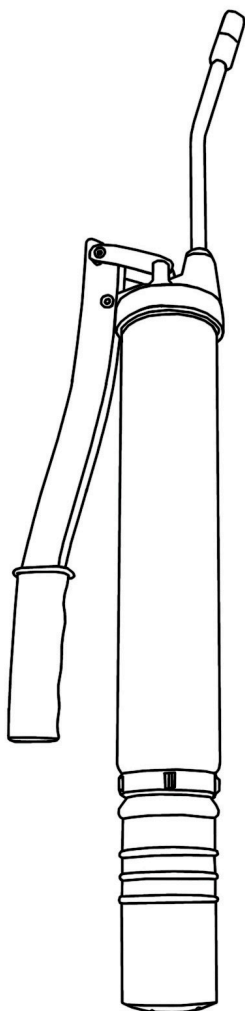


Grease Guns

PNEUMAxX

Lever Operated Grease Gun • One Hand Operated Grease Gun •
Air Operated Grease Gun

Operating Instructions



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1. General Data

1.1 Recommended Usage

- ▣ The grease gun **PNEUMAxX** is exclusively designed for the use of lubricating grease.
- ▣ We ask you to follow up strictly the recommendations for usage shown in these operating instructions.
- ▣ Every further usage (other media or using force) or unauthorised modification (reconstruction, no original accessories) may cause dangers and will not be covered by our warranty regulation. The operator is liable for damages caused by non-authorized operations.

1.2 Structure and Application Description

- ▣ **PNEUMAxX** is a grease gun with a manually operated air pump supporting the grease flow into the grease gun head.
- ▣ **PNEUMAxX** can be completed with various accessories (with PRESSOL parts).
- ▣ **PNEUMAxX** is available in the following versions:
 - Lever Operated Grease Gun, HHFP
 - One Hand Operated Grease Gun, EHFP
 - Air Operated Grease Gun, DLFP

1.3 Technical Data

	HHFP	EHFP	DLFP
Supply pressure (load pressure into the grease gun head):	4 bar	4 bar	4 bar
Grease supply (load pressure):	manually air pressurized	manually air pressurized	manually air pressurized
Diameter of piston:	8 mm	8 mm	6 mm
Operation of the grease piston:	manually lever operated	manually lever operated	air operated providing a continuous grease flow
Maximum air pressure:	-	-	8 bar
Delivery volume per stroke:	1,2 cm ³	0,8 cm ³	0,8 cm ³
Operating pressure:	up to 400 bar	up to 260 bar	at the point of lubrication: from 100 up to 400 bar
Connection for accessories utilizing a steel connector:	M 10 x 1 or G 1/8"	M 10 x 1 or G 1/8"	M 10 x 1 or G 1/8"
Burst pressure (system):	850 bar	850 bar	850 bar
Burst pressure (grease gun head):	1200 bar	1200 bar	1200 bar
Capacity:	500 cm ³	500 cm ³	500 cm ³
Loading:	400 g grease cartridge (DIN 1284) grease gun filling pump 400 g screw-in cartridge (to be utilized with separately ordered adapter only)	400 g grease cartridge (DIN 1284) grease gun filling pump 400 g screw-in cartridge (to be utilized with separately ordered adapter only)	400 g grease cartridge (DIN 1284) grease gun filling pump 400 g screw-in cartridge (to be utilized with separately ordered adapter only)

1.4 Recommended Operation Areas

- ▣ The grease gun **PNEUMAxX** is designed to be utilized with lubricating grease up to a viscosity class NLGI 3 at a minimum temperature down to -10 °C.
- ▣ The grease gun can be filled with standard grease cartridges according to DIN 1284 or with a grease gun filling pump (utilizing an empty cartridge placed in the grease gun tube).
- ▣ Screw-in cartridges can be processed with an adapter which is available as an accessory, PRESSOL article no. 12 091.

2. General Safety Instructions

2.1 Safety Requirements

- ▣ The grease gun **PNEUMAxX** is designed and manufactured with regards to the general safety and health requirements and according to the relevant European Community regulations.
- ▣ However, risks cannot be avoided if this product will not be used according to the recommended usage or when utilizing it without the necessary diligence and care.
- ▣ To prevent accidents we recommend to use our product strictly according to the local safety regulations and as well according to our safety instructions shown in these operating instructions.

2.2 Explanation of the General Safety Instructions

When studying these General Safety Instructions please consider the different levels of danger. These levels of danger are marked by the following signal terms or pictograms:


Pictogram	Signal term	Consequences when ignoring the General Safety Instructions.
	Attention!	Potential minor or medium personal harm or material-damages.

Table. 2-1: Classification of the safety instructions according to the kind of the dangers

Furthermore, an other advise for the operation of this product is also used.


Pictogram	Signal term	Consequences when ignoring the General Safety Instructions.
	Note	Basic knowledge and advises for the correct operation of this product.

Table 2-2: General Advise

2.3 Dangers when utilizing the Grease Gun



Attention!

