DATA SHEET

MEMO System

The unique programming system for the MEMOLUB® HPS, EPC and EPS lubricators

General Description

The MEMO regulates the daily grease output of the MEMOLUB® HPS, EPC and EPS lubricators. The kit consists of a brass adapter, a black plastic timing-ring holder, a red, a white and a black plastic timing ring, and eight stroke limiting washers. Once the MEMO is programmed it is installed on the lube point, or on a mounting bracket if remote mounting is necessary.

Programming the MEMO

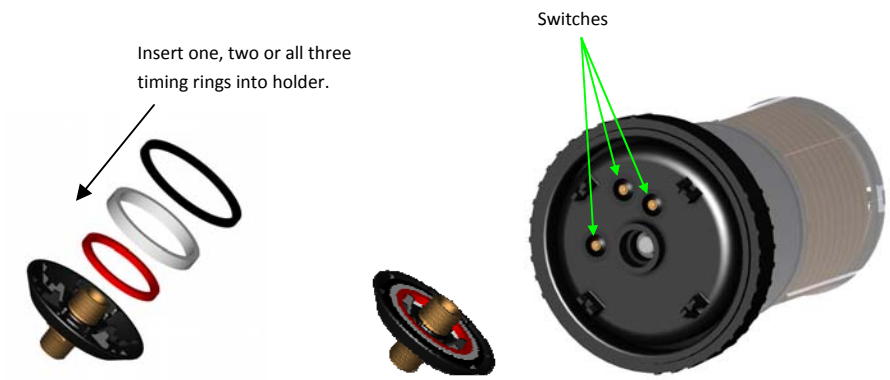
The MEMOLUB® daily lubricant output is programmed using the simple MEMO system. The MEMO can be programmed to control both the ***frequency*** of lube cycles and the ***volume*** of lubricant discharged.

Frequency Setting of the MEMO

The red, white and black plastic timing rings are used to set the frequency of lube cycles. They are inserted into the black plastic ring-holder either individually or in combination to obtain the desired frequency of output cycles.

See the "Basic Settings Chart" on next page

When the MEMOLUB® lubricator is screwed down onto the brass MEMO fitting the timing rings depress the switches located on the bottom of the lubricator. Depressing one or more of the switches will activate the lubricator and dictate how often the lubricator will cycle over 24 hour period.



BENEFITS

Programming stays at the lube point - no settings to remember

Mechanical connection - no failing electrical connections

MEMO fitting available in 1/8" or 1/4" NPT threads

MEMO Kit Part Number

PMEMHPSKIT (1/4" NPT)

PMEMHPSKIT-8 (1/8" NPT)

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These seven **Basic Settings** can accommodate most application requirements.

MEMO System - Basic Frequency Settings (R Red, W White, B Black)

Colored timing rings	Strokes per day	CC's per stroke	Daily Output in CC's	Model 120 Months to empty	Model 240 Months to empty	Model 480 Months to empty
R W B	24	0.63	15.1	N/A	0.5	1
R W	12	0.63	7.6	0.5	1	2
R B	4	0.63	2.5	1.5	3	6
R	2	0.63	1.3	3	6	12
W B	1.5	0.63	1	4	8	16
W	1	0.63	0.6	6	12	24
B	0.5*	0.63	0.3	12	24	N/A

**Lubrication cycles every other day (48 hours)*

Note: The "Months to empty" is based on continuous use of the lubricator. When programming the MEMO for intermittent use with a MEMOLUB® EPC or EPS lubricator, the lubricant cartridge will last longer. Visual inspection or calculated duration is required to determine when the lubricant cartridge should be changed out.

Volumetric Setting of the MEMO

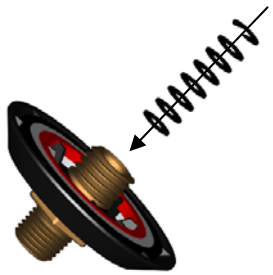
A set of special stroke-limiting washers is supplied with each MEMOLUB® for use in programming the volume of lubricant ejected on each output cycle.

When the MEMO is used without washers (yielding full piston stroke), the output volume at each stroke is 0.635cc. For each washer inserted into the brass MEMO, the output volume will decrease by 0.04cc per stroke. A Maximum of 8 washers (including a locking washer) can be inserted into the brass MEMO. If the stroke-limiting washers are used, the locking washer should be inserted last to hold the others in place. If only one washer is used, use the locking washer.

Using the volumetric program settings described above, and the frequency settings shown, allows you to "Fine Tune" your MEMOLUB® lubricator to achieve 52 different rates of lubricant output.

See the "Fine Tuning Chart" on next page

The program settings can be changed at any time, should you decide that a bearing requires more or less lubricant.



