

SCHAEFFLER

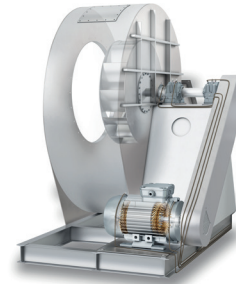
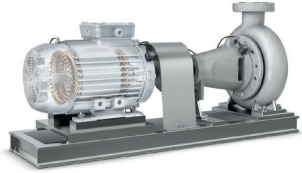


Systematic Lubrication

Intelligent solutions for your systems engineering

Solutions for Rolling Bearing Lubrication

Example applications



Intelligent lubricators

+ premium lubricants

+ future-oriented expertise



CONCEPT SERIES

A simple and individually adjustable lubricant supply.

Runs like a well-oiled machine

The lubricators in the CONCEPT series supply the correct quantity of grease to different lubrication points in your machine at exactly the right time. Available as CONCEPT1, CONCEPT2, CONCEPT4, and CONCEPT8.

The ARCANOL grease range

Top-quality greases, developed and tested specifically for rolling bearings.



Nothing but the best grease for your machine

ARCANOL premium grease is tested in our in-house laboratories and is characterized by its above-average operating life and high-performance capability. It is available for a wide range of industries and requirements. Fillable devices (CONCEPT1) and empty cartridges (CONCEPT2, CONCEPT4, and CONCEPT8) are available for operation of the lubricators using other lubricants.

System modules

In "intralogistics" (conveyor belt systems for pallets, such as chain conveyors, roller conveyors, lifting stations, vertical conveyors, rotary tables, etc.), lubrication is carried out via prefabricated pump modules with subdistributors.

Communication via a multi-functional interface

The individually prefabricated pump modules (configured by the customer) allow for easy scaling of up to several thousand lubrication points. Actuation of and feedback to the higher-level control system is regulated via the multifunctional interface of the CONCEPT8 devices.



CONCEPT Lubricators

Product comparison



	CONCEPT1	CONCEPT2 bat. / 24V	CONCEPT4	CONCEPT8
Max. number of lubrication points	1	2	4	8
Lubricant volume	60 ml / 125 ml	250 ml	400 ml	800 ml
Display for information and settings	○	●	○	●
Use without a PLC possible	●	●	○	●
Multifunctional interface*	○	○ / ●	●	●
Line length > 0.5 m	○	●	●	●
Cartridges for operation using grease from other manufacturers	●	●	●	●
Customer-specific solution possible	○	○	●	○

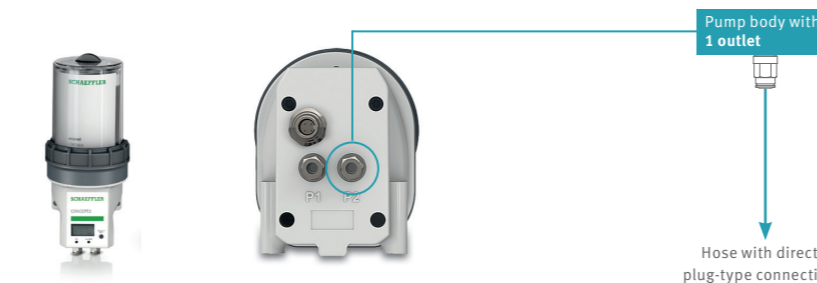
*External power supply & I/O signals (PLC) ○ not available ● available

