Automatic lubricators



SWISS MADE



simalube

Advantages of automatic lubrication with simalube	3
simatec app «simatec world of maintenance»	4
simalube – the lubrication expert	5/6
simalube 15 ml	7
simalube IMPULSE connect	8
simalube multipoint	9
Applications	10/11
Standard lubricants	12/13
Accessories	13/14/15

simalube: continuous lubrication ensures low costs and high reliability

Millions of simalube lubricators are used worldwide in every industry. They are the best and most economical solution for the continuous supply of grease or oil for periods of up to one year.

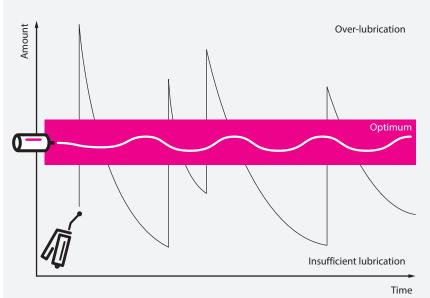
simalube – everywhere forces act, something spins or something moves.

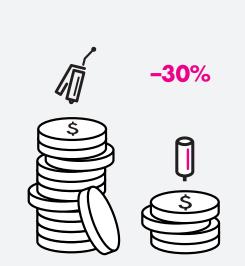


Advantages of automatic lubrication with simalube

simalube lubricators replace costly manual lubrication. This not only saves time, but also prevents insufficient or over-lubrication. The costs can thus be reduced by up to 30 percent.

Optimized lubricant delivery





Lower costs thanks to simalube

Continuous lubricant delivery with simalube effectively prevents insufficient or over-lubrication that often occurs with manual lubrication.

Up to 30 percent lower costs:

- Time-saving and greater safety at work thanks to fewer maintenance intervals
- Longer machine service life and less unplanned down-time

Your benefits of automatic lubrication with simalube



No more manual lubrication

Saves time

Less wear

- Greater work safety
- Hard-to-reach lubrication points are permanently supplied

No under- or over-lubrication of components

Lower lubricant consumption

Less machine downtimeIncreased machine performance





Sealed, dustproof and waterproof system

- No more confusion of lubricants
- Reduced risk of contamination
- No contamination of lubrication points

Compliance with international standards

- Ex certified in all zones
- Improved workplace safety
- No environmental impact thanks to recycling and disposal according to regulations

READY TO LIFT OFF TO THE WORLD OF MAINTENANCE

Explore the next level of automatic lubrication: simalube IMPULSE connect

simatec app «simatec world of maintenance»

With the simatec app «simatec world of maintenance», simatec ag has created a platform for simpler and more efficient management of lubrication work. The app offers the user the options of recording lubrication points, recording the required parameters for lubrication and controlling or monitoring all activities related to lubrication.

simalu

125

Your personal simatec assistant for efficient and connected monitoring

Functionality

- Configuration and monitoring of lubrication points with the «simatec world of maintenance» app
- Creation of electronic lubrication schedules (Lubechart)
- Calculation program for the correct setting of your lubricators (Calculation Pro)

Customer benefits

- simatec products can be controlled with the «simatec world of maintenance» app
- Creation of personalized, electronic lubrication plans with continuous monitoring of all lubrication points
- Thanks to the new Lubechart feature, all lubrication points (manual/automatic) can be managed
- Cost savings thanks to safe, simplified and efficient maintenance operations
- Installation videos help with the correct installation of the products
- No production interruptions for maintenance and monitoring purposes, resulting in higher availability of the production facilities













Get the app «simatec world of maintenance»



simalube – the automatic single-point lubricator

Available in 5 sizes, simalube supplies various lubrication points with lubricant around the clock. Day in, day out – for up to one year.

Take advantage of the simalube benefits

Reliability

- Lubrication points are continuously supplied with lubricant
- No lubrication point is missed
- Easy monitoring of the dispensing process thanks to the transparent housing

Environmental sustainability

- simalube can be refilled up to 3 times
- Easy disposal at the end of the dispensing cycle
- simalube lubricators do not contain toxic substances

Flexibility

- simalube is available in 5 sizes: 15, 30, 60, 125 and 250 ml
- Freely selectable dispensing cycle of 1 to 12 months
- Dispensing cycle can be modified anytime
- simalube is available filled or empty for self-filling

Unlimited range of uses (see pages 10/11)

