

Refill pumps



Description

Filling pumps make it easier to top up lubricants in reservoirs of automatic lubrication pumps. By using original barrels, hoses and couplings, it is ensured that no dirt gets into the reservoir during the filling process. Contaminated lubricants that enter the reservoir during manual filling via the open reservoir lid are the greatest risk of malfunctions in a centralized lubrication system.

Depending on the desired degree of automation, the filling pumps can be supplied with manual, compressed air or electric drive.

For longer transport distances, the use of a filling pump on a trolley is recommended.

Features and benefits

- Improved maintenance of all lubrication systems
- Easy-to-use, application-optimized product design
- Quick and professional refilling with contamination prevention, compared to manual grease refilling
- Optimized consumption of refilling barrel lubricants due to use of perfectly suited barrel follower plates
- Wide range of filling pumps for all common reservoir sizes

Applications

- General mechanic and plant engineering
- Agriculture and forestry industry
- Construction machinery
- Pulp and paper industry
- Renewables industry
- Oil and gas industry
- On-road vehicles
- Heavy industry
- Etc.

Refill pumps

Filler cylinder



Description

Lubricant outlets of automatic lubrication system pumps can, as an option, be equipped with one suitable filler socket in order to fill the unit using a filling cylinder (cartridge). A filler cylinder is only recommended for systems with low lubricant consumption and reservoir sizes up to 2 kg.

Features and benefits

- Robust and sustainable manual filler pump
- Knurled body for firm and safe grip
- Easy to use

Applications

- General mechanic and plant engineering
- Agriculture, construction, automotive, trucking
- General industry
- Heavy equipment
- Wind energy



Technical data

Function	manually operated cartridge filler cylinder
Reservoir capacity	420 ml; 14.2 fl oz
Operating temperature	-18 to 50 °C; 0 to 122 °F
Lubricant	grease up to NLGI 2
Material	steel, metal, plastic

Order information

Order number	Designation	Thread
		mm
169-000-171	FILLER CYLINDER	–
169-000-174	FILL CONNECTION	M20x1,5
5590-00000002	FILL CONNECTION	M22x1,5

Refill pumps

Manual and pneumatic filling pumps



Description

The 169 series of filling pumps is available in manual or pneumatic models that are suitable for barrel sizes of 15, 20, 25 and 50 kg. The pumps are offered in stationary or mobile versions.

Features and benefits

- Easy and cost-efficient filling of pump reservoirs
- No contamination of the lubricant during the filling process
- Steel pump with guided grease follower piston
- Centering cover that positions the pump centrally in the barrel and ensures optimum residual emptying

Applications

- Construction and agriculture vehicles
- Production plants

Technical data

Function	filling pump
Design	manually operated filling pump
Delivery rate	max. 100 g/stroke; 10 oz/stroke
Design	pneumatically operated filling pump
Delivery rate	max. 1 800 g/min; 3.97 lbs/min
Ratio	1 : 3
Operating pressure	max. 24 bar; max. 348 psi
Air pressure	max. 8 bar; max. max. 116 psi
Barrel capacities	15, 20, 25 and 50 kg
Operating temperature	-10 to +40 °C; 14 to 104 °F
Lubricant	fluid grease and grease up to NLGI 2
Coupling	acc. to ISO 241 B DN6 R 1/4
Hose length	2 m; 6.5 ft
Material	steel, metal, plastic
Dimensions	max. 550 x 550 x 950 max. 21.65 x 21.65 x 37.4