Solutions for Rolling Bearing Lubrication

Lubricators

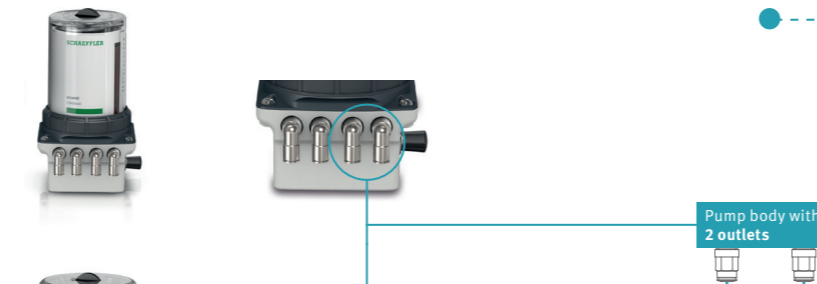
CONCEPT2 Max. 2 lubricant outlets

Grease	
Oil	
24 V DC	
Battery	



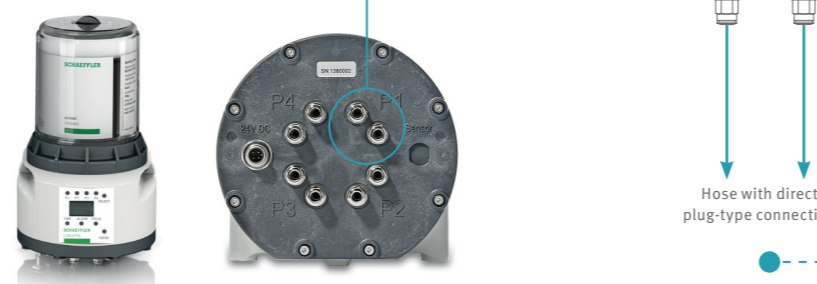
CONCEPT4 Max. 4 lubricant outlets

Grease	
24 V DC	

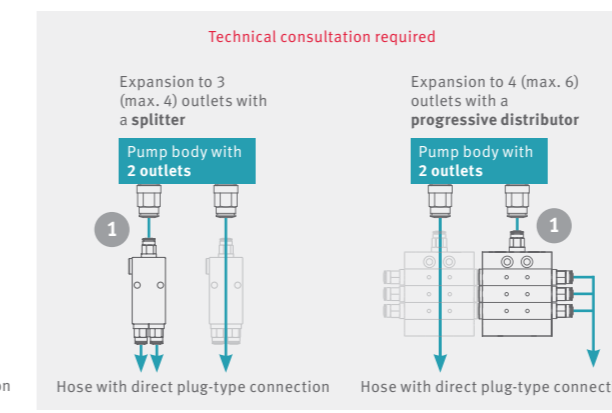
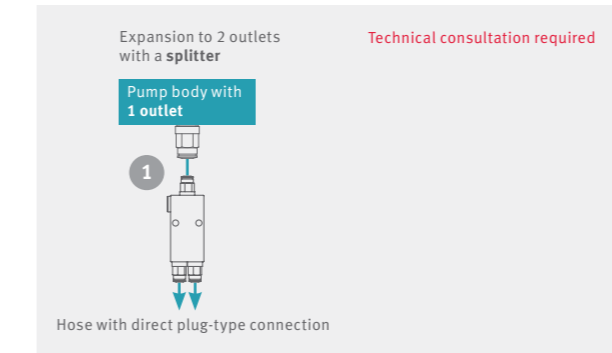


CONCEPT8 Max. 8 lubricant outlets

Grease	
Oil	
24 V DC	



Connection variants

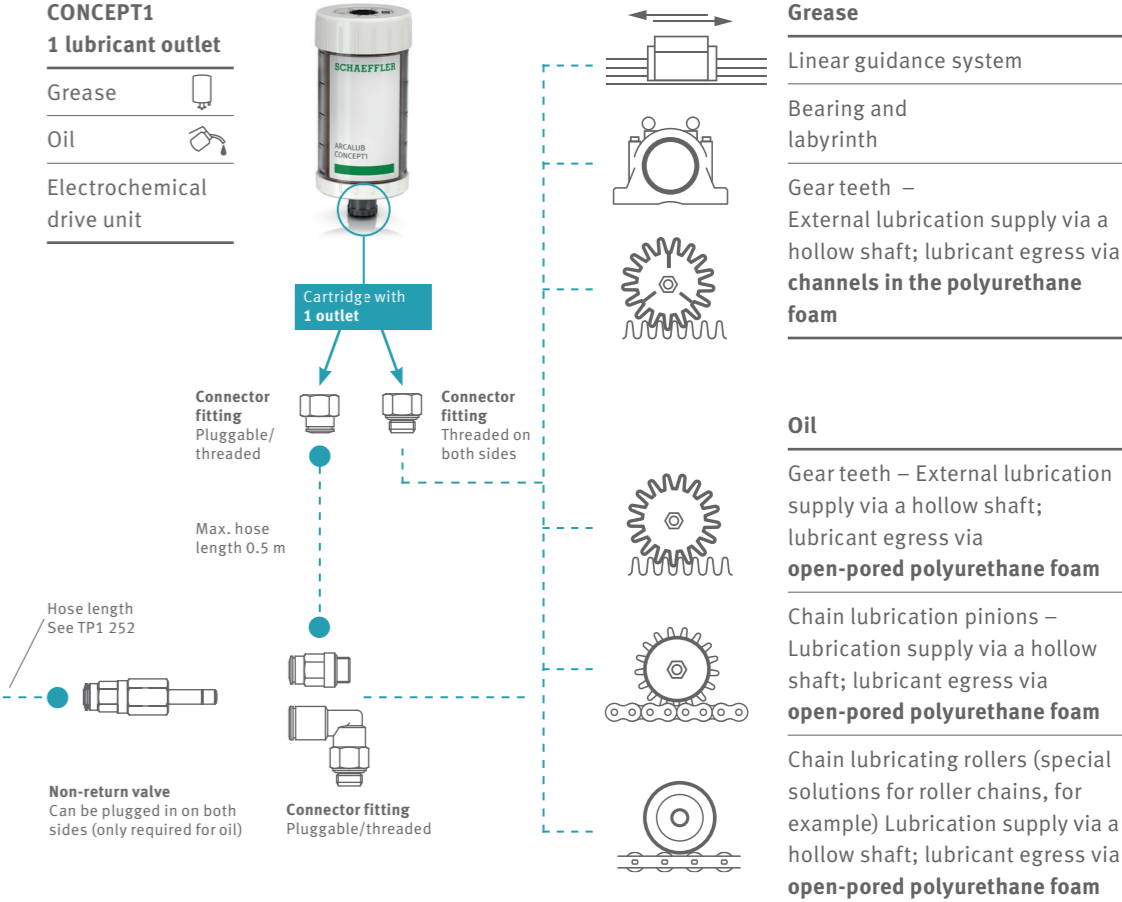


① Hose of up to 0.3 m with direct plug-type connection

Lubrication point

CONCEPT1 1 lubricant outlet

Grease	
Oil	
Electrochemical drive unit	



Grease

- Linear guidance system
- Bearing and labyrinth
- Gear teeth – External lubrication supply via a hollow shaft; lubricant egress via channels in the polyurethane foam

Oil

- Gear teeth – External lubrication supply via a hollow shaft; lubricant egress via open-pored polyurethane foam
- Chain lubrication pinions – Lubrication supply via a hollow shaft; lubricant egress via open-pored polyurethane foam
- Chain lubricating rollers (special solutions for roller chains, for example) Lubrication supply via a hollow shaft; lubricant egress via open-pored polyurethane foam

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