Memo.



MEMOLUB HPS works immediately.

MULTIPOINT INSTALLATION (HPS,HPS PLUS)

1



Prime lube point and remove nipple

2 Secure the mounting bracket

3 Install HPS memo and G1/4" on bracket using a strong threadlocker

4 Install BSP 1/8 fitting on lube point

5 Cut the hose to required size

6 Insert hoses into bracket's quick fittings

7 Insert hoses into lube point's quick fitting

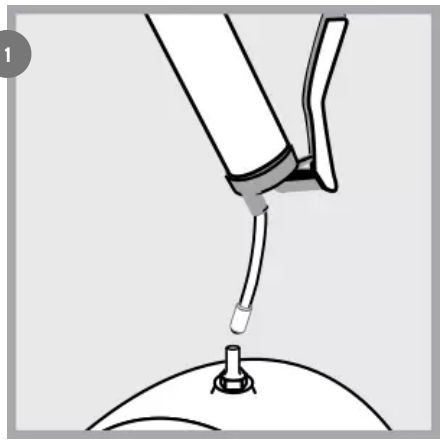
8 Insert the right combination of rings in the HPS memo, according to "Settings" table above

9 Screw tightly the HPS pump on the HPS memo

10 The HPS initializes and makes one expulsion. Green light confirms normal operation.

MULTIPOINT INSTALLATION (HPS BLUE)

1



Prime lube point and remove nipple

2 Secure the mounting bracket

3 Install HPS memo brass fitting and G1/4" on bracket using a strong threadlocker

4 Install BSP 1/8 fitting on lube point

5 Cut the hose to required size

6 Insert hoses into bracket's quick fittings

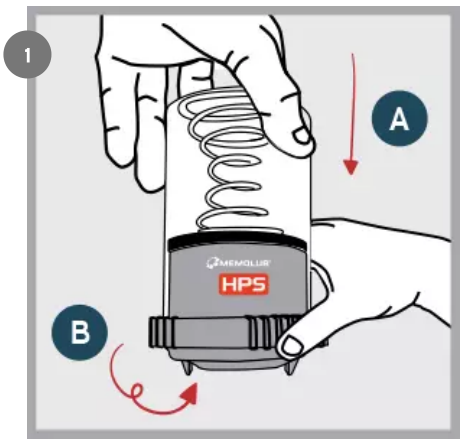
7 Insert hoses into lube point's quick fitting

8 Screw tightly the HPS blue on the HPS memo brass fitting

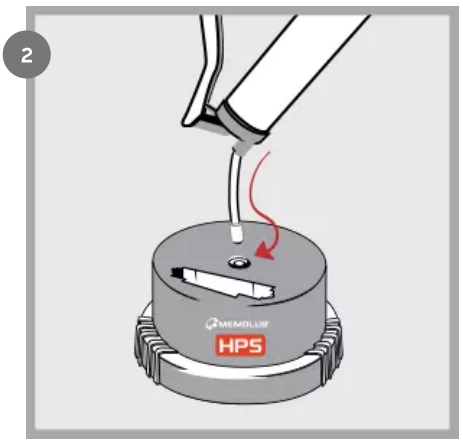
9 Connect to memolub app and adjust the settings following the "Memolub App" guidelines

10 The HPS blue initializes and makes one expulsion. Green light confirms normal operation.

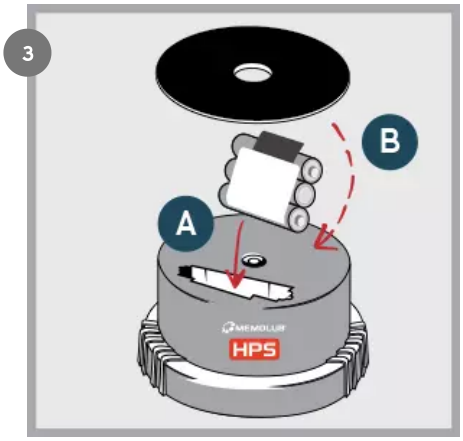
CARTRIDGE (RE)PLACEMENT GUIDELINES



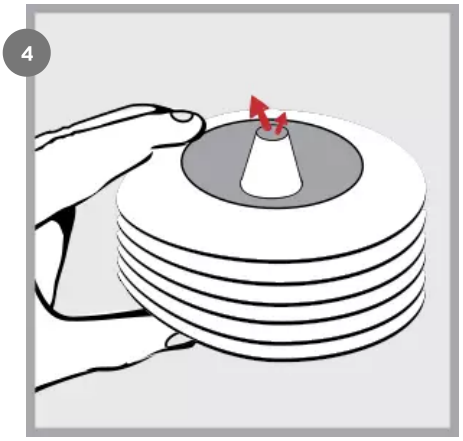
Open (fingers on ribs). Remove the used cartridge, if any.



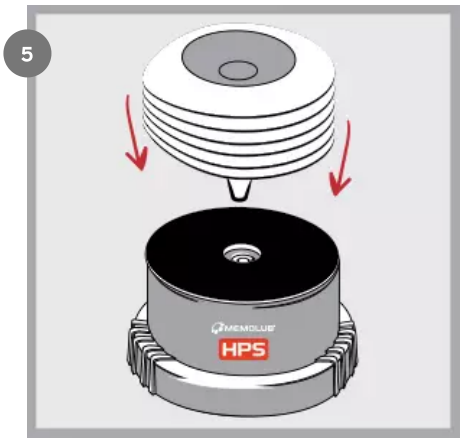
Prime MEMOLUB HPS pump.



