

Pump unit

83167



Product description

Model 83167 is an air-operated, positive-displacement pump delivering a maximum volume by means of a single stroke of the pump. Solenoid air valves and adjustable, solid-state time controls are integrated into the pump body. This pump unit is designed to deliver grease to single-line metering devices and includes a special high-volume refill fitting. Acrylic reservoirs are available in several sizes. Integrated controls feature LED indicators for "Power On", "Pump On" and "Alarm," along with a membrane-type, "Manual Lube" switch. Model 83167 includes a transparent reservoir, spring-loaded follower, vent valve assembly and filler fitting for refilling the reservoir.

Features and benefits

- 2 1/2 inch air motor
- Vent valve assembly
- Operation by air-powered reciprocating strokes and vents through included check/vent valve (3-way) on air-powered return stroke
- Remote system components such as 3/2-way valves, adjustments for air power, and monitoring of pump are available separately on request
- Two different filling couplers available
- For use with metering devices of category 5, 6 and 7

Applications

- Cement industry
- Food and beverage



Grease

Technical data

Order number	83167
Function principle	pneumatically operated, reciprocating piston pump
Outlets.	1
Metering quantity	197 cm ³ /min, 12 in ³ /min
Lubricant.	grease NLGI 0, 1, 2
Operating temperature	-35 to +104 °C -30 to +220 °F
Operating pressure	min. 82 bar, 1 200 psi max. 240 bar, 3 500 psi
Transmission ratio	40:1
Reservoir.	5 kg, 11.0 lb
Material	acrylic, nitrile, neoprene, steel, aluminum, zinc
Connection outlet	3/4 NPTF (F)
Air inlet	1/8 NPTF (F)
Dimensions	413 × 229 × 571,5 mm 16.25 × 9.0 × 22.5 in
Mounting position	vertical

Pump requires 3-way air valve
Air consumption at 6,9 bar, 100 psi, is 0,004 M³/min, 0.15 ft³/min, per stroke