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EXPERTS IN LUBRICANTS



AUTOLUB

MORE EFFICIENT LUBRICATION WITH **NILS** AUTOLUB

NILS automatic lubrication systems allow a constant and controlled supply of the lubricant, without manual intervention. The ideal solution to avoid any risk of interruptions in the lubrication and any machine downtime which could represent higher costs for the Company.



Automatic lubrication systems are compact and easy-to-use tools that can be installed and set with an autonomy up to 24 months. They can be used for greasing places that are difficult to reach or in dangerous positions, or in machinery where the accurate dosing of the lubricant is essential (such as electric engines and/or fans where minimal but constant lubrication is required). There are several solutions, simple and more advanced for both grease and oil dispensing, up to the connection via PLC to the machine itself.

Automatic lubricators are ideal for installation on:



Electric engines



Fans



Conveyors

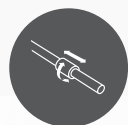


Pumps

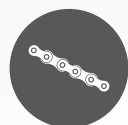
Useful for the lubrication and greasing of:



Rolling bearings



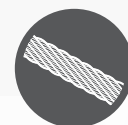
Plain bearings



Chains

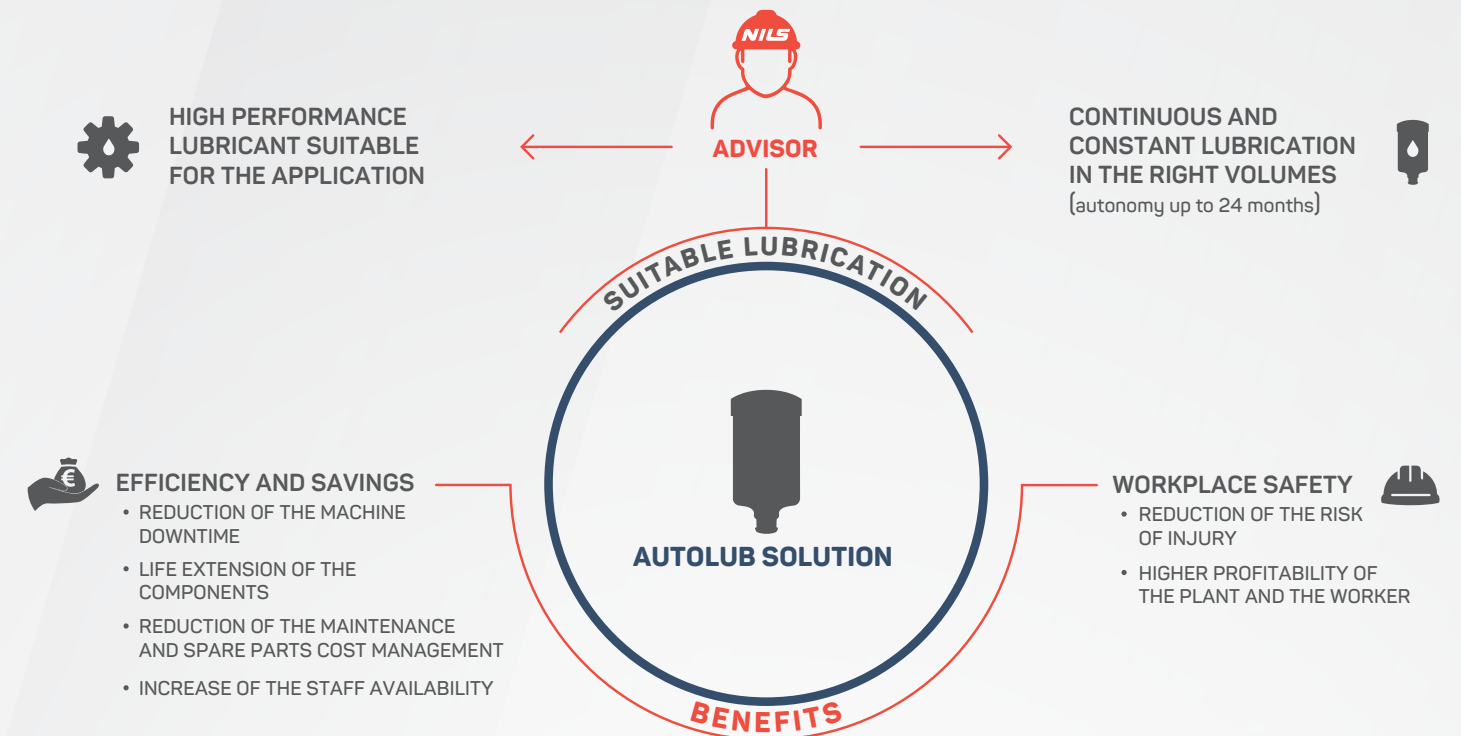


Gears / Racks

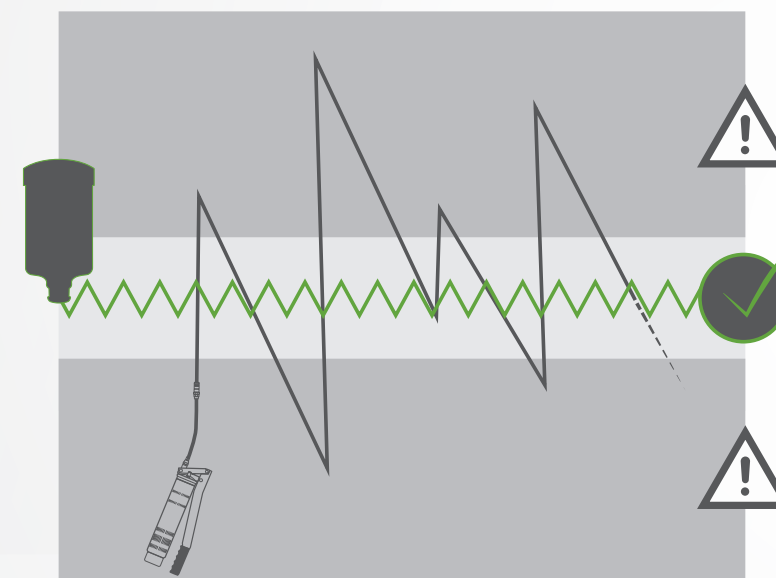


Ropes

NILS AUTOLUB FOR THE HIGHEST PERFORMANCE OF YOUR PLANT