Overpressure may cause bursting of the grease gun head and its accessories

- Do not use force when operating the hand lever or the manual grease supply pump.
- Do not use extension tubes or other utilities.
- Do not exceed the operating/supply pressures indicated in chapter 1.3.
- We recommend the use of original accessories according to DIN 1283 only.



Attention!

Overpressure at the lubrication point may destroy the grease nipple and perhaps even the bearings or the machine itself.

- Do not exceed the operating/supply pressures indicated in chapter 1.3.
- Please pay attention to the maintenance and service advices of the manufacturer of your machine.



Attention!

Defective accessories may cause personal harm or material-damage

- High-pressure hoses may not be bent, twisted or stretched.
- Accessories will have to be checked for abrasion, cracks or further damages permanently.
- Defective accessories will have to be exchanged immediately.
- Please see the data in the German Regulation ZH 1/A45.4.2 or the DIN 20066 part 5.3.2. for the duration of operation.

3. Assembly

- ▣ The grease gun **PNEUMAxX** will be delivered completely assembled.
- ▣ Accessories will have to be mounted depending on the version used.



Note

When assembling the system, cleanliness and an exact connection of the accessories to the grease gun head is required.

Please use suitable sealing material (e.g. Teflon film), only.

4. Initial or Repeated Operation

Check the completeness of the grease gun and the fixed accessories.

4.1 Filling of the Grease Gun

There are different filling options for the grease gun **PNEUMAxX**.

- ▣ Filling with a grease gun filling pump
- ▣ Filling with a grease cartridge acc. to DIN 1284
- ▣ Filling with a screw-in cartridge

4.1.1 Filling with a grease gun filling pump



<p>Attention!</p> <p>Do not disassemble the grease gun unless having released the pressure before.</p> <p>➤ Before disconnecting the grease gun head from the grease gun tube release the pressure utilizing the ventilation valve on the manual air supply pump, to ensure, that the grease gun tube is pressure-less.</p>	
	<p>Check whether an empty cartridge with the required rubber plunger (in start position) is inserted in the grease gun tube.</p>
	<p>Connect the filling nipple of the grease gun with the filling adapter of the grease gun filling pump and keep it with slight counter-pressure.</p>
	<p>Fill the grease gun operating the filling pump.</p>
	<p>Utilize the ventilation valve on the manual air supply pump before and during every filling process.</p>

4.1.2 Filling with a grease cartridge acc. to DIN 1284

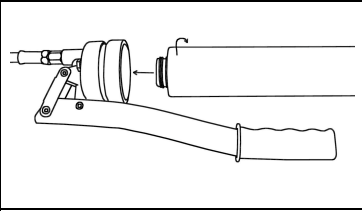
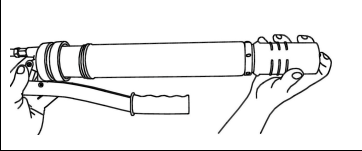


<p>Attention!</p> <p>Do not disassemble the grease gun unless having released the pressure before.</p> <p>➤ Before disconnecting the grease gun head from the grease gun tube release the pressure utilizing the ventilation valve on the manual air supply pump, to ensure, that the grease gun tube is pressure-less.</p>	
	<p>Extract the empty cartridge from the grease gun.</p>
	<p>Remove the end cap from a new grease cartridge and insert the grease plunger into the cartridge.</p>
	<p>Insert the pull-out chain on top of the grease plunger.</p>
	<p>Insert the proper equipped grease cartridge into the grease gun tube utilizing the ventilating valve on the manual air supply pump simultaneously.</p>
	<p>Remove the „pull-off“ cap from the cartridge and connect the grease gun head onto the grease gun tube.</p>

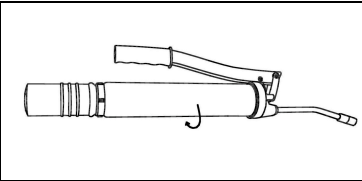
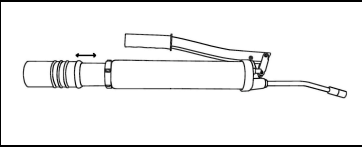
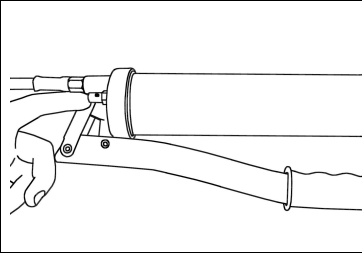
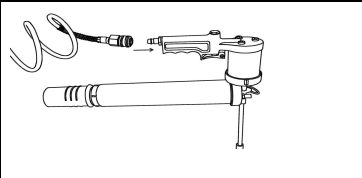
4.1.3 Filling with a screw-in cartridge



<p>Attention!</p> <p>Do not disassemble the grease gun unless having released the pressure before.</p> <p>➤ Before disconnecting the grease gun head from the grease gun tube release the pressure utilizing the ventilation valve on the manual air supply pump, to ensure, that the grease gun tube is pressure-less.</p>	
	<p>Extract the empty cartridge from the grease gun.</p>
	<p>Screw special adapter (Pressol article no. 12091) into the grease gun head.</p>

