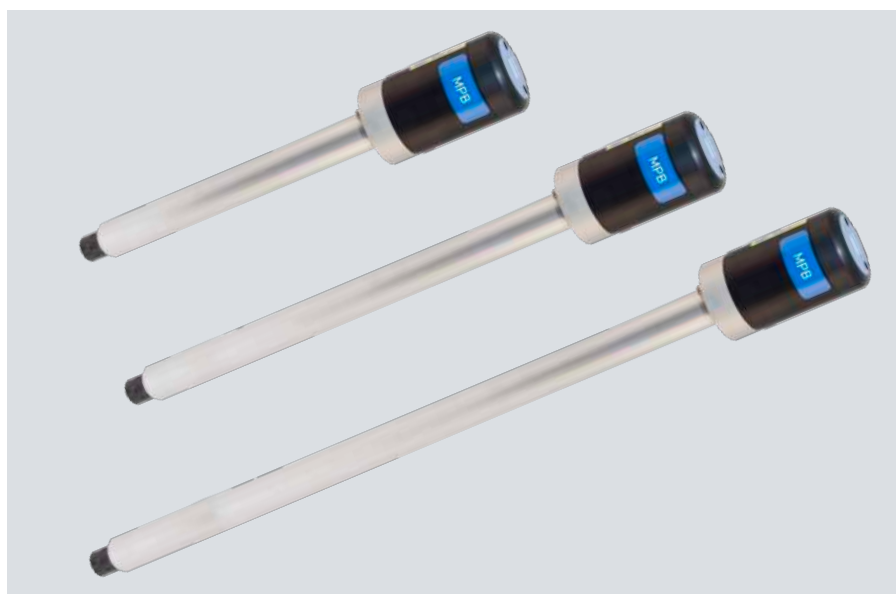


Air-operated barrel pump MPB

For use in progressive, dual-line and single-line lubrication systems

The SKF Lincoln MPB pump unit has some unique new features and it is especially designed for automatic lubrication systems. The most essential difference is that it has a magnetically operated air motor valve while the traditional air-operated pumps have a mechanical air motor valve. This will reduce the amount of mechanical components and also eliminates the need of lubrication in the air motor.

The pump is suitable for use with 18, 50 and 180 kg (40, 120 and 400 lb) lubricant barrels. When equipped with a suitable adapter, the MPB pump unit can also be used in lubricant bulk containers. In addition to various grease NLGI classes the MPB pump unit can also be used to pump oil grades up to 10 000 mm²/s.



MPB pump size variants

Features and benefits

- Lubrication-free air motor
- Fewer mechanical components extend service life of the air motor
- Operates effectively in a wide range of temperatures
- IP 65 protection rating

Applications

- Paper industry
- Steel industry
- Heavy industry



NOTE

Further technical information,
about Maxilube
PUB 18266 EN

Technical data

| | |
|------------------------|---|
| Function principle | Air-operated piston pump for barrels |
| Operating temperature | -10 to +55 °C, +14 to +131 °F |
| Operating pressure | max. 300 bar, 4 350 psi |
| Pressure ratio | 1:65 or 1:20 |
| Pressure air supply | 2 to 4,5 bar, 29 to 65 psi |
| Air consumption | max. 300 l/min 80 gal/min |
| Lubricant | up to NLGI 2 class |
| Max oil viscosity | 10 000 mm ² /s (cSt) |
| Metering quantity | max. 850 g/min (1:65) max. 1900 g/min (1:20) |
| Drum capacity | 18, 50 and 180 kg, 40, 120 or 400 lb |
| Protection class | IP65 |
| Dimensions (w x h x d) | depending on the model min. 650 x 130 x 130 mm max. 920 x 130 x 130 mm min. 25.6 x 5.11 x 5.11 in max. 36.22 x 5.11 x 5.11 in |
| Mounting position | vertical |



Designation configurator

MPB-PUMP

–

Product series

MPB-PUMP = air-operated barrel pump

Lubricant barrel size to be fit in

1/8 = lubricant barrel capacity: 18 kg, 40 lb

1/4 = lubricant barrel capacity: 50 kg, 120 lb

1/1 = lubricant barrel capacity: 180 kg, 400 lb

1/1-1:20 = lubricant barrel capacity: 180 kg, 400 lb; ratio 1:20 (recommended for oil)

Available models

| Order no. | Designation |
|---------------------------|--------------------------|
| MPB-pump | |
| 12381700 | SKF-MPB-PUMP-1/1 |
| 12381701 | SKF-MPB-PUMP-1/4 |
| 12381702 | SKF-MPB-PUMP-1/8 |
| 12381703 | SKF-MPB-PUMP-1/1-1:20 |
| Lid sets | |
| 12381381 | MAXV2-LIDSET-1/1-ECO-MPB |
| 12381382 | MAXV2-LIDSET-1/4-ECO-MPB |
| 12381383 | MAXV2-LIDSET-1/8-ECO-MPB |
| 12381384 | MAXV2-LIDSET-1/1-STA-MPB |
| 12381385 | MAXV2-LIDSET-1/4-STA-MPB |
| 12381386 | MAXV2-LIDSET-1/8-STA-MPB |
| 12381387 | MAXV2-LIDSET-1/1-OS-MPB |
| 12381388 | MAXV2-LIDSET-1/1-LG-MPB |
| Air regulator unit | |
| 12382666 | MAX-V2-SET-MPB |



Lid set ECO



Lid set STA



Lid set OS



Lid set LG



Air regulator unit

SKF Lubrication Systems

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