

LINCOLN



Centralized lubrication systems for water and wastewater treatment

- Coarse screen filter
- Grit and grease filter
- Primary and secondary sedimentation basin
- Chain cleaner
- Belt presses
- Sewage sludge treatment



SKF

Advantages of a centralized lubrication system

The non-stop operation of a wastewater treatment plant exposes the individual components to great strain. The dirty, humid or wet environment makes this application even more difficult and tremendously challenges the texture of the components. Therefore, special attention should be paid to maintenance and service concepts.

A centralized lubrication system by Lincoln decisively contributes to making a waste water treatment plant work more reliably, economically, safely and efficiently. Whether you have one lubrication point or several hundred: Lincoln lubrication systems are always tailored individually to the specific requirements of the respective application.



Quicklub P 203 pumps and progressive lubricant metering devices

The Lincoln Quicklub pump is the standard lubrication pump for all applications. Quicklub pumps supply small to mid-sized machines and systems with up to 250 lube points.

High quality product features now as standard equipment

- The new material of the pump housing is weather resistant and not susceptible to UV rays.
- The pump housing has a larger filling port for easy filling of the reservoir.
- The strong stirring paddle provides a good lubricant mixing, even at temperatures up to -25 °C.
- The strong spring of the S7 pump element is now used for all pump elements.
- The filling adapter has a fixed, "captive" cap.

Features and benefits

- 2, 4, 8 and 15 litre reservoir
- The filling of the reservoir occurs via the filling connection for cartridges – optional top-filling via the opening with lockable lid
- Reservoir with stirring paddle or with follower plate
- The pump is IP6K9K protected against damage and moisture
- Various pump elements with fixed or variable output
- Over-pressure valve – also equipped with an indicator and reservoir return
- Automated option via integrated PCB
- Optional integrated display, touch pad and data logger function for the storage of important information such as operating time, faults or blockages and low-levels
- Installation can be performed with threaded or 350 bar rated Quicklinc plug-in type fittings



Fields of application

- Climber screen
- Grit and grease filter
- Primary and secondary sedimentation basins
- Post-processing of sewage sludge, e.g. in a biogas plant
- Chain scraper

SSV, SSVD and Variants

- Block form – less prone to failure
- Leaks are avoided
- A higher operating pressure enhances reliability – even at minus temperatures.
- Easy to monitor
- Error-free exchange as complete blocks are exchanged always
- Mistakes in connecting or in settings are avoided

Quicklub QLS 401

Compact grease lubrication system for up to 18 lube points

The QLS 401 is a complete lubrication system that includes all necessary monitoring and control functions. All components including an internal overpressure valve are part of the complete package. The comprehensive list of standard features is a remarkable characteristic of the QLS 401. The integrated, all-in-one system concept reduces installation time and costs.



Features and benefits

- 1 and 2 litre reservoir capacity
- Small compact, ready-to-install package
- Space requirements – 230 x 230 x 215 mm
- Integrated controller with monitoring – optionally without controller
- Low-level control, optional
- Integrated display and keypad
- Easy refilling – please inquire for further information
- Built-in over-pressure valve with return
- Available in 12 or 24 V DC as well as 120 VAC, 60 Hz and 230 VAC, 50/60 Hz
- Attached divider block – optionally with external divider block
- Internal outlet lubricant return possibility
- Large spectrum of usable lubricants – for multipurpose grease up to NLGI 2



Fields of application

- Drum screens
- Sedimentation basins

P 205 multi-line pump

The 205 centralized lubrication pump is a high pressure multi-line pump that can drive up to 5 elements and is used in progressive automated lubrication systems. It is capable of handling direct supply of lubrication points or as a central lubrication pump in larger progressive systems. The design of the drive and eccentric shaft, the high efficiency worm gear, a minimal number of parts, and the multi-range motor, provide the 205 pump with several advantages.

Features and benefits

- 350 bar operating pressure
- 5 pump elements can be attached.
- Multi-range three-phase motor
- Electrically or mechanically driven
- Non-stop lubrication
- An ATEX certification is possible after examination of the operational environment



Fields of application

- Digestion towers
- Screw conveyor

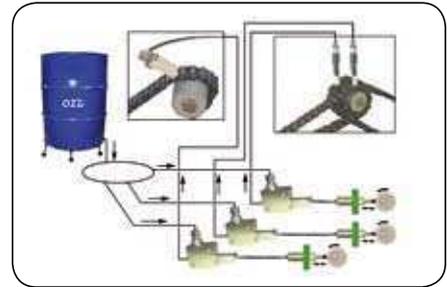
MOS/MOP 201 – mechanically driven oil lubrication pump

The MOS 201 consists of multiple mechanically driven oil pumps – MOP 201. The pumps are connected directly to the chain.

The MOS 201 lubrication system makes it possible to lubricate several, independently run chains. It is especially suitable for applications that require lubrication of more than 5 chains. Each chain and lubrication point uses one lubrication pump. The centralized oil supply to parallel pumps is provided by a ring feed connection.

Features and benefits

- Reduces wear on chains and chain drives with exact metered oil quantities
- Mechanical drive – via eccentric and chain drive
- For the lubrication of more than 5 chains
- Only the operating screen is lubricated
- Centralized oil supply via a ring feed connection



Fields of application

- Minimum lubrication, for example, of the screens in the basins, or of other chain-guided drives

PMA 2 – contact-free oil lubrication for fast moving chains

The PMA 2 solenoid pump is designed for a contact-free oil lubrication of chains. The exact metered quantity of oil is squirted without air (airless), and without producing an oil mist, while the chain is in operation.

- High capacity thanks to 6 lubricant outlets
- New twin nozzle doubles the number up to a maximum of 12 lubricant outlets
- Quick cycle times

Features and benefits

- Metered oil quantity 30 mm³ or 60 mm³ per cycle
- Available in 24 V DC, 120 V AC and 230 V AC versions
- Optional electrical monitoring via a proximity switch
- 1 to 6 outlets that can serve individual or double nozzles
- Up to 5 lubrication cycles per second (depending on the system)



Fields of application

- Precise chain lubrication, especially for fast-running chains

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