

# Automatic lubrication in waste water industry

## Why automatic lubrication?

### ...reduces your costs

- saves time
- fewer machine breakdowns due to decreased wear
- lower lubricant consumption
- increased service life of bearings

### ...protects the environment

- needs-based lubricant dosage
- low risk of impurities and contamination

### ...improves work safety

- ...enables monitoring and provides an overview

## Challenges

In the waste water industry the access to many lubrication points is burdensome or dangerous. Manual lubrication is inconvenient due to spacious facilities and a large variety of different lubricants and applications. Contaminations as dirt, water, phosphate and other chemicals lead to high exposure on guides, chains and bearings.

## Advantages of automatic lubrication



### Protection

- automatic lubrication lowers the risk of contamination
- lower machine wearing despite chemical loaded environment



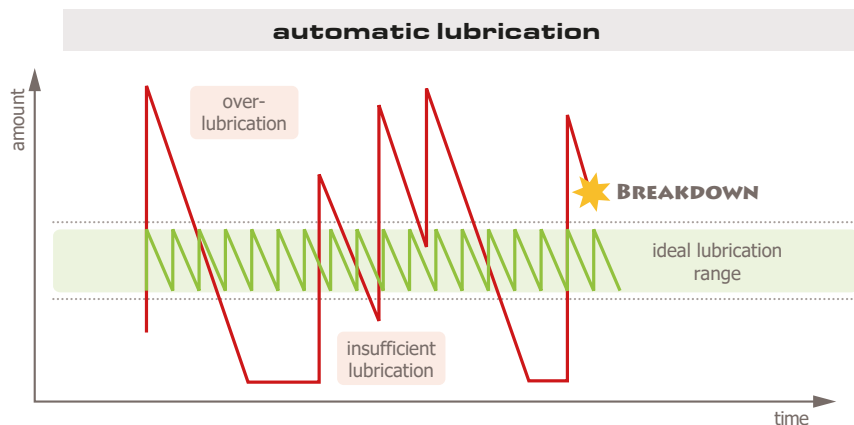
### Costs

- lower energy costs
- time saving
- sustainable by multiple refills



### Safety

- indirect installation possible
- central controlling and monitoring in a user-friendly environment





## Our solutions for automatic lubrication



Specifications	G LUBE	SOLO LUBE	G LUBE OIL	G LUBE VIB	LUB-S	LUBRICUS
Lubrication points	Single	Single	Multiple	Multiple	Multiple	Multiple
Operating temperature	-20 °C to +55 °C	-20 °C to +60 °C	+5 °C to +60 °C	+5 °C to +60 °C	-15 °C to +60 °C	-15 °C to +70 °C
Working voltage	Battery	Battery/24V	Battery	Battery	Battery/24V	Battery/24V
Max. operating pressure	5 bar (73 psi)	7,5 bar (109 psi)	10 bar (145 psi)	60 bar (870 psi)	35/50 bar (508/725 psi)	70 bar (1015 psi)
Max. tube length*	Grease: 0,5 m Oil: 3 m	Grease: 1,5 m Oil: 5 m	Oil: 6 m	Grease: 6 m	Grease: 4 m Oil: 7 m	Grease: 6 m Oil: 10 m
Max. run-time	12 month	12 month	24 month	12 month	24 month	36 month
Lubricating intervals	1/3/6/9/12	1-12 (steppless)	0,5/1/2/4/6/12/18/24	1-12 (steppless)	1-24 (steppless)	1-36 (steppless)
Filling	By yourself or on customer request	By yourself or on customer request	By yourself	On customer request	On customer request	On customer request
Reusable drive	X	✓	✓	✓	✓	✓
Self-refilling	X	X	✓	X	X	X
Control	Empty time	Empty time	Empty time	Empty time	Empty time, pause time, PLC	Empty time, pause time, PLC

\* depends on lubricant and application

### Scopes of application

- ✓ Sedimentation tank
- ✓ Clarifier
- ✓ Sand removal
- ✓ Pumping station
- ✓ Compressor