

DIVISION

CEMA  **tech** 

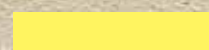
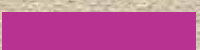
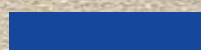
HENNLICH INDUSTRIE-TECHNIK, spol. s r. o.

Lubrication Equipment

Automatic lubricators



HENNLICH



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AUTOMATIC LUBRICATORS FOR OIL AND OTHER FLUIDS - DRIP FEED OILERS

Drip feed oilers are designed to dispense oil or other fluids into one or more lubricating points. Their function is only gravity-based, i.e. they are not capable of exerting any pressure and need to be positioned above the level of the lubricating point, but only in the positions in which they are shown in the following figures.

For all types of drip feed oilers, it is possible to visually check the release of individual drops through a control window located at the bottom of the lubricator (*as regards drip feed oilers for more lubricating points, these are located at the bottom of individual drippers*).

Drip lubricators are fitted with seals made of Perbunan (NBR); upon request Viton (FKM) or Teflon (PTFE) seals are available.

The reservoirs can be made of plexiglas or glass; both materials allow for the visual monitoring of the liquid level.

The outputs from the drip lubricator are connected to the lubricating point either directly or through a short distribution line (*plastic pipe, fittings, anchoring material*).

If oil needs to be spread onto a surface (*e.g. chain lubrication*), the oil output point will be provided with a lubricating brush. A wide range of lubricating brushes and accessories for them can be found in "Lubricating brushes" catalogue pages.

Drip feed oilers with an electromagnet valve (*types "ELO", "MET.B", and others*) allow for the automatic linkage of the dispensing of the lubricant to the operating hours

of the machine being lubricated. Alternatively, it is possible to install a TUP 1078-1 timer

(*optional*) on the connector of this electromagnet valve, on which further cycling can be set as needed.

Note: if oil is used, 1 ml equals approximately 45 drops.



DRIP FEED OILER, TYPE UNI

For connection to a single lubricating point, with manual valve.

The frequency with which individual drops are dispensed can be regulated manually, or completely closed using a mechanism located above the reservoir.

Material: pickled brass, plexiglass or glass, sealing - Perbunan (NBR)

	Part No. / material of the reservoir		Type	Reservoir capacity [ml]	Thread		Dimensions [mm]			
	plexiglass	glass			Z1	Z2	A	B	øC	D
	21102	21152	UNI 25	10	R 1/8"(a)	-	72	28	25	8
	21105	21155	UNI 30	20	R 1/8"(a)	-	77	30	30	8
	21108	21158	UNI 40	36	R 1/4"(a)	-	100	40	40	10
	21110	21160	UNI 50	84	R 1/4"(a)	-	110	50	50	12
	21112	21162	UNI 60	140	R 1/4"(a)	-	120	60	60	12
	21115	21165	UNI 60x80	200	R 1/4"(a)	-	140	80	60	12
	21118	21168	UNI 80x100	500	R 1/2"(a)	R 1/4"(i)	160	100	80	16
	21120	21170	UNI 100x100	750	R 1/2"(a)	R 1/4"(i)	185	100	100	16
	21122	21172	UNI 100x120	1 000	R 1/2"(a)	R 1/4"(i)	195	120	100	16
	21124	21174	UNI 130x150	2 000	R 1/2"(a)	R 1/4"(i)	240	150	130	16
	21126	21176	UNI 150x180	3 000	R 1/2"(a)	R 1/4"(i)	270	180	150	16

- Upon request, selected drip feed oilers of this type are also available with other thread sizes, and possibly also with a low-level magnetic switch

DRIP FEED OILER, TYPE TOL

For connection to a single lubricating point, with manual valve.




The frequency with which individual drops are dispensed can be regulated manually, or completely closed using a mechanism located below the reservoir.

