

# PM35 Pump

## 60:1, Air-operated, Grease

### General

The PM35 Pump is a compressed air-operated reciprocating piston pump designed to pump all types of mineral greases. Suitable for installations with medium length piping to supply up to three grease outlets simultaneously. This pump is mounted directly on 35 lb pails or 120 lb and 400 lb drums.

### Operation

This pump is self-priming. To prime it the first time, connect the air supply to the pump while keeping the outlet gun opened and increase the air pressure from 0 to the desired pressure slowly using a pressure regulator. Once grease starts flowing through all the outlets, the pump is primed. The pump starts to pump automatically when the outlet valve is opened. *(Note: It is important that the lower valve does not come into contact with contaminated surfaces, such as a workshop floor, as it may become contaminated with dirt or foreign particles that can damage the pump mechanism.)*

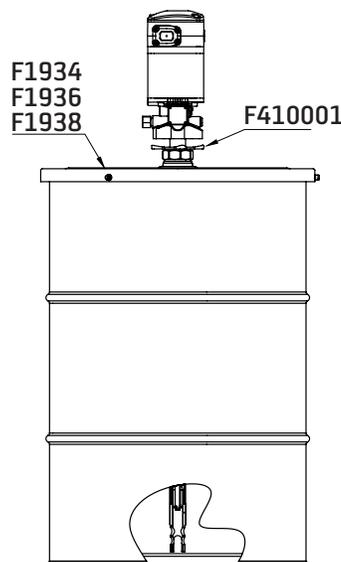
### Technical Data

Maximum Air Pressure	145 psi (10 bar)
Minimum Air Pressure	20 psi (1.5 bar)
Maximum Fluid Outlet Pressure	8700 psi (600 bar)
Maximum Delivery @ 80 cpm (cycles per minute)	1.1 lb (500 gr/min)
Air Inlet Thread	3/8" NPTF
Grease Outlet Thread	3/8" NPTF
Air Motor Diameter	3.15" (80mm)
Air Motor Stroke	3.15" (80mm)
Wetted and seal materials	Cast Iron / Hard chromed steel / Steel / uhmwpe / nbr /PTFE / Viton®



### Installation

To install the pump on the drum, use the included bung adapter. Fasten the cover (part #F1934 for 35 lb pail, part #F1936 for 120 lb keg and part #F1938 for 400 lb drum) onto the container and screw the nut of the F410001 bung adapter into the 2" bung opening of the cover. Insert the pump through the nut and fix it with the star nut to the desired height.



**ATTENTION**  
Always keep fingers and hands away from moving parts. Do not dent or damage the riser tube.



**ATTENTION**  
Ensure that the mounting surface and attachments are strong enough to support the lift and pump assembly during operation.

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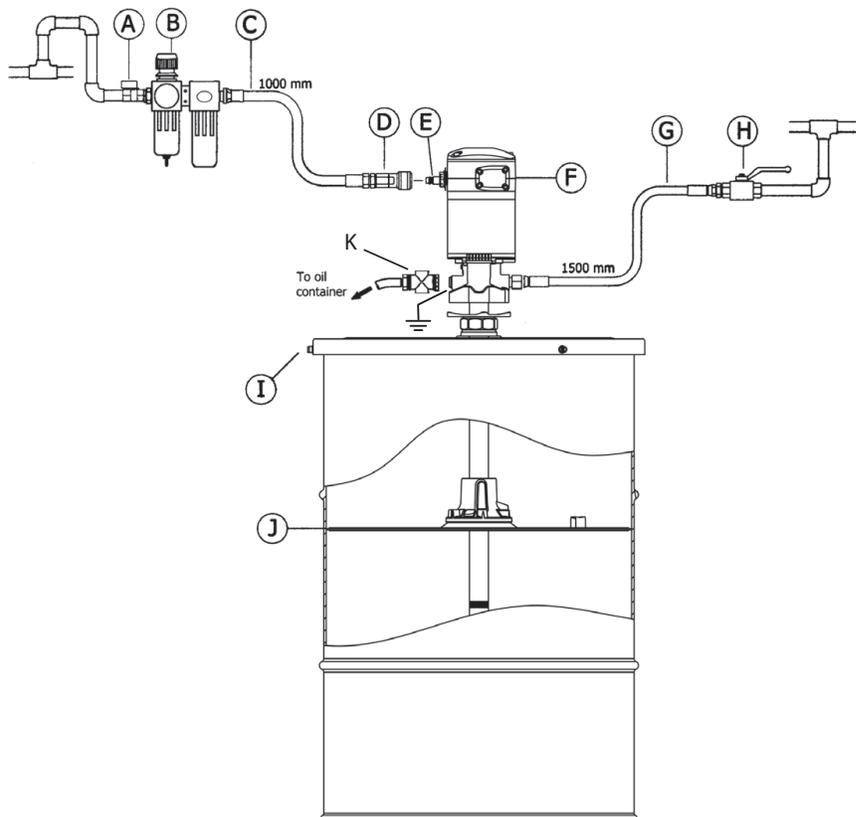
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# PM35 Pump