Order information

Order number	Designation	Drum			Lubricant	Delivery rate per Weight stroke			
		kg	mm	in		cm ³	in ³	kg	lb
169-000-004	MANUAL FILLING PUMP 15L,STATIONARY	15	267	10.5	NLGI 1/2	4	0.25	4,383	9.66
169-000-012	MANUAL FILLING PUMP 10L,STATIONARY	10	236	9.3	NLGI 1/2	25	1.53	4,68	10.32
169-000-016	MANUAL FILLING PUMP 20L,STATIONARY	20	290	11.4	NLGI 1/2	25	1.53	5,12	11.30
169-000-082	MANUAL FILLING PUMP 25/50L,MOBILE	25/50	350 ¹⁾	13.8 ¹⁾	00/000	100	6.1	7	15.43
169-000-084	MANUAL FILLING PUMP 25L,MOBILE	25	350 ¹⁾	13.8 ¹⁾	00/000	250	15.3	4	8.82
169-000-042	MANUAL FILLING PUMP 25L,MOBILE	25	300-335	11.2-13.2	NLGI 1/2	45	2.7	16,8	37.04
169-000-054	MANUAL FILLING PUMP 50L,MOBILE	50	355-387	14-15.2	NLGI 1/2	45	2.7	10	22.05
169-000-342	MANUAL FILLING PUMP 25L,STATIONARY	25	300-335	11.2-13.2	NLGI 1/2	45	2.7	6,38	14.06

169-000-018	FILLING PUMP, PNEUM. 25L, MOBILE	25	300-335	11.2-13.2	NLGI 1/2	45	2.7	16,8	37.04
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¹⁾ max. outer diameter

Refill pumps

Compact grease transfer pump GTP-C



Description

To use the GTP-C, simply turn on the main switch located on the terminal box. The function status is shown by two LEDs, with green indicating power supply and yellow indicating the pump's operational readiness. The GTP-C will deliver grease continuously while the button on the wired remote control is pressed. The grease in the drum or pail is drawn below the follower plate and fed by the pump. When the follower plate reaches the bottom of the drum, it activates an empty signal switch that automatically shuts off the pump. Replacing the empty grease drum is simplified by opening the vent.

Features and benefits

- Purely electric drive
- Filling hose with quick-release coupling or connection with M30x2 thread
- High delivery volume up to 1 100 cm³/min (0.29 gal/min)
- Powerful performance with no air connection required
- Fast filling even at low temperatures
- Time- and effort-saving alternative to manual filling
- Easy-to-use in mobile applications

Applications

- Wind energy
- Service and maintenance trucks
- Mining and construction vehicles
- General mechanical and plant engineering

Technical data

Function	electrically operated gerotor pump
Delivery rate	max. 1 100 cm ³ /min; 67 in ³ /min
Barrel capacities	5 gal. (only 799-000-3161) 25 kg/30 l 50 kg/60 l 180 kg/216 l
Operating temperature	-10 to +50 °C; 14 to 122 °F
Lubricant	grease up to NLGI 2
Outlet fitting	quick-release coupling or connection with M30x2 thread
Rated delivery pressure	max. 100 bar; 1450 psi
Material	steel, metal, plastic
System voltage	230 V AC/50 or 120V AC/60 Hz
Motor power	0,37 kW
Protection class	IP54
Insulation class	F
Electrical connection	grounded plug, 3 m (9.8 ft) cable - motor protection via circuit breaker
Activation	wired remote control (5/10/15 m)
Dimensions (pump only)	250 x 597 mm; 9.13 x 26.38 in

Order information

Order number	Description	Approval
799-000-3161	Filling pump mounted on frame with fol-lower plate in transport pail, 120 V AC/60 Hz	UL
799-000-3109	Filling pump mounted on frame with fol-lower plate in transport pail, 230 V AC/50 Hz, 25 kg reservoir	CE
799-000-3119	Filling pump mounted on frame with fol-lower plate in transport pail, 230 V AC/50 Hz, 50 kg reservoir	CE
799-000-3118	Filling pump mounted on frame with fol-lower plate in transport pail, 230 V AC/50 Hz, 180 kg reservoir	CE

Refill pumps

Grease transfer pump GTP



Description

Pump frames for grease drum sizes of 50 to 200 kg are available on request. The pump is ready for operation after switching on the main switch on the terminal box. The function status is shown by 2 LEDs. Green indicates the power supply and yellow the pump's operational readiness. The pump delivers grease.

