Electric Grease Feeding Pump

EFFP

For oil, fluid grease, and grease
For filling centralized lubrication pumps or simple lubrication tasks

Features

- Purely electric drive
- Grease drum sizes from 16 to 25 kg
- Integrated automatic shut-off function for use with grease guns
- For pressures up to 250 bar

Applications

- Filling centralized lubrication pumps, e.g. in the fields of
  - Wind energy
  - Vehicles
- Use as a lubricating aid, e.g. in work- and productionshops

Advantages

- Powerful even where only electrical power is available
- Time- and effort-saving alternative to manual lubrication/filling
- Easy-to-use, also in mobile applications

EFFP Electric Grease Feeding Pump

Technical Data and Pump Designs

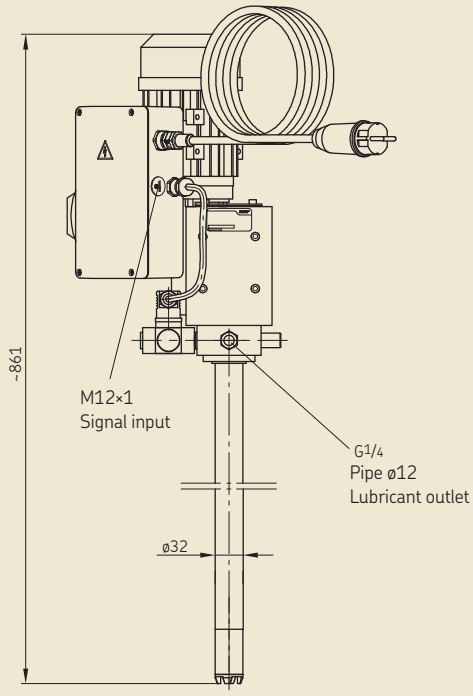
The EFFP electric grease feeding pump is a piston pump for grease drum sizes from 16 to 25 kg. The delivery stroke is generated at the lower end of the intake tube by a delivery piston that is controlled by an electrically driven eccentric shaft. The pump is activated using an ON/OFF switch attached to the terminal box.

An automatic switch-off function is integrated standard and switches the pump motor off once a non-adjustable pressure is reached and switches it on automatically once the pressure has dropped. This technology thus makes it possible to, for example, use a high-pressure gun to lubricate individual lubrication points.

The optional pump design with a signal input allows for automatic activation and deactivation of the filling pump if, for example, the customer handles monitoring of the pump's minimum and maximum fill level.

Technical data

Type	Piston pump
Temperature range	–10 to +60 °C
Mounting position	Vertical
Pump drive	Worm gear drive motor with running capacitor
System voltage	230 V AC/50 to 60 Hz
Motor power	370 W
Protection class	IP54
Insulation class	F
Intake current	2,73 A
Automatic shut-off, fixed	250 bar
Pressure regulating valve, fixed	300 bar
Restart after pressure relief	< 150 bar
Discharge pressure at the pump outlet	250 bar
Electrical connection	Grounded plug, 3 m cable Motor protection via circuit breaker
Lubricant	Flow pressure max. 700 mbar, greases based on mineral oil as well as environmentally friendly and synthetic oils and greases



Electric Grease Feeding Pump

Displacement (50 Hz) (depends on lubricant)[1]	400 cm³/min	200 cm³/min
	Order No.	**Order No.**
Basic design	**24-1560-3577**	**24-1560-3580**
Design with signal input	**24-1560-3578**	**24-1560-3581**

[1] e.g., using SKF LGWM 2/18 at 20 °C

⚠ CAUTION

The important information on product usage located on the back cover applies to all systems described in this brochure.

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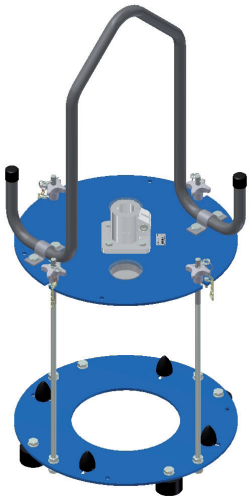
SKF

