

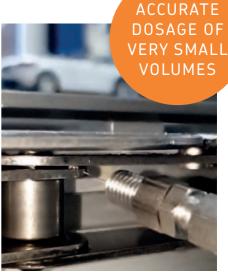
SKF Lincoln injection oilers

Super precise oil metering

Updated with models providing a fixed metering volume of 2 or 3 mm³/stroke







The SKF Lincoln injection oiler is designed to precisely lubricate with very small, fixed metering volumes.

An improved piston design with a smaller diameter provides high accuracy and very small volumes.

The oil flow with very small volumes allows to reduce maintenance times while keeping the machine working. In addition, the very small volumes also help to reduce the total oil consumption.

The oil can be supplied from one central reservoir, a standalone reservoir, or by a central pressurized oil line. Metering elements can be actuated individually but also in groups. Injection oilers without reservoir can be combined to groups of maximum six oilers to support up to six lubrication points.

The versions with fixed metering extend the SKF line of injection oilers.

Injection oilers work reliably in applications requiring precise dosing including oil/air lubrication of pneumatic cylinders and spindles, oil spindle lubrication and oiling to support assembly tools.

Benefits:

- High accuracy
- Precise oil metering with very small, fixed metering volume
- Reduced total oil consumption
- Reduced maintenance time
- Improved process safety
- Combination to groups of maximum six oilers









4-port version without reservoir

Technical data

Function principle Air-operated high-precision piston

pump

Lubricants Mineral and synthetic oils

with NBR-elastomeres, copper and copper alloys at an operating viscosity of

20-1 100 mm²/s

-10 to +40 °C Operating temperature +14 to 104 °F

Oil supply

Gravity reservoir or with max. 3 bar prepressure

Reservoir capacity 0.251 0.066 gal

Number of outlets 1 to 6

0.012 in³/stroke Delivery rate ±20% 2 mm³/stroke 0.018 in³/stroke 3 mm³/stroke

Outlet connection M6x0.75 for pipe Ø2.5 mm

Solderless pipe union

Inlet air connection G1/8

3-8 bar Inlet air pressure 43.5-116 psi up to 38 bar up to 551 psi Max. back pressure

Actuation frequency min. 2 Hz

Protection class IP 54

Mounting position

Outlet horizontal With reservoir

Without reservoir Any, preferably with outlet upright

Dimensions (W×D×H)

1-port version w/o reservoir 95×56.8×40 mm 3.74×2.23×1.57 in 1-port version w reservoir 117×73×128 mm 4.6×2.87×5.04 in

Weight

0.44 lb 1-port version w/o reservoir 0.20 kg 1-port version w reservoir 0.48 kg 1.06 lb

Materials

Reservoir PETP

Seals NBR, aluminium Housing Aluminium

Brass, steel zinc plated Fittings

Order details

Description Part number

Injection oiler with fixed metering of 2 mm³/stroke

501-301-302 1-port version w/o reservoir 501-301-312 1-port with reservoir 1) 501-302-302 2-port version w/o reservoir 501-304-302 4-port version w/o reservoir 6-port version w/o reservoir 2) 501-306-302

Injection oiler with fixed metering of 3 mm³/stroke

501-301-303 1-port version without reservoir 501-301-313 1-port with reservoir 1) 501-302-303 2-port version w/o reservoir 501-304-303 4-port version w/o reservoir 501-306-303 6-port version w/o reservoir 2)

- ¹ The gravitiy reservoir is approved for use with the 1-port version only.
- ² More then six modules on request

Accessories / Spare parts

Part number Description 881-270-000 Mounting bracket 995-900-105+PL3 Reservoir, complete



For fittings and accessories, please refer to the extensive product catalogue "Fittings and accessories for lubrication systems"

→PUB LS/P1 15859 EN

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