

# Grease Gun/Grease Refilling Devices



# Introduction - Brands

## Lubmann

Lubmann belongs to AUTOL Group, which locates in Duisburg, Germany since 2015 and provides you the world's leading lubrication equipment made in Germany – from manual greasing devices and tools to Automatic Lubrication Systems.



## AUTOL

AUTOL is an Automatic Lubrication System Solution supplier which established in 2005 in Zhengzhou, China and provides a lot of world class's equipment/machinery manufacturers the high-performance lubrication solutions.



## AUTOL Group

Both AUTOL and Lubmann systems are available through our global network of lubrication experts, offering you world-class installation and ongoing support on a local level – today and into the future. With the power of this network, and more than 200 years of combined friction management experience, we can help you improve machine reliability, reduce maintenance, increase productivity, enhance safety and optimize manpower resources.



***In this document, we present the contents only for Lubmann products, including specifications, order information and so on. Any information from AUTOL products please ask your local AUTOL/Lubmann dealer.***

# Overview of Grease Gun

Types of Grease Guns(For Greasing points lubrication) Grease guns have three ways in which they can be powered: by hand, air or electricity. Aside from these variations, the handpowered(or manual)grease guns can either be manufactured with a lever or a pistol grip. The benefits to each of these depend primarily on the intended application and the lubrication technician's personal preference. One other major variation to the grease gun is how the grease is to be loaded: by suction fill, cartridge or bulk.



Manual (Lever)– **AMG1000** This is the most common type of grease gun and can supply around 1.28 grams of grease per pump, which is forced through an aperture from hand pumps.



Manual (Pistol Grip)–**AMG2000** This variation of the lever-type grease gun allows for the one-handed pumping method, which is very common. It provides approximately 0.86 grams per pump.



Pneumatic (Pistol Grip) – **APG1000/APG2000** This grease gun uses compressed air directed into the gun by a hose activating a positive displacement with each trigger.



Battery (Pistol Grip 12/18/24V) – **AEG1012/AEG1018/AEG1024** This is a low-voltage, battery-powered grease gun that works comparably to the pneumatic grease gun. It offers the advantage of being cordless.



## New Product

Manual (Lever)– **AMG3000** This is a specially developed Grease Gun for centralized lubrication pump grease refilling. 1-liter Reservoir can be filled in just 2 minutes using the commonly available 500 ml cartridge twice.

It's fundamental that grease is used as a lubricant because it clings to a machine's moving surfaces without easily leaking away like oil. For this reason, the filling and refilling of grease in grease-lubricated machines must be treated differently than that of oil-lubricated machines. Therefore, it is essential that the proper grease gun operation is understood and managed by lubrication technicians for bearing and machine reliability. Simply knowing the signs of overgreasing and undergreasing and how often to reapply can go a long way in extending machinery life.

Grease fittings have several names such as a Zerk fitting, grease nipple or Alemite fitting. This is the lubrication point where the grease connector is attached. The standard hydraulic grease fitting is most commonly used for standard applications. It can be either upright or angled. The button-head fitting is ideal for good coupler engagement when large volumes of grease are being added. A flush-type grease fitting is preferred when space is limited for standard protruding fittings, while the pressure-relief vent fitting helps prevent higher pressures that could lead to damaged seals.

# Overview of Grease Refilling Device



Pneumatic Greasing	Electrical Greasing 12/24/220V	Manual Greasing	Electrical Greasing 12/24V
APP1000	AEP1012/1024/1220T	AMP1000	AEP1012/1024B
High pressure greasing pump is suitable for working environment with gas source.	High pressure greasing pump is suitable for factory or mine environment with 220V power supply.	Manual greasing pump is suitable for environment without gas source or power supply.	High pressure greasing pump is suitable for environment with 12/24V power supply for ex. on mobile device.
<b>Specification:</b>			
Max Pressure: 300-400bar Max Discharge Rate: 0,85L/Min Volume of Reservoir: 12 L Net Weight: 15 Kg	Max Pressure: 400bar Specified Power: 600W Max Discharge Rate: 0,350L/Min Volume of Reservoir: 18 L Motor Position: Top	Max Pressure: 200-250bar Max Discharge Rate: 0,005L/Stroke Volume of Reservoir: 12 L Net Weight: 13,5 Kg	Max Pressure: 400bar Specified Power: 600W Max Discharge Rate: 0,350L/Min Volume of Reservoir: 18 L Motor Position: Bottom
<b>Application:</b>			
Construction, Agriculture, Marine, Food, etc.	Construction, Mining, Metal Industry, Food, etc. Manual	Construction, Agriculture, Mining, Cosmetician Production, etc.	Construction, Agriculture, Wind Turbine, etc.

## Coupling Socket for Refilling Device Connection

Description	For Pump Serie	Feature
CS-RDC	Progressive/Dual Line/Single Line/Pressurized Single Line Pump	Connect with Electrical Grease Refilling Device



## Transfer Coupling for Manual Grease Gun (AMG3000)

Description	For Pump Serie	Feature
TC-MGG20	Progressive/Dual Line/ Single Line/ Pressurized Single Line	Adapter for M20 based on M22
TC-MGG22	Pump	M22



*All greasing pumps has be equiped with a multi functional greasing nipple not only for the greasing pump of AUTOL, but also for other brands and nipples of greasing points as well.*

# Specification for Greasing Device

## Greasing Device Portable

Product Model (Ordering Codes)	Working Principle	Grease	Operating Pressure Max.	Discharge Max.		Reservoir	Attached Accessories
		NLGI	Mpa	ml/Min	ml/Stroke	cc	
AMG1000	Manual		10		2	500	Nipple, Hose
AMG2000	Manual		10		2	500	Nipple, Hose
AMG3000	Manual		10		500 (only for CLS pump)	500	Nipple, Hose
APG1000	Pneumatic	Up to 2	6-8	70		600	Nipple, Hose
APG2000	Pneumatic		6-8	70		400	Nipple, Hose, one rechargeable cartridge
AEG1012	Electrical		45	60		500	Nipple, Hose, Battery
AEG1018	Electrical		57.5	70		500	Nipple, Hose, Battery
AEG1024	Electrical		70	80		500	Nipple, Hose, Battery

## Greasing Device (Pump)

Product Model (Ordering Codes)	Working Principle	Grease	Operating Pressure Max.	Discharge Max.		Reservoir	Attached Accessories
		NLGI	Mpa	ml/Min	ml/Stroke	L	
AMP1000	Manual		20-25		5	16	Nipple, Hose
AMP2000	Manual		20-25		5	12	Nipple, Hose
APP1000	Pneumatic		30-40	850		12	Nipple, Hose
APP2000	Pneumatic		30-40	850		30	Nipple, Hose
AEP1012T	Electrical 12V	Up to 2	40	350		18	Nipple, Hose
AEP1024T	Electrical 24V		40	350		18	Nipple, Hose
AEP1220T	Electrical 220V		40	350		18	Nipple, Hose
AEP1012B	Electrical 12V		40	350		18	Nipple, Hose
AEP1024B	Electrical 24V		40	350		18	Nipple, Hose

Lubmann GmbH

Web: [www.lubmann-gmbh.de](http://www.lubmann-gmbh.de)

Mail: [info@lubmann-gmbh.de](mailto:info@lubmann-gmbh.de)

