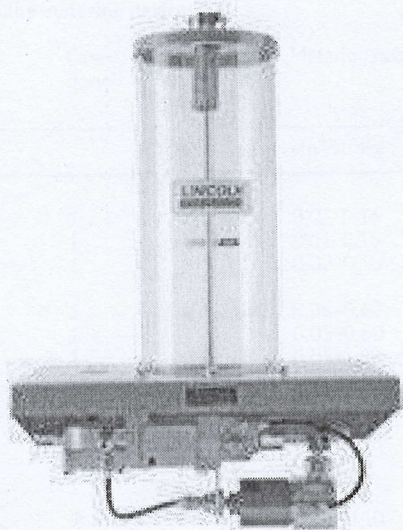


Pump unit

283167



Description

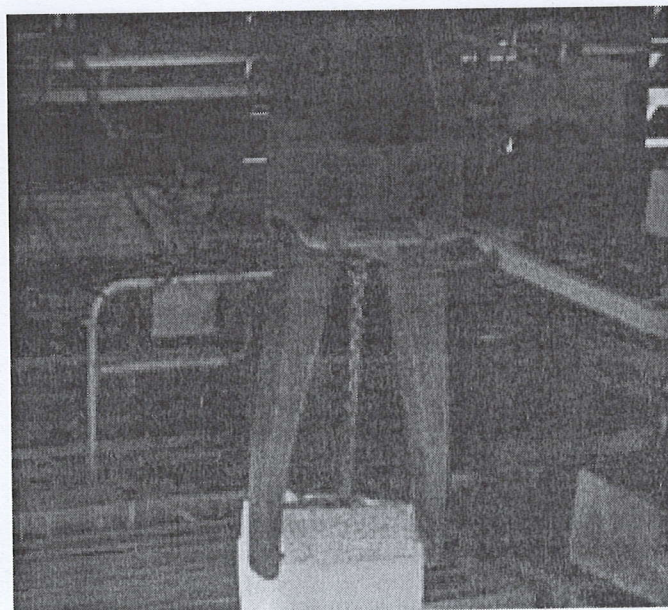
Pump model 283167 includes air motor, vent valve, translucent reservoir with filler cap, strainer and 1 200 psi (82 bar) safety unloader. Pump is an oscillating positive displacement pump with pneumatic drive. The change-over valve of the pump drive controls reciprocating of the pump strokes (discharges oil to outlet on forward stroke and sucks oil on back stroke). The reciprocating pump operates under air pressure and as such discharges material until the required system oil pressure is built up. The shut off and monitoring of the pump must be initiated by a pressure switch, 3/2 way air valve, components to limit and adjust the air operating pressure. These parts are to be furnished on site of the user.

Features and benefits

- Reservoir with filler cap and internal strainer
- Vent valve assembly enclosed
- Remote system components available upon request
- Suitable for use with oil metering devices of category 3 and 4 (→ page 69)

Applications

- Steel mills
- Glass manufacturing plants
- Packaging
- Plastic processing
- Material handling
- Food and beverage
- Metal cutting, metal forming
- Systems with many lubrication points



Technical data

Order number	283167
Function principle	air, reciprocating piston pump
Outlets	1
Metering quantity	1,97 cm ³ /stroke, 0.12 in ³ /min
Working frequency	max. 100 cycles/min
Lubricant	oil, synthetic oils on request
Operating temperature	-23 to +65 °C -10 to +150 °F
Operating pressure	max. 70 bar, 1 000 psi
Reservoir	7,1 l, 7 100 cm ³ , 1.8 gal, 433 in ³
Material (reservoir)	acrylic
Air inlet connection	1/8 NPTF (F)
Connection outlet	3/4 NPTF (F)
Transmission ratio	40:1
Air valve	required, 3-way
Dimensions	591 × 229 × 413 mm 23.25 × 9 × 16.25 in
Mounting position	vertical

Note:
When operating the pump with air pressure > 1,7 bar a pressure switch for oil is required to limit the oil pressure (max. 68 bar) of the central lubrication system.



NOTE

Further technical information, technical drawings, accessories, spare parts or product function descriptions available on SKF.com/lubrication.