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FINE TUNING THE MEMO SYSTEM

Timing Ring Color
(R)=Red (W)=White (B)=Black

Timing Rings	# Of Washers	CC's P er Stroke	Daily Output in CC's	Model 120 120cc Capacity Days To Empty	Weeks To Empty	Months To Empty	Model 240 240cc Capacity Days To Empty	Weeks To Empty	Months To Empty	Model 480 480cc Capacity Days To Empty	Weeks To Empty	Months To Empty
R W B	24 Strokes Per Day											
	0	0.63	15.12	7.9	1		15.9	2	0.5	31.7	4	1
	1	0.59	14.16	8.5	1		16.9	2		33.9	4	
	2	0.55	13.20	9.1	1		18.2	3		36.4	5	
	3	0.51	12.24	9.8	1		19.6	3		39.2	5	
	4	0.47	11.28	10.6	1		21.3	3		42.6	6	
	5	0.43	10.32	11.6	1		23.3	3		46.5	6	
	6	0.39	9.36	12.8	1		25.6	4		51.3	7	
	7	0.35	8.40	14.3	2		28.6	4		57.1	8	
R W	12 Strokes Per Day											
	0	0.63	7.56	15.9	2	0.5	31.7	5	1	63.5	9	2
	1	0.59	7.08	16.9	2		33.9	5		67.8	9	
	2	0.55	6.60	18.2	2		36.4	5		72.7	10	
	3	0.51	6.12	19.6	2		39.2	6		78.4	11	
	4	0.47	5.64	21.3	3		42.6	6		85.1	12	
	5	0.43	5.16	23.3	3		46.5	7		93.0	13	3
	6	0.39	4.68	25.6	3		51.3	7		102.6	14	
	7	0.35	4.20	28.6	4		57.1	8		114.3	16	
	8	0.31	3.72	32.3	4	1	64.5	9	2	129.0	18	4
R B	4 Strokes Per Day											
	0	0.63	2.52	47.6	6	1.5	95.2	12	3	190.5	27	6
	1	0.59	2.36	50.8	7		101.7	14		203.4	29	
	2	0.55	2.20	54.5	8		109.1	15		218.2	31	
	3	0.51	2.04	58.8	8		117.6	17		235.3	33	
	4	0.47	1.88	63.8	9		127.7	18		255.3	36	
	5	0.43	1.72	69.8	10		139.5	20		279.1	39	
	6	0.39	1.56	76.9	11		153.8	22		307.7	43	
	7	0.35	1.40	85.7	12		171.4	24		342.9	49	
R	2 Strokes Per Day											
	0	0.63	1.26	95.2	13	3	190.5	26	6	381.0	54	12
	1	0.59	1.18	101.7	14		203.4	28		406.8	58	
	2	0.55	1.10	109.1	15		218.2	30		436.4	62	
	3	0.51	1.02	117.6	16		235.3	32		470.6	67	
W B	1.5 Strokes Per Day**											
	0	0.63	0.95	127.0	18	4	254.0	36 8		507.9	72	16
	1	0.59	0.89	135.6	19		271.2	38		542.4	77	
	2	0.55	0.83	145.5	20		290.9	40		581.8	83	
	3	0.51	0.77	156.9	22		313.7	44		627.5	89	
	4	0.47	0.71	170.2	24		340.4	48		680.9	97	
	5	0.43	0.65	186.0	26		372.1	52		744.2	106	
W	1 Strokes Per Day											
	0	0.63	0.63	190.5	27	6	381.0	54	12	761.9	108	24
	1	0.59	0.59	203.4	29		406.8	58				
	2	0.55	0.55	218.2	31		436.4	62				
	3	0.51	0.51	235.3	33		470.6	66				
	4	0.47	0.47	255.3	36		510.6	72				
	5	0.43	0.43	279.1	39	9	558.1	78	18			
	6	0.39	0.39	307.7	44		615.4	88				
	7	0.35	0.35	342.9	49		685.7	98				
B	0.5 Stokes Per Day***											
	0	0.63	0.32	381.0	54	12	761.9	108	24			
	1	0.59	0.30	406.8	58							
	2	0.55	0.28	436.4	62							
	3	0.51	0.26	470.6	67							
	4	0.47	0.24	510.6	73							
	5	0.43	0.22	558.1	79	18						
	6	0.39	0.20	615.4	87							
	7	0.35	0.18	685.7	97							
	8	0.31	0.16	774.2	110	24						

* We recommend that Battery Packs and Lubricant Cartridges be changed at no more than 12 month intervals
** Ejection cycle every 16 hours
*** Ejection cycle every other day