SKF LAGG

SKF LAGG 18M

SKF LAGG 18AE

SKF LAGF 18
SKF LAGF 50

SKF LAGG 50AE
SKF LAGG 180AE

Instructions for use

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Инструкция по эксплуатации | 使用说明书 | Ръководство за употреба | Návod k použití | Betjeningsvejledning
Οδηγίες χρήσης | Kasutusjuhend | Käyttöohjeet | Upute za korisnike | Használati útmutató | Naudojimo instrukcija
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Original instructions

EU Declaration of Conformity LAGG & LAGF

We, SKF MPT, Meidoornkade 14, 3992 AE Houten, The Netherlands herewith declare under our sole responsibility that the products described in these instructions for use, are in accordance with the conditions of the following Directive(s):
MACHINERY DIRECTIVE 2006/42/EC
and are in conformity with the following standards:
EN ISO 12100:2010, DIN EN 809 :1998+A1:2009, EN ISO 4413:2010, EN ISO 4414:2010

Houten, The Netherlands, January 2024

Guillaume Dubois
Manager Quality and Compliance

UK Declaration of Conformity LAGG & LAGF

We, SKF MPT, Meidoornkade 14, 3992 AE Houten, The Netherlands herewith declare under our sole responsibility that the products described in these instructions for use, are in accordance with the conditions of the following Directive(s):
Supply of Machinery (Safety) Regulations 2008 (2008 No. 1597)
and are in conformity with the following standards:
EN ISO 12100:2010, DIN EN 809 :1998+A1:2009, EN ISO 4413:2010, EN ISO 4414:2010

The person authorised to compile the technical documentation on behalf of the manufacturer is SKF (U.K.) Limited, 2 Canada Close, Banbury, Oxfordshire, OX16 2RT, GBR.

Houten, The Netherlands, January 2024

Guillaume Dubois
Manager Quality and Compliance

1. Application

		LAGG 18M	LAGF 18	LAGF 50	LAGG 18AE	LAGG 50AE	LAGG 180AE
Operation	manual	X	X	X			
	air driven				X	X	X
Drum size	18 kg	X	X		X		
	50 kg			X		X	
	180 kg						X
Grease type	NLGI class 0 – 2	X	X	X	X	X	X
Hose	3,5 m *(11.4 ft)*	X			X	X	X
Connection type	DIN 1283 nipple		X	X			
	DIN 71412	X			X	X	X
Trolley included					X		
Optional trolley	LAGT 18-50	X	X	X		X	
Optional trolley	LAGT 180						X

2. Description

2.1 Grease filler pumps LAGF series

LAGF 18 and LAGF 50
The LAGF 18 and LAGF 50 grease filler pumps are designed to fill grease guns, such as the SKF 1077600 or LAGH 400. These pumps can be used to fill all greasing tools that are equipped with a DIN 1283 nipple. These pumps are operated manually by moving the handle up and down.
The LAGF 18 is suitable for use with standard SKF 18 kg drums. The LAGF 50 is suitable for use with standard SKF 50 kg drums.

2.2 Grease pumps LAGG series

LAGG 18M
The LAGG 18M grease pump is designed for high-pressure applications.
The LAGG 18M is suitable for use with standard SKF 18 kg drums.
The nozzle at the end of the hose connects to the lubrication point.
The pump is operated manually by moving the handle up and down.

LAGG 18AE, LAGG 50AE and LAGG 180AE
These grease pumps are designed for high-pressure applications.
The LAGG 18AE is suitable for use with standard SKF 18 kg drums.
The LAGG 50AE is suitable for use with standard SKF 50 kg drums.
The LAGG 180AE is suitable for use with standard SKF 180 kg drums.
These pumps must be connected to a supply of compressed air. The pump supplies grease when the handle is squeezed. The flow of grease stops when the handle is released. The LAGG 18AE is equipped with a trolley.

3. Technical data

For manual pumps			
	LAGG 18M	**LAGF 18**	**LAGF 50**
Maximum pressure	40 MPa *(5 800 psi)*	3 MPa *(430 psi)*	3 MPa *(430 psi)*
Volume / stroke (approximate)	1,6 cm^3 *(0.056 US fl. oz)*	45 cm^3 *(1.5 US fl. oz.)*	45 cm^3 *(1.5 US fl. oz.)*
Suitable drum: inside diameter	265 – 285 mm *(10.4 – 11.2 in)*	265 – 285 mm *(10.4 – 11.2 in)*	350 – 385 mm *(13.8 – 15.2 in)*
Suitable drum: maximum inside height	420 mm *(16.5 in)*	420 mm *(16.5 in)*	675 mm *(26.6 in)*
Weight	6 kg *(13.2 lb)*	4 kg *(8.8 lb)*	6 kg *(13.2 lb)*