Features and benefits

- Powerful even where only power connection (no air connection) is available
- Time- and effort-saving alternative to manual filling
- Filling hose with quick-release coupling or connection with M30x2 thread
- High delivery volume up to 2 500 cm³/min (152 in³/min)
- Fast filling even at low temperatures
- Easy-to-use in mobile applications
- For pressure up to 100 bar

Applications

- General mechanical and plant engineering
- Construction and aggriculture
- Wind energy
- Vehicles
- Railway



Technical data

Function	electrically operated gerotor pump
Delivery rate	max. 2 500 cm ³ /min; 152 in ³ /min
Barrel capacities	25 kg/30 l (futher on request)
Operating temperature	-10 to +50 °C; 14 to 122 °F
Lubricant	grease up to NLGI 2
Outlet fitting	quick-release coupling or connection with M30x2 thread
Rated delivery pressure	max. 100 bar; 1 450 psi
Material	steel, metal, plastic
System voltage	230 VAC/50 Hz
Motor power	0,75 kW
Protection class	IP54
Insulation class	F
Electrical connection	grounded plug, 3 m cable - motor protection via circuit breaker
Activation	wired remote control (5/10/15 m)
Dimensions (pump only)	250 x 993 mm; 6.8 x 39 in

Order information

Order number	Description	Approval
24-1560-3576	Filling pump with transport bracket and plug and socket coupling	CE
24-1560-3595	Filling pump without transport bracket and plug and socket coupling	CE
24-1722-2557	Pump frame with follower plate for grease drums 25 kg/30 l with empty signal	CE
24-1722-2559	Pump frame with follower plate for grease drums 25 kg/30 l, without empty signal	CE

Refill pumps

Electric filling pump EFPF



Refill pumps

Description

The EFPF electric grease filling 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.

Features and benefits

- Suitable for pressures up to 250 bar
- Suitable for oil, fluid grease and grease
- Integrated automatic shut-off function for use with grease guns

Applications

- Wind energy
- Stationary and mobile vehicles

Technical data

Function	electrically operated piston pump
Delivery rate	max. 400 cm ³ /min; 24 in ³ /min
Barrel capacities	16 and 25 kg
Operating temperature	-10 to +60 °C; 14 to 140 °F
Lubricant	oil, fluid grease and grease up to NLGI 2
Outlet fitting	G 1/4
Automatic shut-off, fixed	250 bar
Pressure regulating valve, fixed	300 bar
Restart after pressure relief	< 150 bar
Material	steel, metal, plastic
System voltage	230 V AC/50 to 60 Hz
Motor power	370 W
Protection class	IP54
Insulation class	F
Intake current	2,73 A
Electrical connection	grounded plug, 3 m cable - motor protection via circuit breaker
Dimensions (pump only)	550 x 900 mm; 21.7 x 35.4 in

Order information

Order number	Designation	Weight	
		kg	lb
24-1560-3577	EL. BARREL PUMP EFPF	34,5	76.07
24-1560-3578	EL. BARREL PUMP EFPF WITH SIGNAL INPUT	34,9	76.95
24-1868-4334	HIGH-PRESSURE HOSE, MAX. 275 BAR, 5 M	—	—
412-423W	SCREW UNION G1/4A 412-423W	—	—
995-001-500	COUPLING BELL G1/4	—	—
995-000-705	COUPLING PLUG G1/4	—	—
169-000-031	GREASE GUN	—	—

Accessories for EFPF

Order number	Designation	Drums	Weight	
			kg	lb
24-1722-2545	CARRYING FRAME	16/25	13,2	29.11
24-1722-2551	CARRYING FRAME WITH HANDLE AND WHEELS	16/25	16,6	36.60
24-1722-2552	CARRYING FRAME WITH WHEELS	16/25	15	33.08
24-1952-2034	FOLLOWER PLATE Ø 265-285	16/25	0,7	1.54
24-1952-2035	FOLLOWER PLATE Ø 285-305	16/25	1	2.21
24-1952-2036	FOLLOWER PLATE Ø 305-350	16/25	1,5	3.31