## 60:1, 3+3, Air-operated, Grease

### Typical Layout

See drawing below for typical layout with all the recommended accessories for the pump to operate correctly. The compressed air supply must be fixed between 40 and 140 psi (3 and 10 bar). The recommended pressure is 90 psi (6 bar). An air shut-off valve must be installed to be able to close the compressed air line at the end of the day (if the air inlet is not closed and there is leakage in some point of the grease outlet circuit, the pump will start automatically, emptying the container).



Item	Description	Part Number
A	Air shut-off valve	F2088
B	Filter regulator	F985
C	Air hose	F813
D	Quick coupling	F938
E	Connection nipple	F941
F	Pump	35lb F530631 / 120lb F530621 / 400lb F530611
G	Grease hose	F884
H	Grease shut-off valve (HP)	F2077
I	Cover	35lb F1934 / 120lb F1936 / 400lb F1938
J	Follower plate	35lb F962 / 120lb F964 / 400lb F966
K	Pressure Relief valve	F609008

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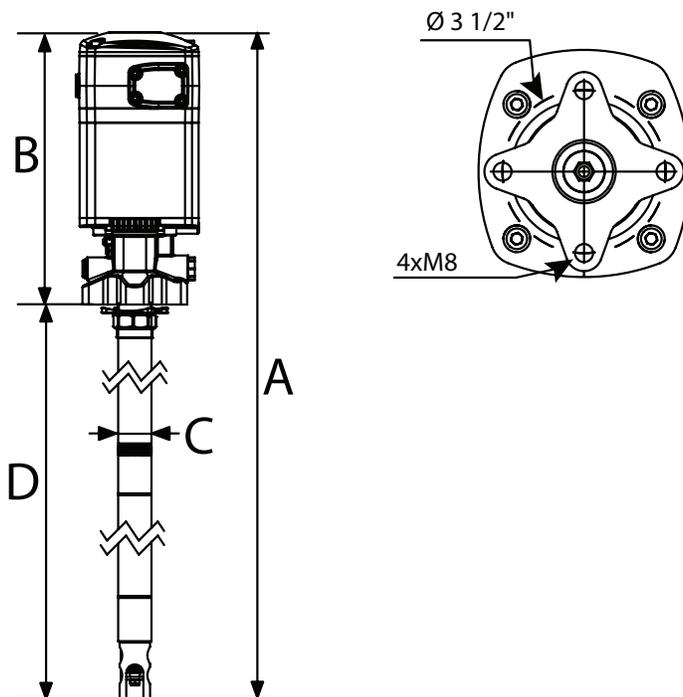
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### How to Order

Description	Drum Size	Part #
PM35 Pump	35 lb	F530631
	120 lb	F530621
	400 lb	F530611

When ordering, specify by name, description and part number, e.g. PM35 Pump, 120 lb Drum, Part #F530621.



### Dimensional Schematics

Part #	A	B	C	D
F530631	803mm (31.6")	287mm (11.0")	35mm (1.40")	516mm (20.3")
F530621	1017mm (40.0")	287mm (11.0")	35mm (1.40")	730mm (28.7")
F530611	1212mm (47.7")	287mm (11.0")	35mm (1.40")	925mm (36.4")

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