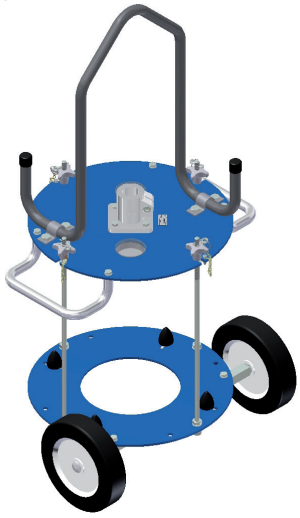
EFFP Electric Grease Feeding Pump

Carrying frame designs and accessories

Carrying frame with machine mount



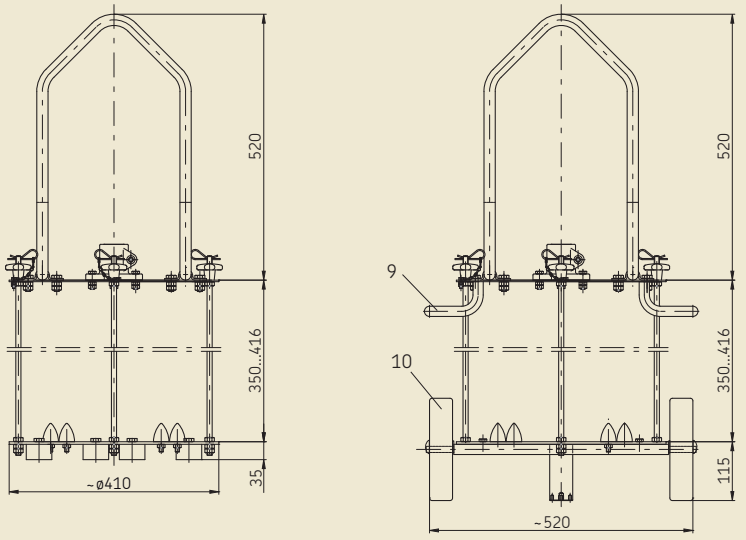
Carrying frame with carrying handle and wheels



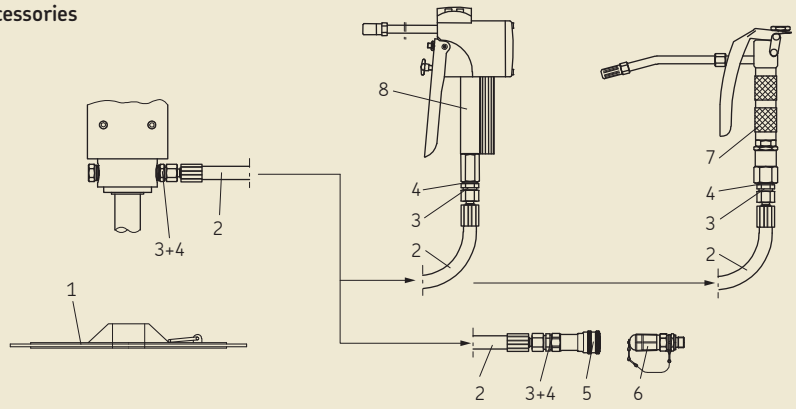
Carrying frame for grease drums from 16 to 25 kg

Designation	Order No.
Design with machine mount	**24-1722-2545**
Design with machine mount and carrying handle	**24-1722-2550**
Design with carrying handle and wheels	**24-1722-2551**
Design with wheels	**24-1722-2552**

Carrying frame



Accessories



Accessories

Item	Designation	Order No
1	Grease follower plate for grease drums	
	ø 265–285	**24-1952-2034**
	ø 285–305	**24-1952-2035**
	ø 305–350	**24-1952-2036**
2	High-pressure hose max. 275 bar nominal diameter 12 mm, connection M18×1.5	
	Length 5 m	**24-1868-4334**
	Length 10 m	**24-1868-4335**
	Length 15 m	**24-1868-4336**
3	Screw union G1/4	**412-423W**
4	Sealing ring for screwed stud end G1/4	**DIN7603-A14×18-CU**
5	Coupling socket G1/4	**995-001-500**
6	Coupler plug G1/4	**995-000-705**
7	Grease gun	**169-000-031**
8	Grease gun with volumetric meter	**24-0455-2902**
9	Handle kit for installation by customer	**24-0204-0001**
10	Wheelset for installation by customer	**24-1709-2018**

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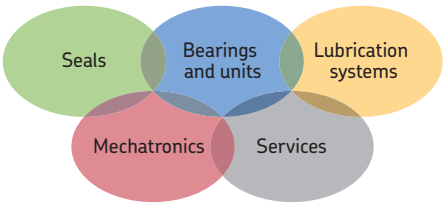

The Power of Knowledge Engineering

Drawing on five areas of competence and application-specific expertise amassed over more than 100 years, SKF brings innovative solutions to OEMs and production facilities in every major industry worldwide. These five competence areas include bearings and units, seals, lubrication systems, mechatronics (combining mechanics and electronics into intelligent systems), and a wide range of services, from 3-D computer modelling to advanced condition monitoring and reliability and asset management systems. A global presence provides SKF customers uniform quality standards and worldwide product availability.

Important information on product usage

All products from SKF may be used only for their intended purpose as described in this brochure and in any instructions. If operating instructions are supplied with the products, they must be read and followed.

Not all lubricants are suitable for use in centralized lubrication systems. SKF does offer an inspection service to test customer supplied lubricant to determine if it can be used in a centralized system. SKF lubrication systems or their components are not approved for use with gases, liquefied gases, pressurized gases in solution and fluids with a vapor pressure exceeding normal atmospheric pressure (1 013 mbar) by more than 0,5 bar at their maximum permissible temperature.

Hazardous materials of any kind, especially the materials classified as hazardous by European Community Directive EC 67/548/EEC, Article 2, Par. 2, may only be used to fill SKF centralized lubrication systems and components and delivered and/or distributed with the same after consulting with and receiving written approval from SKF.

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This brochure was presented to you by:

PUB LS/P2 13149 EN · July 2014 · **1-0309-EN**