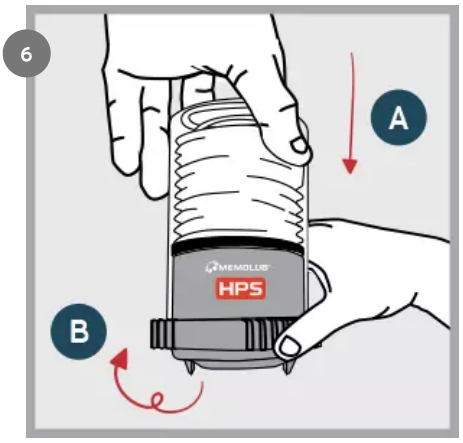
Insert new battery pack and seal. NOTE: the battery seal can be removed for 480cc cartridges.



Squeeze air out of the cartridge.



Replace cartridge on MEMOLUB HPS pump.



Close and lock (fingers on ribs).

FAQ

How can I test and/or check if MEMOLUB HPS is functioning?

You can test and/or check whether MEMOLUB HPS is working correctly at anytime by unscrewing MEMOLUB from the MEMO by one turn and screwing it back. MEMOLUB HPS will expulse once after being mounted to the MEMO.

If the environment is too noisy, unscrew MEMOLUB from its MEMO and, push on one of the three switches at the bottom of the housing for a few seconds. MEMOLUB will then make an expulsion to confirm that electronic, mechanical and batteries are ok.

Operate this operation three times pushing each switch at least once to ensure all three switches are operational and the complete gavage of the pump with the adequate lubricant. This operation has to be done with a cartridge inside the MEMOLUB HPS.

What to do if my MEMOLUB HPS Series automatic lubricator is not functioning?

Make a manual test of MEMOLUB HPS by using a MEMO with the three rings in the ring-holder.

If MEMOLUB HPS does not work, check the following:

- Is there a battery pack in the MEMOLUB and is it correctly inserted?
- Are the batteries ok? Use another battery pack to double-check.
- Are there one or more plastic rings inside the ring-holder? If not, no switch will be activated and MEMOLUB HPS will not work. Make sure you insert them correctly as explained in the installation guidelines.

What to do when there is no lubricant coming out of my MEMOLUB HPS?

If MEMOLUB HPS does function, but no grease comes out of the automatic lubricator check the following:

- Is there a lubricant cartridge inside the MEMOLUB HPS? If not, recharge the unit with a cartridge as described in the installation guidelines.
- Was the spring mounted correctly inside the transparent housing? If not, please mount it again as described in the installation guidelines.
- Is the pump of the MEMOLUB HPS primed? If the cartridge of MEMOLUB HPS was totally emptied before replacement, some air could have been sucked into the system and the pump would cavitate for a certain number of cycles. Place a grease handgun on the suction valve of the red housing and pump grease through the unit as explained in the installation guidelines.

What to do when the lubricant cartridge is not emptied correctly?

If MEMOLUB HPS does function but the lubricant cartridge does not empty or not in the predicted timing there might be that of the following issues occurs:

- The piping is clogged: use a handgun to clear the pipes.
- One of the outlets of the distributor block has been voluntarily obstructed. Use bridging elements to reduce the number of outlets of a distributor block.
- The piping is damaged. Replace the piping.
- Counter pressure at the MEMOLUB HPS outlet is higher than 20 bar: please respect the tubbing diameters, tubing lengths, the number of outlets per distribution block and the working temperatures. Also, use fittings with openings larger than 4mm (0.157").
- At working temperature, the base oil viscosity of the grease is higher than 10.000cSt. Please use low temperature lubricants.

What to do when the lubricant does not reach the lubrication point?

MEMOLUB HPS does function and empties correctly, however no lubricant is reaching the lubrication point. Possible causes are:

- The piping might be damaged, please check and replace if necessary.
- A fitting is not correctly screwed or sealing is missing, please check and replace or add if necessary.

Does MEMOLUB HPS needs specific maintenance?

MEMOLUB does not require any specific maintenance. When used in humid or dusty atmospheres MEMOLUB HPS can be cleaned with compressed air or a slightly humid rag. To clean MEMOLUB HPS do not use solvents or plunge unit in any liquid. It is also possible to equip your MEMOLUB HPS with a protection cover. For additional information, please contact your local MEMOLUB dealer.

REGULATORY INFORMATION

SYMBOL	DESCRIPTION
CE	This product is compliant with Directives 2006/42/EU (Machinery) and 2014/34/EU (Equipment in potentially explosives atmospheres - classification II 3 G for gases, II 3 D for dusts). The relevant Declaration of Conformity is available here [https://memolub.eu/assets/uploads/Support/HPS/DoC-CE-HPS-2023.pdf].
UK CA	This product is compliant with UK regulations 2008 No. 1597 (Supply of Machinery) and 2016 No. 1107 (Equipment for use in potentially explosive atmospheres). The relevant Declaration of Conformity is available here [https://memolub.eu/assets/uploads/Support/HPS/DoC-UKCA-HPS-2023.pdf].
EAC	This product is compliant with customs union technical regulations TR CU 010/2011 (safety of machines and equipment) and TP TC 012/2011 (safety of equipment for use in explosive atmospheres). The relevant Declaration of Conformity is available here [https://memolub.eu/assets/uploads/Support/HPS/DoC-EAC-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.
	This product is compliant with EN IEC 600790-15 (nC IIC T6 Gc)
	This product is compliant with EN IEC 600790-31 (tc IIIC T85°C)