- In confined and hard-to-reach spaces
- In any location, even underwater
- At ambient temperatures of –20 $^\circ\mathrm{C}$ to +55 $^\circ\mathrm{C}$
- Numerous installation options thanks to a large range of accessories
- The standard lubricant range includes modern and proven high-performance lubricants for all applications (see pages 12/13)













Components

Drive	
	IS SHE
Pressure chamber	
Housing	
Piston	(
	•
Label	
Lubricant	
Connection	
	\$U_9

Specifications

Certifications

Product	Automatic long-term grease and oil lubricator								
Power generation	Hydroge	Hydrogen gas producing drycell							
Working pressure	Max. 72	.5 psi							
Adjustment		Stepless 1–12 months (for standard conditions)							
Operating temperature	(Grease	-4 °F to +131 °F ambient temperature (Grease consistency changes with temperature)							
Storage temperature	Recomme	ended at 68 °	F±41°F						
Lubricator volume	30 ml	60 ml	125 ml	250 ml					
Weight full	~83 g	~117 g	~191 g	~380 g					
Weight empty	~56 g ~65 g ~80 g ~154								
Refill		The 15–250 ml simalubes are refillable.							

CE

66 mm (2.6 in)

14 mm (0.55 in)

1**P** 68

(Ex)

Ø 52 mm (2.05 in) simalube 250 G ¼"

simalube 250

198 mm (7.8 in)

14 mm (0.55 in)







UK CA

simalube 30







104 mm (4.1 in)



To determine the size and time setting, use our «Calculation Pro» program on our free app.



The smallest automatic lubricator

In confined spaces, the 15 ml simalube offers the perfect solution. With its compact size, it is unique on the global market as the smallest automatic lubricator. It functions the same as the larger simalube lubricators and offers the same advantages.

Small size delivers big performance

- Space-saving thanks to compact size
- Robust aluminium enclosure
- Same refill, installation and function as other simalube lubricators
- Alternative to the simalube multipoint when less than 5 lubrication points are needed (see page 9)

Ø 22 mm

(2.95 in)

шШ

75

12 mm [0.47 in]

Dimensions



Specifications

Product	Automatic, long-term grease and oil lubricator
Power generation	Hydrogen gas producing drycell
Working pressure	Max. 72.5 psi
Adjustment	Stepless 1–12 months (for standard conditions)
Operating temperature	-4 °F to +131 °F ambient temperature (Grease consistency changes with temperature)
Storage temperature	Recommended at 68 °F ±41 °F
Lubricator volume	15 ml
Weight full/empty	~36 g / ~22,5 g
Certifications	CE 🖫 🐼 🛱



Digital pressure booster up to 145 psi

The simalube IMPULSE connect is the latest generation of the pressure booster from the simalube family. The proven functions of the IMPULSE have been supplemented with the option of connecting the device to a smartphone via Bluetooth[®]. In connection with the newly developed «simatec world of maintenance» app, the devices can be easily configured and then monitored without having to be directly at the lubrication point. Information such as general status, fill level, lubricant, size, start and change date etc. is displayed to the user and easy to read in the app.



Technical data

Product	Automatic pressure booster for the simalube lubricator
Drive system	Electromechanical
Power supply	Battery pack* 6 V 2.3 Ah (Alkaline)
Function display	LED status display – green/red/blue every 10 seconds. Monitoring of the operating status via the «simatec world of maintenance» app.
Connectivity**	IMPULSE connect supports Bluetooth® Low Energy 5.0 standard. The connection can reach up to 20 m in an interference free open field environment.
Dispensing volume	0.5 ml per stroke (Impulse)
Working pressure	Up to 145 psi
Operating temperature	14 °F to 131 °F
Time setting	1 to 12 months – determined by the setting on the simalube «Automatic» mode or the «Time» mode preselected with the app.
Lubrication rate	Depends on the size and settings of the simalube: 0.17 to 8.3 ml/day
Lubricator volume	60 ml, 125 ml, 250 ml
Lubricant	Lubricant greases up to NLGI 2 or oils
Connection thread	G ¼" (with integrated non-return valve)
Warranty & period of use	3 years from the production date or until 10 simalube lubricators (125 ml) have been emptied
Protection rating	

* The battery pack must be replaced every time the lubricator is replaced.

** The IMPULSE connect can be used without the app.

https://simatec-usa.com/en/simalube/simalube-impulse-connect





More technical information and a video for simalube IMPULSE connect can be found at www.simatec-usa.com/en/simalube/simalube-impulse-connect

simalube multipoint



Automatic multi-point lubricator

The simalube multipoint supplies 5 lubrication points simultaneously for up to one year in the same reliable way as the other proven simalube lubricators. Thanks to the snap-on connector, simalube multipoint can be replaced easily and quickly when empty.