NILS AUTOLUB, supported by our advisory service, will allow to choose the most suitable lubricant and identify the correct volume of the lubricant which will be dispensed constantly over time.





AUTOLUB BASIC

max. 4 bar / min. 0 °C max. +40 °C

AUTOLUB BASIC thanks to reliable operation system, based on an electrochemical reaction, can be used for several applications, even underwater, with a temperatures between 0 °C and +40 °C. By an activation screw of different colors, a volume of lubricant (equal to 120 cm³) is dispensed in 1, 3, 6 or 12 months. The chemical reaction, generating a max. pressure of 4 bar, moves the piston forward and brings the lubricant to the lubrication point.

Lubricants available:

GREASES

120 cm³	°C min. -30°C max. +120°C DN Factor 300.000		Thickner special calcium
120 cm³	°C min. -35°C max. +120°C DN Factor 300.000		Thickner hydroxystearate lithium
120 cm³	°C min. -20°C max. +140°C DN Factor 300.000		Thickner aluminium complex
120 cm³	°C min. -30°C max. +150°C DN Factor 400.000		Thickner lithium complex
120 cm³	°C min. -40°C max. +190°C DN Factor 250.000		Thickner polyurea

OILS



AUTOLUB EASY

max. 5 bar / min. -20 °C max. +60 °C

AUTOLUB EASY is a compact and ready-to-use lubrication system. It can be used in several fields of application with an operating temperature between **-20 °C** and **+60 °C**. AUTOLUB EASY can be filled with a wide range of greases and oils in order to satisfy every need. The monthly dispensing period is easily selectable from **1 to 12 months**. The required pressure is generated by an electronically controlled chemical reaction.