Material: nickel-plated brass, plexiglass or glass, sealing - Perbunan (NBR)

	Part No. / material of the reservoir		Type	Reservoir capacity [ml]	Thread		Dimensions [mm]			
	plexiglass	glass			Z1	Z2	A	B	øC	D
	21404	21454	TOL 25	7	R 1/4"(a)	-	65	25	25	7
	21408	21458	TOL 30	14	R 1/4"(a)	-	71	30	30	7
	21409	21459	TOL 40	36	R 1/4"(a)	-	90	40	40	8
	21411	21461	TOL 50	84	R 1/4"(a)	-	107	50	50	8
	21413	21463	TOL 60	140	R 1/4"(a)	-	120	60	60	8
	21416	21466	TOL 60x80	200	R 1/4"(a)	-	140	80	60	8

- Upon request, selected drip feed oilers of this type are also available with other thread sizes

Other types of drip feed oilers for connection to a single lubricating point, with a manual valve (*upon request*):

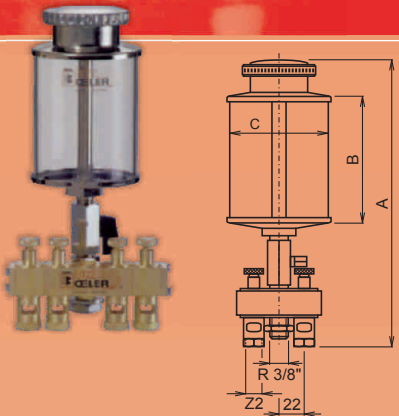
DRIP FEED OILER, TYPE UNI-V	DRIP FEED OILER, TYPE UST	DRIP FEED OILER, TYPE KPO
		
Material: pickled brass, plexiglass / glass, sealing - Perbunan (NBR) Reservoir capacities: 20, 35, 70, 125, 200, 15 a 450 ml	Material: pickled brass, plexiglass / glass, sealing - Perbunan (NBR) Reservoir capacities: 20, 35, 84, 140, 200, 500 a 1 000 ml	Material: nickel-plated brass, plexiglass / glass, sealing - Perbunan (NBR) Reservoir capacities: 200, 500 a 1 000 ml

DRIP FEED OILER, TYPE MTM

For connection to more lubricating points, with a manual valve.

All the designs mentioned below comprise two drippers (*for two lubricating points*). The selected designs need to be complemented with the corresponding number of additional drippers, so that drip lubricators include as many drippers as there are lubricating points (*up to a maximum of 10*). The frequency with which individual drops are dispensed can be manually regulated for each lubricating point separately, or completely closed using a mechanism located at individual drippers. A drip feed oiler of this type also includes a manual valve for the closing of the oil supply to all drippers at once.

Material: nickel-plated brass, pickled brass (*drippers*), plexiglass or glass, sealing - Perbunan (NBR)

	Part No. / material of the reservoir		Type	Reservoir capacity [ml]	Thread		Dimensions [mm]			
	plexiglass	glass			Z1	Z2	A	B	øC	D
	21601	21611	MTM.2 140	140	-	R 1/8"(i)	160	60	60	-
	21602	21612	MTM.2 200	200	-	R 1/8"(i)	180	80	60	-
	21603	21613	MTM.2 500	500	-	R 1/8"(i)	220	100	80	-
	21604	21614	MTM.2 1 000	1 000	-	R 1/8"(i)	260	120	100	-
	21605	21615	MTM.2 2 000	2 000	-	R 1/8"(i)	305	150	133	-
	21606	21616	MTM.2 3 000	3 000	-	R 1/8"(i)	335	180	150	-
Part No.		Description								
23241		Additional dripper with a plexiglass control window (<i>an extra lubricating point</i>)								
23242		Additional dripper with a glass control window (<i>an extra lubricating point</i>)								

- Upon request, selected drip feed oilers of this type are also available with other thread sizes, and possibly also with a low-level magnetic switch

DRIP FEED OILER, TYPE ELO

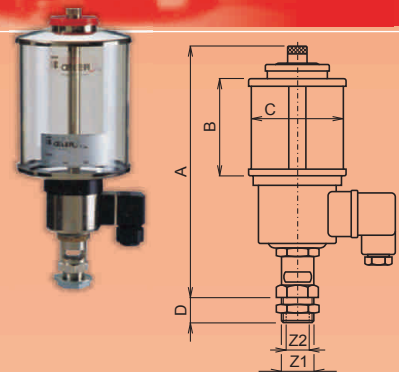
For the connection to a single lubricating point, with an electromagnetic valve.

The frequency with which individual drops are dispensed can be manually regulated, or completely closed using a mechanism located above the reservoir.

This type of drip feed oiler also contains an electromagnetic valve, which can be used to open/close the oil supply from the lubricator (*relationship to the operating hours of the lubricating point*).