	<p>Screw open 400 g screw-in cartridge into the adapter.</p>
	<p>Insert the complete grease gun head including the assembled screw-in cartridge onto the grease gun tube utilizing the ventilating valve on the manual air supply pump simultaneously.</p>

4.2 Readiness for Service

	<p>Check whether the grease gun head and the grease gun tube are connected, safely.</p>
	<p>Fill of the compressed air reservoir of the grease gun tube by operating the manual air supply pump.</p>
	<p>For evacuation of the air in the grease gun tube press the combined filling and air evacuation nipple at the grease gun head or operate the manual lever a couple of times.</p>
	<p>When utilizing the PNEUMAxX DLFP use compressed air supply (max. 8 bar) to be connected to the male quick connecting plug as shown.</p>

▣ The **PNEUMAxX** is now ready for operation.



Note			
Grease at 0°C NLGI class	Loading cycles for the total evacuation	Strokes of the manual air supply pump utilizing a full cartridge	Strokes of the manual air supply pump 50% filled cartridge
2	1	10	15
2 – 3	1 – 2	10	20
3	2	10	25

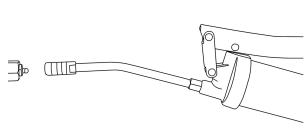
5. Standard Operation

- Check whether the compressed air reservoir is filled operating the manual air supply pump.

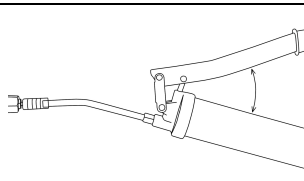


Attention!

Do not use the body of the manual air supply pump as an extension when using the hand lever of the grease gun (risk of fracture)



Connect the grease gun to the grease nipple utilizing the hydraulic coupler.



Start lubricating by operating the hand lever (version hand lever grease gun and one hand grease gun) or by operating the trigger (version air operated grease gun).



Attention!

Overpressure may cause damages of grease gun head and its accessories.

- Do not use force when operating the hand lever or the manual air supply pump.
- Do not use extension tubes or other utilities.
- Do not exceed the operating/supply pressures indicated in chapter 1.3.
- We recommend the use of original accessories according to DIN 1283 only.



Attention!

Overpressure at the point of lubrication may destroy the grease nipple and perhaps even the bearings or the machine itself.

- Do not exceed the operating/supply pressures indicated in chapter 1.3.
- Please pay attention to the maintenance and service advices of the manufacturer of your machine.



Note

To avoid an unintentional grease discharge or leakages – e.g. after having finished the lubricating process or if the grease gun will not be used for a longer period – we recommend the evacuation of the compressed air reservoir utilizing the air ventilating valve on the manual air supply pump.

5.1 Change of Cartridges



<p>Attention!</p> <p>Do not disassemble the grease gun unless having released the pressure before.</p> <p>➤ Before disconnecting the grease gun head from the grease gun tube release the pressure utilizing the ventilation valve on the manual air supply pump, to ensure, that the grease gun is pressure-less.</p>	
	<p>Disconnect the grease gun tube from the grease gun head.</p>
	<p>Keep the grease gun tube with the empty grease cartridge in an upright position as shown, operate the manual air supply pump simultaneously.</p>
	<p>The empty cartridge will be ejected approximately 3 cm for an easy exchange.</p>
	<p>Remove the grease plunger from the empty cartridge utilizing the pull-out chain.</p>

- ▣ Proceed re-filling process as shown in chapter 4.

6. Maintenance/Service

In general, the grease gun **PNEUMAxX** does not require much service and maintenance at all.

Due to the operator's duties the following parts will have to be checked regularly for function, to avoid environmental and material-damages as well as personal harm:

- ▣ Grease gun head
- ▣ Screwed connections
- ▣ Accessories (high pressure hoses, couplers, etc.)

7. Repair/Service

The grease gun **PNEUMAxX** is designed and manufactured according to highest quality standards.

Should any problem occur despite all applied quality precautions, please contact your local PRESSOL representative or our

Sales department

PRESSOL Schmiergeräte GmbH • Parkstraße 7 • 93167 Falkenstein

Tel. +49 9462 17-216 • Fax +49 9462 1063 • service@pressol.com

8. Declaration of the Manufacturer

We herewith declare, that the product indicated in the following confirms in its design and construction as well as in the version delivered to the general international regulations. If the product is operated against its designation, this declaration will loose its validity immediately.

Product	Grease Gun
Type	PNEUMAxX Lever Operated Grease Gun, HHFP One Hand Operated Grease Gun, EHFP Air Operated Grease Gun, DLFP
Applied regulation	89/392/EWG attachment IIA
Applied industrial norm	DIN 1283

30.10.2002

PRESSOL Schmiergeräte GmbH



Dipl.-Ing. Rudolf Schlenker

PRESSOL Schmiergeräte GmbH • Parkstraße 7 • D-93167 Falkenstein

Tel. +49 9462 17-0 • Fax +49 9462 17-208 • info@pressol.com • www.pressol.com