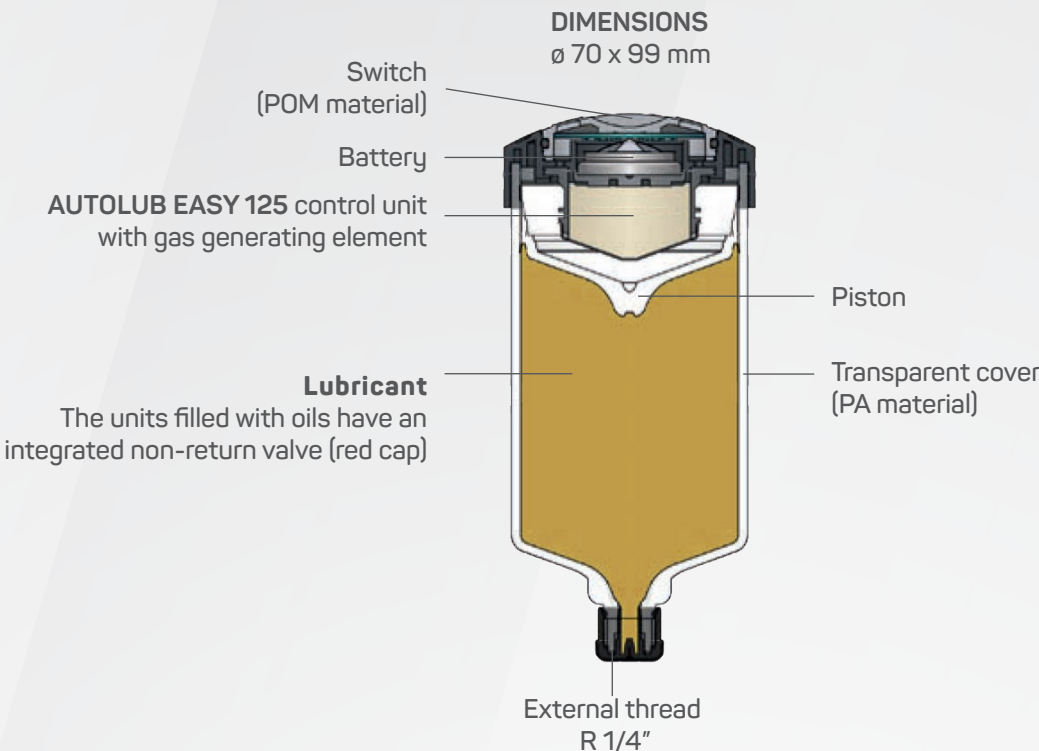
Lubricants available

GREASES

125 cm³	ATOMIC RH <i>Long-life EP grease / NLGI 2</i>	Thickener special calcium
°C min. -30°C max. +120°C	DN Factor 300.000	
125 cm³	FOOD TTF <i>Special food-grade grease for extreme temperatures / NLGI 2</i>	Thickener aluminium complex
°C min. -45°C max. +160°C	DN Factor 300.000	NSF
30 cm³ 125 cm³	HTF EP 2 <i>Semi-synthetic lithium complex grease / NLGI 2</i>	Thickener lithium complex
°C min. -30°C max. +150°C	DN Factor 400.000	
125 cm³	GR 7000 <i>PTFE high performance EP grease / NLGI 2</i>	Thickener lithium complex
°C min. -25°C max. +150°C	DN Factor 200.000	

OLI

125 cm³	CHAIN FOOD HT 220 <i>High temperature food grade synthetic chain oil / ISO VG 220</i>	Base oil saturated synthetic ester
NSF	*Usable only with non-return valve	



IP 68
DEKRA 12 ATEX0006 X

II 1G Ex ia IIC T6
II 1D Ex iaD 20 T85°C
I M1 Ex ia I

IECEx DEK 11.0103X

Ex ia I



AUTOLUB

max. 6 bar / min. -20 °C max. +60 °C

AUTOLUB can be used for all the applications with temperatures between **-20 °C** and **+60 °C**. By the setup button on the control unit, a dispensing time from **1 to 12 months** can be easily configured. The control unit calculates the amount of gas needed for a constant and safe lubricant supply, taking in consideration the ambient temperature.

AUTOLUB consists of a re-usable control unit, a cartridge containing the gas generating element and the lubricant, and a safety cover.

Lubricants available

GREASES

ATOMIC RH Long-life EP grease / NLGI 2

125 cm³

°C min. -30°C
°C max. +120°C

DN Factor
300.000



Thickener
special calcium

FOOD TTF Special food-grade grease for extreme temperatures / NLGI 2

125 cm³

°C min. -45°C
°C max. +160°C

DN Factor
300.000



Thickener
aluminium complex

HTF EP 2 Semi-synthetic lithium complex grease / NLGI 2

125 cm³

°C min. -30°C
°C max. +150°C

DN Factor
400.000



Thickener
lithium complex

GR 7000 PTFE high performance EP grease / NLGI 2

125 cm³

°C min. -25°C
°C max. +150°C

DN Factor
200.000



Thickener
lithium complex

Product characteristics





max. 6 bar / from -40 °C max. +60 °C

AUTOLUB PROFESSIONAL CONTROLLER

Unlike the battery-powered AUTOLUB PROFESSIONAL, the AUTOLUB PROFESSIONAL CONTROLLER is **powered by an external source via a cable**. It can transmit its operational status to a PLC for evaluation. It offers two modes: TIME, which dispenses lubricant based on operating hours, and IMPULSE, which dispenses a precise amount when it receives voltage. Comprising an electromechanical drive and an LC unit with **60, 120 or 250 cm³** of lubricant, it operates with counterpressure up to 6 bar, regardless of temperature.

Lubricants available

GREASES

120 cm³	ATOMIC RH <i>Long-life EP grease / NLGI 2</i>	Thickener special calcium
250 cm³	°C min. -30°C °C max. +120°C DN Factor 300.000 °C ↑ °C ↑	
250 cm³	°C min. -20°C °C max. +200°C °C ↑ °C ↑	
120 cm³	FOOD <i>Universal food-grade grease / NLGI 2</i>	Thickener aluminium complex
250 cm³	°C min. -20°C °C max. +140°C DN Factor 300.000 °C ↑ °C ↑	
60 cm³	HTF EP 2 <i>Semi-synthetic lithium complex grease / NLGI 2</i>	Thickener lithium complex
120 cm³	°C min. -30°C °C max. +150°C DN Factor 400.000 °C ↑ °C ↑	
250 cm³	°C min. -40°C °C max. +220°C	