OCL-M (Oil Chain Lubrication – Mechanical)

Smooth chain lubrication

Reduce maintenance, increase safety and extend your chain life



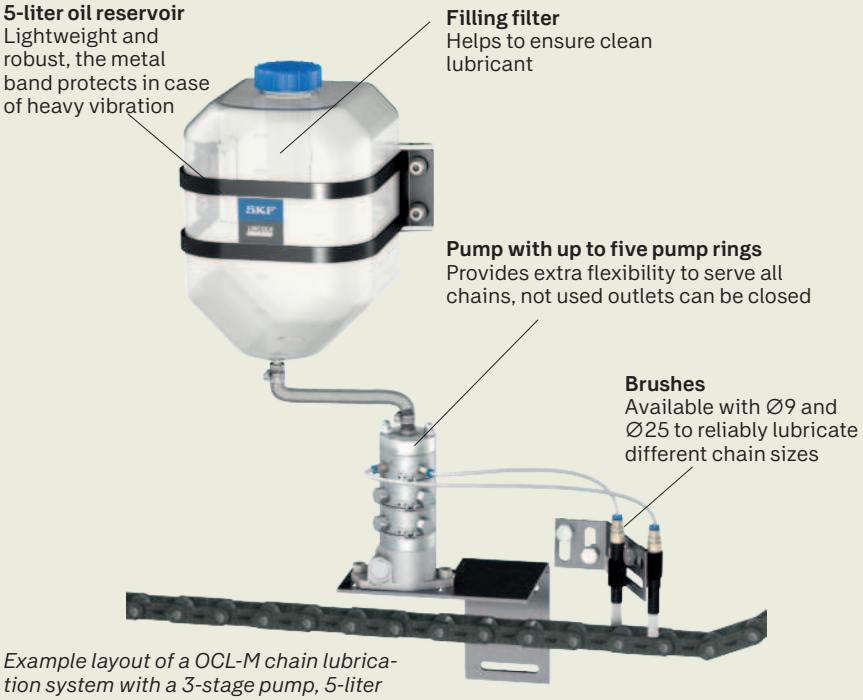
OCL-M eliminates the need for manual lubrication, improving safety and reducing lubricant costs.

The SKF Lincoln OCL-M system dispenses precise amounts of lubricant to the moving chain, extending chain life and improving machine reliability.

The OCL-M automatic lubrication system reduces chain wear and the risk of downtime. It offers a five-fold increase in chain and service life compared to manual lubrication, giving operators confidence in their machinery's operation.

The system's robust design withstands harsh conditions like dust and vibration, and its brushes clean the chain during operation. Being mechanically driven, it requires no hydraulic or electrical fittings and minimal after-sales service.

Available as a pre-configured kit, it's easy to select and install, enhancing operational efficiency.



Example layout of a OCL-M chain lubrication system with a 3-stage pump, 5-liter reservoir and two brushes

UP TO 5X INCREASED CHAIN LIFE



System benefits:

- Dispenses precise amounts of lubricant
- Lubricates while the chains are running
- Extends chain life up to five times
- Reduces maintenance, improves safety and cuts overall lubricant cost
- Robust design withstands harsh operating conditions
- Can be adjusted to serve up to 20 lubrication points at the chains
- Easy selection and installation
- Available as a pre-configured kit, or in various component sets for an individual kit compilation
- Short payback time

The heart of the system is a pump with a high degree of configuration features

The OCL-M pump, mounted directly on a machine's shaft, dispenses precise amounts of oil to the moving chain during operation.

Customers can select from two gear ratios (1:6.75 and 1:27) to drive the pump, which operates reliably regardless of drive shaft rotation due to its worm gear reversibility.

With three different pump elements and four lubricant outlets each, a wide range of lubricant dosage is possible. Up to five pump elements can be combined, and the output of each element is easily adjustable via an adjustment disk, with the initial setting visible for tracking. Self-lubricating pump elements and pressure pistons reduce wear and increase service life.

These features enable system adaptation for lubricating larger machinery or operating under more demanding conditions.

How to order



The easiest and fastest way to order an OCL-M is to choose a pre-defined kit for a certain number of outlets.

OCL-MK-0001300-3 OCL-M-Kit for up to 12 outlets

OCL-MK-0031200-3 OCL-M-Kit for up to 8 outlets

The kits contain a pump with gear ratio 1:6.75, with two or three pump elements D7 and a reservoir, the correct number of brushes and hoses, and all accessories you need to install the system at your machine.

Technical data for OCL-M pumps

Function principle	Mechanically operated radial piston pump
Lubricants	Mineral oils (visc. 32 to 2 000 mm^2/s)
Operating temperature	0 to +70 °C
Operating pressure	10 bar
Internal relief pressure	40 bar
Drive speed	30 to 1 300 r/min
Gear box	Worm and worm wheel
Ratio	1:6.75; 1:27
Drive shaft	9–10 mm
Stackable pump elements	max. 5
Outlets per pump element	4
Total number of outlets	4–20
Displacement per outlet and revolution of the pump shaft	
Pump element D7	0.02–0.06 cm^3
Pump element D6	0.015–0.04 cm^3
Pump element D4	0.005–0.015 cm^3
Displacement variability	Continuously
Inlet/outlet connection	$G^1/_8$ BSP
Mounting position	Any

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