The versatile lubricator for linear guides

- 5×8 ml lubricant volume
- · Allows very low lubricant delivery over a long period of time
- Snap-on connector for multipoint
- Quick couplings for connecting hoses
- Ideally suited for lubrication of linear guides

Dimensions



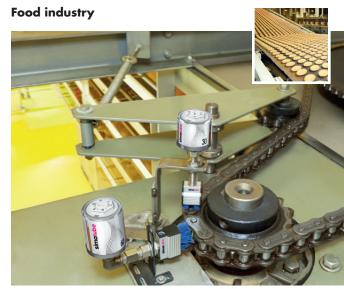
Specifications Product Automatic, multi-point, long-term lubricators for grease and oil Power generation Hydrogen gas producing drycell Working pressure Max. 72.5 psi Adjustment Stepless 1-12 months (for standard conditions) 14 °F to +131 °F ambient temperature Operating temperature (grease consistency changes with temperature) Recommended at 68 °F ±41 °F Storage temperature 5×8 ml Lubricator volume ~147 g / ~120 g Weight full/empty UK CA Certifications



Lifting devices



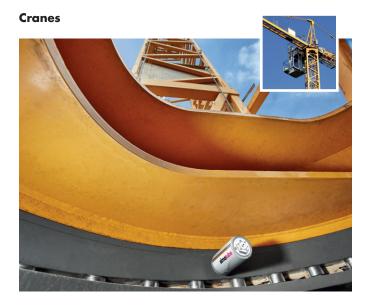
The spindles of a lifting station for railway wagons and locomotives are lubricated with 125 ml simalube over 12 months.



The drive chain of a transport belt, which allows rolls to cool, is cleaned with special blue brushes and lubricated with 2 simalube SL18 in 30 and 60 ml sizes.



Two 250 ml simalube lubricators with brushes lubricate and clean the chain drive of a drum washing machine.



125 ml simalube lubricators lubricate the rotating assembly of a crane.

Gravel and concrete plants

Gravel and concrete plants



The simalube IMPULSE connect with a 125 ml lubricator is used in gravel plants. The devices are configured and monitored via the «simatec world of maintenance» app.



A simalube multipoint can lubricate 5 linear guides of a cutting and paper stacking machine in a printing house.

Recycling



A 125 ml simalube lubricates the pedestal bearing of a conveyor belt.

Elevators and escalators

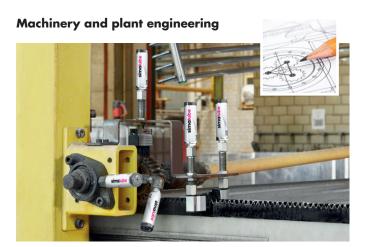


The 125 ml simalube maintains the guide rails of elevators and prevents dry friction. The system is attached directly to the cabin roof.

Water and sewage treatment plants



60 ml lubricators on the electric motor and the drive shaft ensure continuous lubrication of a centrifugal pump.



15 ml simalube lubricators with brushes constantly supply the rack of a loading machine with oil. Additional 15 ml simalube lubricators lubricate the flange bearings with grease.







simalube standard

lubricants and accessories

GREASE	NLGI	Thickener	Temperature range	Viscosity at 104 °F	Roller bearings	Plain bearings	Linear guides	Gears/ Toothed racks	Spindles	Shafi seals	Chains
SLO1 General multi-purpose industrial grease	2	Lithium	-4 °F to +266 °F	160	+	+	•	•	+	+	-
SLO2 High-performance grease with MoS ₂	2	Lithium- Complex	–4 °F to +293 °F	320	•	+	-	+	-	-	-
SLO4 High temperature grease	1	Clay	+32 °F to +338 °F	495	+	•	-	•	•	-	-
SLO6 Fluid grease	0	Lithium	–4 °F to +266 °F	160	+	+	+	+	•	-	-
SLO9 Biodegradable grease	2	Lithium	–40 °F to +248 °F	100	+	+	•	•	-	-	-
SL10 High performance multi-purpose grease for the food industry	2	Aluminium complex	–4 °F to +248 °F	220	+	+	•	+	•	-	-
SL22 Electric motor bearing grease	2	Polyurea	-4 °F to +320 °F	115	+	•	-	-	+	-	-
SL23 Synthetic high temperature food grade grease	2	Polyurea	–4 °F to +338 °F	460	+	+	-	-	-	-	-
SL25 High pressure grease	2	Polyurea	–4 °F to +320 °F	235	+	÷	•	•	•	-	-
			•		+ r	ecomme	nded	• possib	ole –	not recor	mmended