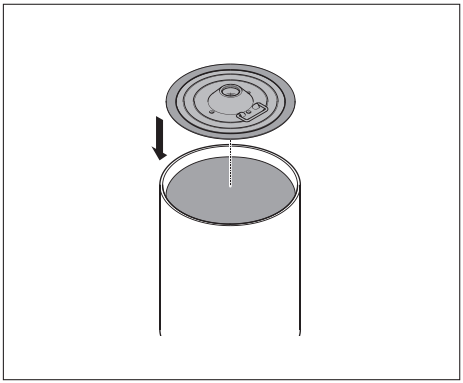
For air driven pumps			
	LAGG 18AE	**LAGG 50AE**	**LAGG 180AE**
Maximum air pressure	8 bar *(120 psi)*	8 bar *(120 psi)*	8 bar *(120 psi)*
Minimum air pressure	3 bar *(40 psi)*	3 bar *(40 psi)*	3 bar *(40 psi)*
Pressure ratio	1:55	1:55	1:55
Maximum grease output pressure	42 MPa *(6 090 psi)*	42 MPa *(6 090 psi)*	42 MPa *(6 090 psi)*
Suitable drum: inside diameter	265 – 285 mm *(10.4 – 11.2 in)*	350 – 385 mm *(13.8 – 15.2 in)*	550 – 590 mm *(21.7 – 23.2 in)*
Suitable drum: maximum inside height	420 mm *(16.5 in)*	860 mm *(33.9 in)*	860 mm *(33.9 in)*
Weight	18 kg *(39.7 lb)*	12 kg *(26.5 lb)*	19 kg *(41.8 lb)*

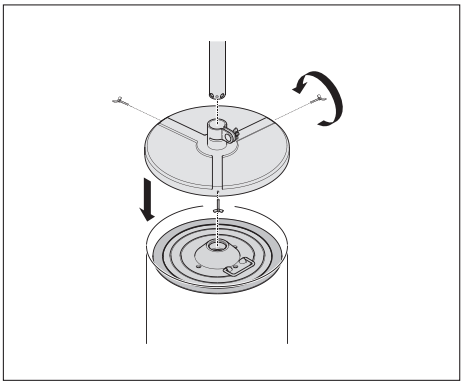
4. Operating instructions

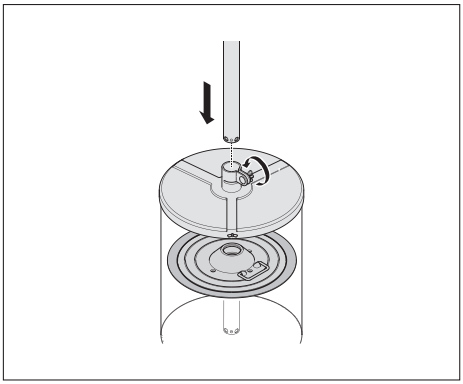
4.1 General preparation

For all models
Contaminant will cause severe wear and ultimately failure of the pump.
Prevent that the piston rod is (temporarily) placed on a dirty surface at any time.

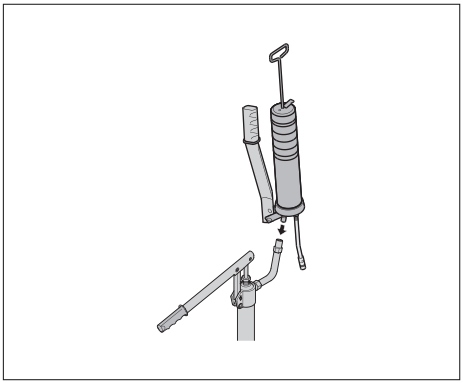
1. Remove the lid of the grease drum.
2. Place the follower plate on top of the grease in the drum. Push the follower plate down until the grease is visible through the centre opening of the plate.
3. Fit the cover plate on top of the drum.
4. Tighten the three butterfly screws to secure the top to the drum. Ensure that the cover plate is centred and securely fixed to the drum.
5. Insert the piston rod of the pump mechanism through the cover plate and the follower plate. Ensure that the piston rod penetrates all the way to the bottom of the drum.
6. Secure the piston rod to the cover plate by tightening the clamp-screw.







