

simalube – the automatic single-point lubricator

Technical information for wastewater and sewage treatment plants



simalube[®]
smart lubrication

The lubrication expert

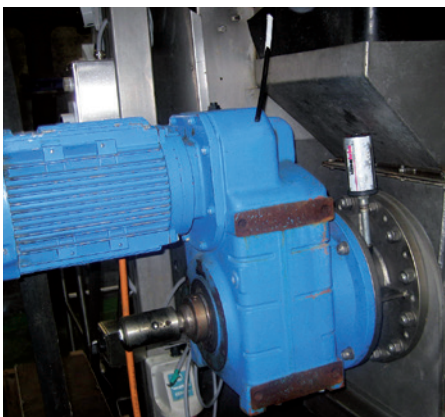
Reduce costs and increase the lifespan of machines and equipment with simalube

During the complex cleaning processes which take place in wastewater and sewage treatment plants, mechanical parts such as chains, bearings and guides come into contact with water containing waste, phosphates and acidic substances. The weather also has a major impact on equipment and facilities. Without regular lubrication, the parts will wear out faster, causing the equipment to stop working properly and necessitating expensive repair work. For this reason, continual lubrication is vital.

The simalube automatic single-point lubricator is ideal for ensuring a regular supply of lubricant to the lubrication points. Permanent, automatic lubrication protects the metal surfaces against corrosion and reduces friction and wear. The use of simalube lubricators significantly reduces maintenance costs in wastewater and sewage treatment plants, while at the same time increasing the lifespan of mechanical parts.

The simalube dispenser is ideal for applying lubrication in places that are difficult to access as well as for use outdoors. Even exposed lubrication points are lubricated automatically and reliably. There is no danger that individual lubrication points will be forgotten. Regular, manual lubrication with grease guns becomes a thing of the past, which generates considerable time and cost savings. Since maintenance staff have to spend less time re-lubricating exposed parts of the facilities and equipment, simalube helps to considerably enhance occupational safety at wastewater and sewage treatment plants.

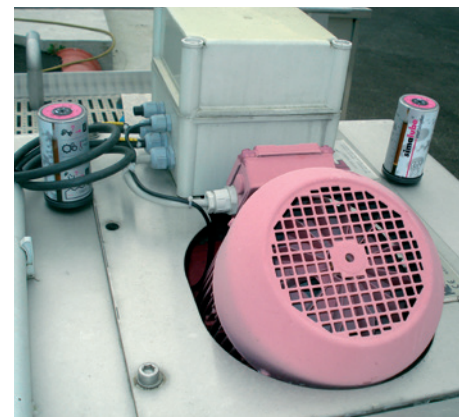
«simalube supports all working processes at wastewater and sewage treatment plants»



Lubrication of the main shaft of a wash press.



Lubricating bearings: the lubricant is transported to the bearings via a short pipe.



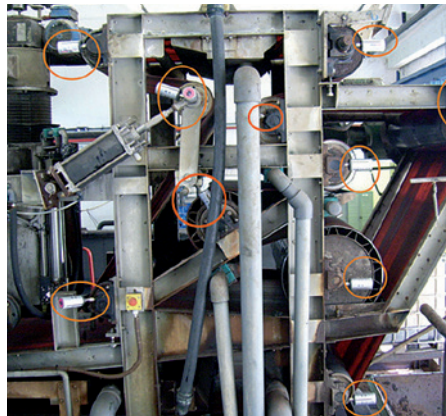
Lubricating conveyor chains with oil. The lubricators are attached to the outside of the housing. The oil is transported to the chain via a tube.



Lubricating the bearings of a basin clearing device.



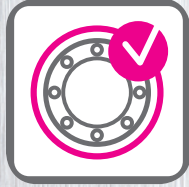
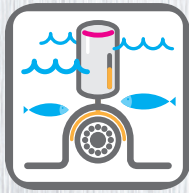
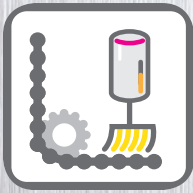
Lubricating bearings via tubes in a secondary clarifier.



Belt filter press with dozens of lubrication points supplied with simalube lubrication.



Chain lubrication with simalube on a bar screen equipped with brushes.



Applications and advantages

simalube applications in wastewater and sewage treatment plants:

- Clearing devices in primary and secondary clarifiers
- Sludge dewatering and sludge storage
- Sand and grease filters
- Agitators and rabble rake devices
- Screening plants
- Presses
- Slide valves
- Pump stations
- Digestion tanks

Advantages of the simalube lubrication system:

- Reliability: after installation, the lubrication points are continuously supplied with lubricant and are never forgotten
- Flexibility: The running time is adjustable from 1–12 months
- The settings can be changed at any time
- The dispenser can be switched off and then back on again
- The dispensers can be refilled
- Available in five sizes: 15, 30, 60, 125 and 250 ml, plus multipoint
- Thanks to the transparent housing, the progress of the lubrication process can be monitored at all times (fill level control)
- Installation is possible in the smallest of spaces
- The hermetically sealed system prevents contamination by dust and debris (IP68)
- Simple, environmentally friendly disposal (100% recyclable)
- Extensive, user-friendly range of accessories



We will gladly inform you about the application of simalube products in wastewater and sewage treatment plants.

Our highly-qualified specialists have an in-depth technical knowledge and will show you how automatic lubrication can reduce costs and extend the service life of your machines.

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