OIL	ISO-VG	Base oil	Temperature range	Viscosity at 104 °F	Roller bearings	Plain bearings	Linear guides	Gears/ Toothed racks	Spindles	Shaft seals	Chains
SL14 Chain oil	68	Mineral oil	N/A	68	-	•	•	-	-	-	+
SL15 High temperature chain oil	220	Synthetic oil	–22 °F to +527 °F	220	-	•	•	-	-	-	+
SL18 Food grade oil	68	Synthetic oil	N/A	68	-	•	•	_	-	-	+

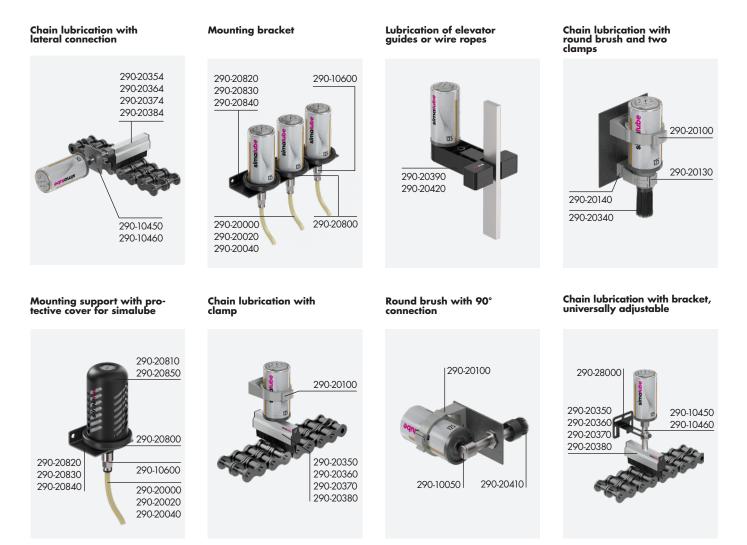
+ recommended

• possible

- not recommended

Application examples

The simalube can be easily installed anywhere and in any position with these accessories.

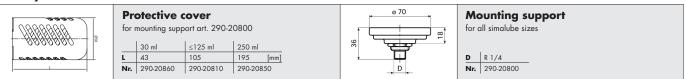


Connections			
	Bent connection 45° D R 1/4 Nr. 290-10010		D G 1/8 G 1/4 M 6 M 8 M 8x1 Nr. 290-10200 290-10210 290-10220 290-10230 290-10240 D M 10 M 10x1 M 12 M 12x1,5 UNF 1/4 Nr. 290-10250 290-10220 290-10280 290-10240
	Bent connection 90° D R 1/4 Nr. 290-10020		D M6 UNF 1/4 Nr. 290-15000 290-15010
	Bent connection 90° swiveling D R 1/4 Nr. 290-10040	571 577	L 10 35 50 [mm] Nr. 290-10210 290-10400 290-10410
	Botary elbow for hose Ø 8 mm D G 1/4 Nr. 290-10030		Screwed connection with hole 25 mm incl. 1 nut / 60 mm, incl. 2 nuts L 25 60 [mm] Nr. 290-10450 290-10460
	Botary elbow for hose Ø 8 mm D G 1/8 G 1/4 Nr. 290-10070 290-10080		Quick connection for hose Ø 8 mm D G 1/4 Nr. 290-10600
	Connection 90° with thread incl. 2 nuts (only for oil) L 70 [mm] Nr. 290-10050		Quick connection for hose Ø 8 mm D G 1/8 G 1/4 G 3/8 Nr. 290-10700 290-10710 290-10720
	D G 3/8 G 1/2 Nr. 290-10100 290-10110		D G 1/2 G 1/4 Nr. 290.41000 290.41010
G 1/4"	Fixation nipple G½" - R¼" L 25 [mm] Nr. 290-10150		D G 1/2 G 1/4 Nr. 290-41020 290-41030

Lubricator accessories and miscellaneous

D R 1/4 Nr. 29030110	15 ml 30–250 ml	Gas generator for refilling 15 ml 30 ml 60 ml 125 ml 250 ml Nr. 220-50020 220-50040 220-50080 220-50100
D G 1/4 Nr. 290-30120		Non-return valve plug Plastic Nr. 290.50600
D R 1/4 R 3/8 Nr. 29030130 29030140		D G 1/8 G 1/4 G 1/4 Nr. 290.20200 290.20210 290.20230 Bar 0.05 0.05 1.0