El. connection : 230 V AC (24 V AC at ELO 40), IP20 *)

Material: nickel-plated brass, plexiglass or glass, sealing - Perbunan (NBR)

	Part No. / material of reservoir		Type	Reservoir capacity [ml]	Thread		Dimensions [mm]			
	plexiglass	glass			Z1	Z2	A	B	øC	D
	22101	22111	ELO 40	36	R 1/8"(a)	-	118	55	40	8
	22121	22131	ELO 140	140	R 1/2"(a)	R 1/4"(i)	150	60	60	15
	22122	22132	ELO 200	200	R 1/2"(a)	R 1/4"(i)	170	80	60	15
	22123	22133	ELO 500	500	R 1/2"(a)	R 1/4"(i)	200	100	80	15
	22124	22134	ELO 1 000	1 000	R 1/2"(a)	R 1/4"(i)	240	120	100	15
	22125	22135	ELO 2 000	2 000	R 1/2"(a)	R 1/4"(i)	285	150	133	15
	22126	22136	ELO 3 000	3 000	R 1/2"(a)	R 1/4"(i)	315	180	150	15

*) Upon request, drip feed oilers of this type are available with a type H electromagnetic valve with IP65 protection (*for wet and dusty environments*) and also in a design for explosive environments (*EX-design*)

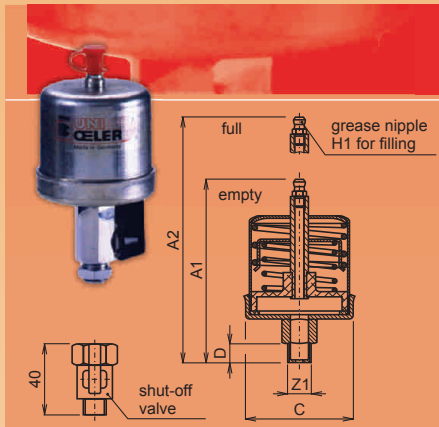
- Upon request, selected drip feed oilers of this type are also available for the voltages of 24 V AC/DC, 48 V AC, and 110 V AC, and possibly also with a low-level magnetic switch

HENNLICH INDUSTRIE TECHNIK, spol. s r. o.

SPRING GREASE LUBRICATOR, TYPE SBS

In this type of lubricator, in addition to the possibility of choosing the reservoir size (80 or 120 ml), it is also possible to set the spring (3, 5 or 8 bar). The spring should be selected according to the back-pressure at the lubricating point.

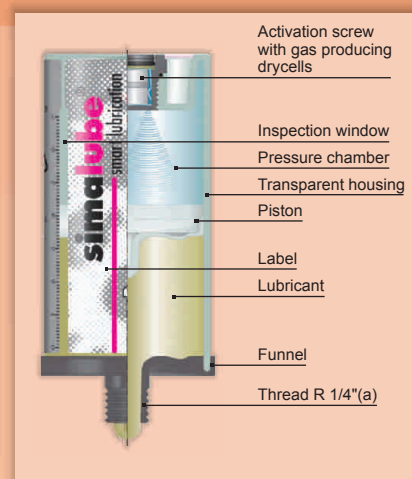
Material: nickel-plated steel

	Part No.	Type	Reservoir capacity [cm ³]	Spring setting [bar]	Thread Z1	Dimensions [mm]			
						A1	A2	øC	D
	25224	SBS 80.3	80	3	R 1/4"(a)	104	139	60	10,5
	25225	SBS 80.5	80	5	R 1/4"(a)	104	139	60	10,5
	25226	SBS 80.8	80	8	R 1/4"(a)	104	139	60	10,5
	25227	SBS 120.3	120	3	R 1/4"(a)	134	187	60	10,5
	25228	SBS 120.5	120	5	R 1/4"(a)	134	187	60	10,5
	25229	SBS 120.8	120	8	R 1/4"(a)	134	187	60	10,5
Part No.		Description							
25251		Shut-off valve R 1/4"(i)/R 1/4"(a) for SBS 80/120 *)							

*) The shut-off valve is not part of the SBS lubricator, and needs to be ordered separately