4.2 Operation of manually operated grease filler pumps LAGF 18 and LAGF 50



Filling a grease gun or other greasing tool using the LAGF 18 or LAGF 50

1. Push the filling nipple of the grease gun into the filling nozzle of the pump.
2. Do not retract the piston handle on the grease gun prior to filling, since this may cause air to be trapped inside the grease gun.
3. During filling, ensure that the filling nipple is pressed into the filling nozzle. This will automatically open the shutoff valve fitted in the filling nozzle.
4. Fill the grease gun by operating the handle of the filler pump. The grease gun is full when the resistance of the handle of the filler pump increases. Approximately 10 strokes are required to fill an empty grease gun.

4.3 Operation of manually operated grease pump LAGG 18M

1. Connect the grease delivery hose to the grease pump.
2. Check that all of the connections are attached securely.
3. Check that the grease delivery hose is not damaged.
   Replace damaged hoses immediately.
4. Operate the handle until grease is discharged from the outlet. All of the air has now been removed and the grease pump is ready for use.

4.4 Minimum recommended air quality

The air quality should as a minimum satisfy the following conditions;
ISO 8573.1:2001 Compressed air -- Part 1: Contaminants and purity classes.

Solid particle:	Class 4
Water:	Class 4 or better depending on the ambient temperature. (A water vapour pressure dew point at least 10 °C below the ambient temperature is recommended)
Oil:	Class 5

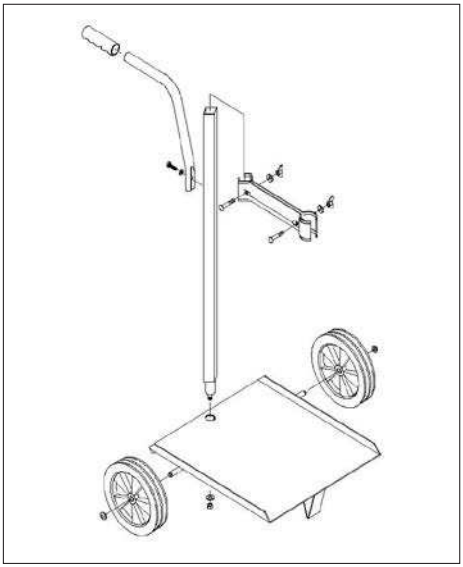
4.5 Operation of air-driven grease pumps LAGG 18AE, LAGG 50AE and LAGG 180AE

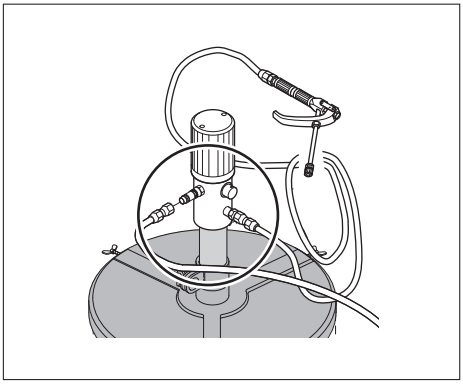
For LAGG 18AE only

1. Assemble the trolley and put the grease drum on the base. The trolley can be used for a 50 kg drum.
2. Connect the trolley bar members around the square trolley rod and the piston rod.
3. Attach the handle and secure it in position by means of the screw.

For all air driven grease pumps

1. Connect the grease delivery hose to the grease pump.
2. Check that all of the connections are attached securely.
3. Check that none of the hoses are damaged. Replace any damaged hoses immediately.
4. Connect the air inlet hose to the quick-connection nipple on the grease pump. Ensure that the inlet air pressure does not exceed 8 bar *(120 psi)*. Installation of an air pressure regulator on the air inlet is recommended to increase the working life of the grease pump mechanism. The grease pump must be connected to a clean and dry air supply. An unfiltered air supply can cause the pump to stall or stop.
5. Squeeze the grease gun handle until grease is discharged from the outlet. All of the air has now been removed and the grease pump is ready for use.





5. After use

For LAGG 18AE, LAGG 50AE and LAGG 180AE only

1. Disconnect the air inlet hose.
2. Release the pressure from the grease pump by operating the grease gun handle.
3. Transfer any possible grease residue to the next grease drum.
4. Dispose of waste grease in an environmentally friendly manner.

6. Storage

Dry place without dust, storage in a well-ventilated dry room

- Shelf life: max. 24 months
- Relative humidity: < 65 %
- Storage temperature: +10 ... +40 °C
- No direct sunlight or UV radiation
- Protection from nearby sources of heat or cold

7. Transportation

Products should be carried out in the carrying case provided by SKF in all instances regardless of distance.
In order to ensure proper protection of the products during transportation, reloading and storage, they must be packed in their carrying cases or other packaging materials that protect the product from damage and loss.

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