

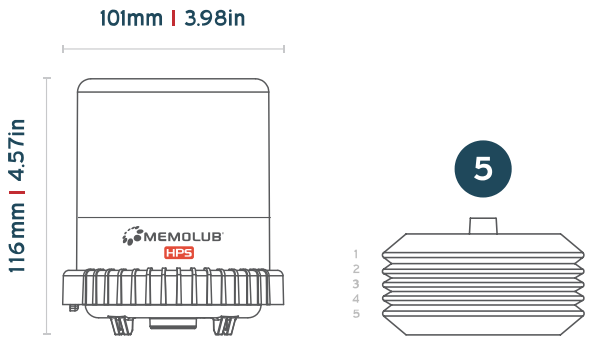
HPS HPS PLUS HPS BLUE

MEMOLUB HPS SERIES TECHNICAL DATA SHEET

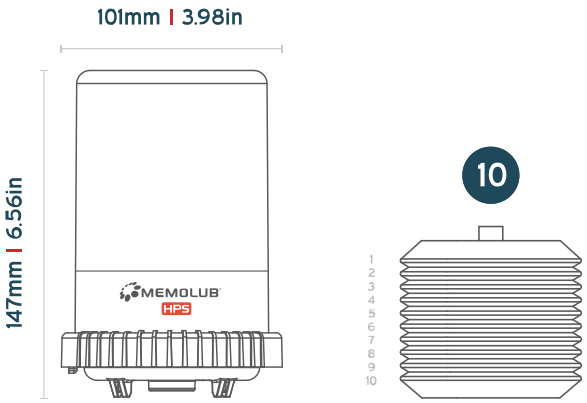
MEMOLUB.COM

DIMENSIONS

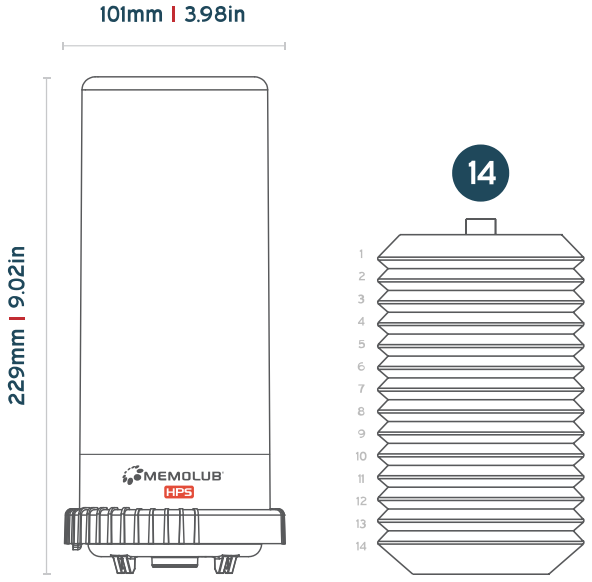
120cc
Grease & Oil Cartridges



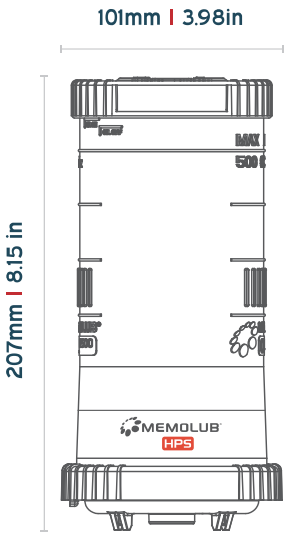
240cc
Grease & Oil Cartridges



480cc
Grease & Oil Cartridges



OIL R-500
Refillable Oil Reservoir



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

SPECIFICATIONS

GENERAL

	MEMOLUB HPS	MEMOLUB HPS PLUS	MEMOLUB HPS BLUE
Power Source	Battery		
Voltage	4.5V DC (3x1.5V DC AA)		
Short circuit protection	Yes		
Stroke duration	8 seconds		
Minimum stroke interval	1 hour		15 minutes
Communication	-		Short Range, Wireless

OTHER

	MEMOLUB HPS	MEMOLUB HPS PLUS	MEMOLUB HPS BLUE
Temperature exposure range	-15°C to 50°C*		
Connections	1/4 BSP		
Lubricants	Oil and Grease (up to NLGI #2 with an oil base between 100 and 460 cSt)**		
Maximum Stroke Presure	25 bar / 350 PSI		

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

STATUS LIGHTS

COLOR	MEMOLUB HPS	MEMOLUB HPS PLUS	MEMOLUB HPS BLUE
	N/A	The pumping cycle ran successfully	
	N/A	The gearmotor is damaged or broken/ Battery low.	
	N/A		Connection established.

BLUETOOTH CONNECTIVITY

	MEMOLUB HPS	MEMOLUB HPS PLUS	MEMOLUB HPS BLUE
Version	-		5.2
Frequency	-		2,4 GHz
Range (indoor, office environment)	-		30m
Range (outdoor, line of sight)	-		150m

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)