AUTOMATIC LUBRICATORS FOR GREASE AND OIL - TYPE SIMALUBE

SIMALUBE automatic lubricators are designed to dispense greases (up to NLGI 2) and oils to a single lubricating point. They are suitable for lubricating points with a lower lubricant consumption and low back-pressure. They are often used to lubricate points that are not easily accessible. The principle of the SIMALUBE lubricator is based on a chemical reaction in which the solid substance in a cartridge inside the activation screw turns into gas that accumulates in a pressure chamber and pushes a piston, causing the lubricant to be forced under the piston from the lubricator in the direction of the lubricating points. The emptying time of the lubricator can be set to be between 1 month and 12 using an Allen key directly on the activation screw, or it is possible to completely stop the dispensing of the lubricant (0). Thanks to the control window with a scale it is possible to check the amount of lubricant currently in the lubricator at any time. The lubricator can be situated in any position, and it is capable of working under water, too. Ideally, the lubricator can be connected directly to the thread of the lubricating point; in extreme cases, a short distribution pipeline can be installed between the output from the lubricator and the lubricating point (up to approx. 0,5 m is recommended). The lubricator can be repeatedly re-filled through a filling connection (see accessories) or a filling pump. After re-filling it is always necessary to replace the activation screw with a new one (see accessories). Range of operating temperatures: -20 až +55°C



	Part No.	Type	Reservoir capacity [ml]	Filling	Thread Z1	Dimensions [mm]		
						A	øC	D
	27121	SL00-60	60	empty	R 1/4"(a)	62	52	14
	27141	SL00-125	125	empty	R 1/4"(a)	100	52	14
	27122	SL01-60	60	multipurpose grease	R 1/4"(a)	62	52	14
	27142	SL01-125	125	multipurpose grease	R 1/4"(a)	100	52	14
	27128	SL14-60	60	chain oil	R 1/4"(a)	62	52	14
	27148	SL14-125	125	chain oil	R 1/4"(a)	100	52	14

- Upon request, SIMALUBE lubricators are also available with a reservoir volume of 30 ml or 250 ml, and wide range of filling (food industry greases and oils, biodegradable greases, high temperature greases and oils etc.)

Sizes of SIMALUBE lubricators (30, 60, 125 and 250 ml)



Activation screws with gas producing drycells



Setting of volumes supplied



Re-filling with the use of a filling pump



Application example



Application example








Application example



HENNLICH INDUSTRIE TECHNIK, spol. s r. o.

ACCESSORIES OF SIMALUBE LUBRICATORS

		Part No.	Description
    		27902	Activation screw with gass producing drycell for SIMALUBE 60 ml, M 18x1,5(a)
		27903	Activation screw with gass producing drycell for SIMALUBE 125 ml, M 18x1,5(a)
		29101	Filling connection R 1/4"(i)-(grease nipple H1)
		27911	Clamp - d50 mm
		27921	Non-return valve d8 mm(a) - plastic *)
		29107	Non-return valve R 1/4"(i)-R 1/4"(a) - nickel-plated brass *)


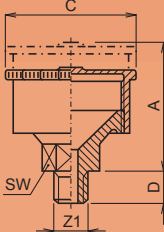
*) It is recommended to use a non-return valve whenever the SIMALUBE lubricator is filled with oil

STAUFFER LUBRICATOR

This is not an automatic lubricator in the true sense. The Stauffer lubricator is permanently screwed to the lubricating point, the lubricant is caused to flow by pressure generated by rotation of the screwed lid of the reservoir.

According to DIN 3411, form A

Material: blackened steel

	Type	Part No.	Thread Z1	Part No.	Thread Z1	Reservoir capacity [cm ³]	Dimensions [mm]			
							SW	A	øC	D
 	A1	28101	M 10x1(a)	28111	R 1/8"(a)	2,2	12	35	24	9
	A2	28102	M 12x1,5(a)	28112	R 1/4"(a)	5	17	38	28	11
	A3	28103	M 12x1,5(a)	28113	R 1/4"(a)	10	17	42	38	11
	A4	28104	M 12x1,5(a)	28114	R 1/4"(a)	17	17	45	45	11
	A5	-	-	28115	R 1/4"(a)	35	17	52	58	11
	A6	-	-	28116	R 1/4"(a)	50	17	56	66	11
	A7	-	-	28117	R 3/8"(a)	70	19	60	75	12
	A8	-	-	28118	R 3/8"(a)	120	19	68	92	12

- Upon request, Stauffer lubricators according to DIN 3411, form B made of brass are available, with reservoirs with a volume from 0,6 to 10 cm³

Ask for further details regarding other products of the **LUBRICATION EQUIPMENT** group



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