Safety accessories



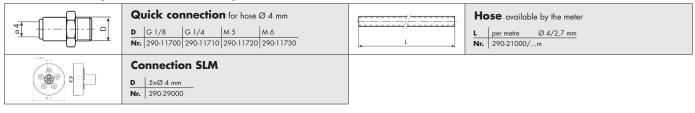
Brushes

DIOSTICS			
	DxL Ø 25x45 [mm] Nr. 290-20340	G 1/4" () () () () () () () () () ()	Brush for high temperatures H 25 [mm] Nr. 290-20500
	DxL Ø 25x15 [mm] Nr. 290-20410	G1/8 14.5- 15 10 10 10 10 10 10 10 10 10 10	Brush for high temperatures Connection on top and side H 40 100 [mm] Nr. 290-20510 290-20530
	L 25 40 70 100 [mm] Nr. 290-20380 290-20350 290-20360 290-20370 Nr. *290-20385 *290-20355 *290-20365 *290-20375		Elevator brush Elevator brush 5-16 mm, height 32 mm 16-32 mm, height 32 mm Nr. 290-20390 Nr. 290-20440
	L 25 40 70 100 Nr. 290-20384 290-20354 290-20364 290-20374 Nr. * 290-20357 * 290-20367 * 290-20377		Elevator brush small 5-16 mm, height 32 mm Nr. 290-20420

Installation accessories

L	a) Hose b) Hose for temperatures up to 500 °F c) Hose for small bend radius a b c L available by the meter, Ø 8/6 mm Nr. 290-20000/m 290-20020/m	Distance holder to clamp for round brush art. 290-20130 H 15 [mm] Nr. 290-20140
	D 22 (SL 15 ml) 28 (Pinsel) 50 (SL 30-250 ml) [mm] Nr. 290-20150 290-20130 290-20100	Bracket to mounting support simalube art. 290-20800 1x 3x 5x L 75 240 390 [mm] Nr. 290-20820 290-20830 290-20840
	Magnetic fixture for clamps Nr. 290-20190	Bracket for simalube 15–60 ml
	Adapter for clamp (60 mm) Plastic D 50 [mm] Nr. 290:20120	Bracket universally adjustable Nr. 290-28000

simalube multipoint installation components



Grease cartridges and oil bottles for prelubrication

	(Grease cartridge 400 ml					Oi	l bottle	0,5				
		SLO1	SLO2	SLO4	SL06	SL09							
+ -400 ml	N	Ir. 290-7001	0 290-70020	290-70040	290-70060	290-70090	OIL						
	-	SL10	SL12	SL24	SL22	SL26			SL14	SL15	SL16	SL18	SL19
	N	Ir. 290-7010	0 290-70120	290-70240	290-70220	290-70260		Nr.	290-71140	290-71150	290-71160	290-71180	290-71190

simalube IMPULSE accessories



simatec – innovative solutions that deliver outstanding customer benefits

simatec is an international, Swiss family enterprise. Since its founding in 1983, this motivated team has been developing, manufacturing and marketing innovative products for the maintenance of rolling bearings under the brand names of simalube, simatherm and simatool. The direct customer benefits are always at the forefront. Using newly developed technologies, simatec simplifies complex processes and reduces routine maintenance for tens of thousands of machines around the globe. Selected distribution partners sell simatec maintenance products around the world. They provide professional service and individual, expert advice.

Maintenance products by simatec – industrial technology



Lubricators

The simalube lubricator provides automatic lubrication over a period of one month to a year and can be adjusted in an infinitely variable manner. simalube supplies every lubricating point with the ideal amount of lubricant – be it oil or grease – so that subsequent manual lubrication is no longer needed and maintenance costs are reduced in the long term.

simalube



Induction Heaters

simatherm induction heaters heat circular metal parts, such as roller bearings, in a very short amount of time, so they can be installed quickly and efficiently. The inductive heating of metallic workpieces makes sense from both an economical and ecological perspective. simatec is the world's leading manufacturer of these types of heaters.

simatherm



Tools

The simatool toolkits enable the fast installation and removal of roller bearings and seals. They are used all over the world in machine and maintenance workshops within all industries.

simatool

simatec inc.

13900-C South Lakes Drive Charlotte, NC 28273 Tel.: (704) 588-3320 Fax: (704) 588-2112 info@simatec-usa.com simatec-usa.com





