

simalube[®] – the automatic single-point lubricator



Technical information for wastewater and sewage treatment plants



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»



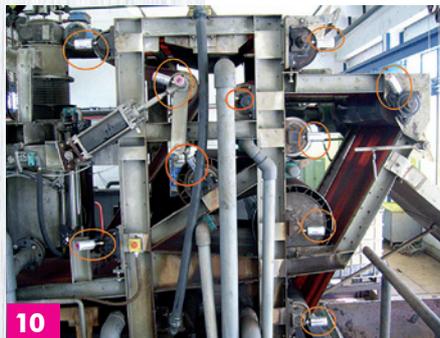
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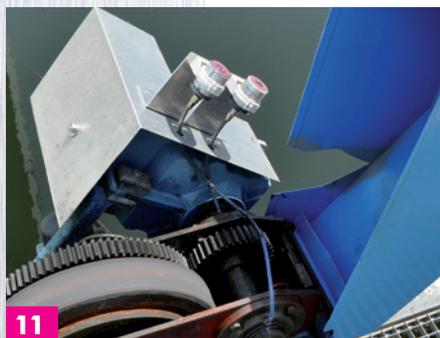
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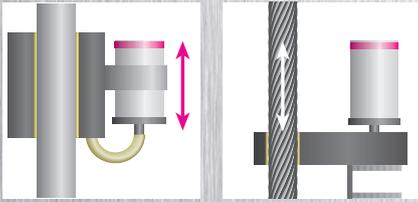
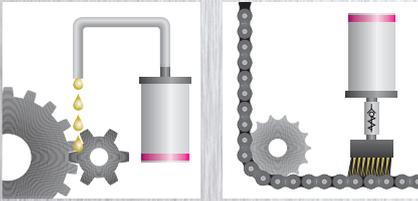
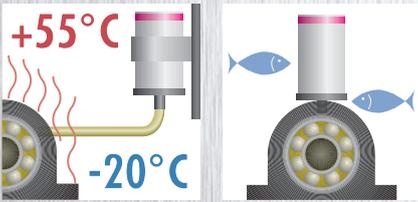


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- 1 Chain lubrication with simalube on a bar screen equipped with brushes.
- 2 Lubrication of the main shaft of a wash press.
- 3 Close-up of the lubrication of an agitator in a sand filter.
- 4 Lubricating the bearings of a basin clearing device.
- 5 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.
- 6 simalube used to lubricate the worm drive of a slide gate valve.
- 7 Lubricating the spindles on stop valves.
- 8 Lubricating bearings: the lubricant is transported to the bearings via a short pipe.
- 9 Lubricating the bearings of a strain press with a tube connection between simalube and lubrication point.
- 10 Belt filter press with dozens of lubrication points supplied with simalube lubrication.
- 11 Lubricating bearings via tubes in a secondary clarifier.



Applications and advantages

Equipment in which simalube® can be used 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 systems:

- Reliability: after installation, the lubrication points are continuously supplied with lubricant and are never forgotten
- Flexibility: the application periods can be adjusted to any period between 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
- The transparent housing permits the progress of the dispensing process to be monitored at all times (quantity control)
- Installation is possible in the smallest of spaces
- The hermetically sealed system prevents the penetration of dirt (IP68)
- Simple, environmentally friendly disposal (100% recyclable)
- Extensive, user-friendly range of accessories



We would be happy to advise you on the use of simalube products in wastewater and sewage treatment plants.

Our highly-qualified specialists possess extensive technical expertise and will be pleased to show you how you can reduce your costs and increase the lifespan of your facilities and equipment with automatic lubrication.

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