pulsa

AUTOMATIC LUBRICATION

Single-point lubrication, fully automatic



Simplify lubrication, supercharge performance.

Pulsa® lubricators deliver precise amounts of grease to the bearings and seals of your pumps and equipment, automatically and independent of temperature and counter pressure. An electromechanical drive, a lubricant cartridge and a battery pack: that is all it takes.

7.5 bar
Continuous pressure build-up

60–500 cm³
Lubricant cartridges

−40...+60 °C
Operating temperature*, higher on request

IP67
Protection class

A product line of vaikon

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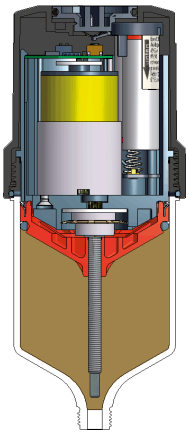
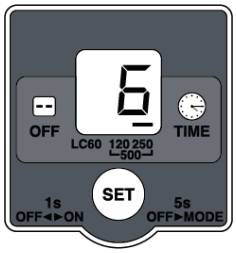
Precise lubrication, without the manual work

Pulsa® operates automatically, regardless of temperature or pressure, and ensures pinpoint discharge. Its precise metering makes it the go-to choice for equipment with specific lubrication requirements.

Inside Pulsa®



1. Pulsa drive (material PA GF)
2. Gear motor
3. Piston
4. Lubricant (oil-filled units feature an integrated retaining valve)
5. LCD display with push button
6. Battery pack
7. Pulsa lubrication cartridge (material copolyester)
8. Outside thread R1/4



Pressure powerhouse

A continuous 7.5 bar (109 psi) pressure build-up allows remote mounting up to 5 m from the lubrication point.

- Mount the lubricator outside hazardous areas or in easily accessible locations
- Exchange lubrication cartridges during operation
- Use it in low and high-temperature environments

Precise metering

The LCD display with push-button control shows discharge period, cartridge size and operating status.

- Straightforward, self-explanatory operation
- Settings tailored to the duty: no lubrication shortage or excess
- Settings changed in seconds

Fully automatic

A reusable electromechanical drive with battery pack discharges the lubricant reliably, independent of temperature and counter pressure.

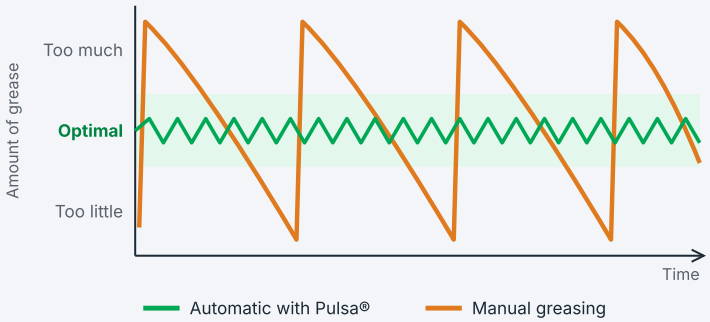
- One-time investment in the drive
- Only cartridges and battery packs are replaced

Bluetooth version

With the Pulsa® Drive BLUETOOTH you configure, control and monitor the lubricators from a smartphone app.

- Remote operation, more safety at work
- Real-time feedback on the lubrication system

Automatic versus manual greasing



Manual: a large shot, then the bearing slowly runs down to too little until the next round. Pulsa®: small doses at short intervals keep the grease in the optimal band.

Why automatic lubrication

- Boosts equipment reliability and uptime through consistent lubrication
- Fewer unscheduled stops and breakdowns
- Small, precise amounts at short intervals: no over-lubrication
- Ideal for high-speed equipment such as pumps and electric motors
- Protects sensitive components such as mechanical seals
- Less maintenance labour and no manual lubrication errors

Pulsa® greasing systems for Schegler® pumps

Vaikon supplies Pulsa® as complete, heavy-duty 2-point and 3-point greasing systems that deliver even, measured lubricant to the vital points of your Schegler® pump. Vaikon calculates the lubrication interval for your pump and duty.

- Built for challenging conditions on site: the drives are protected by sealing caps
- Manual purge point for initial or peak greasing
- Valve to close off the system
- Oversized heavy-duty hose: less pressure loss, sufficient end pressure at every greasing point



System	Schegler® frames	Drives
2-point greasing system	Horizontal F1–F6	2 × Pulsa® Drive, standard or BLUETOOTH
3-point greasing system	Horizontal F1–F6, vertical V1–V5	3 × Pulsa® Drive, standard or BLUETOOTH

Each system includes the installation kit and the drives. Grease cartridges, battery packs and hose are ordered separately. Food-grade versions are available.

Cartridges and spare parts

Grease cartridge 250 cm³	**Vaikon standard: Mobilgrease XHP 222, lithium complex, NLGI 2**
Grease cartridge 250 cm³ high temperature	**Mobilith SHC 220, for very high speeds or high ambient temperatures**
Grease cartridge 250 cm³ food grade	**When food-grade grease is required**
Grease cartridge 60 cm³	**Small volume, long intervals**
Pulsa® Drive / Drive BLUETOOTH	**Reusable drive**
Battery pack	**Standard or low temperature (lithium)**
Installation kits 1, 2 or 3 points	**Heavy-duty clamp mount, incl. holder, brackets, protection caps and valves**
Grease hose and mounting bracket	**Spare parts**

Technical data

Drive	**Reusable electromechanical drive with battery pack**
Lubrication frequency	**1 month to 26 weeks; 60 cm³ up to 24 months; 500 cm³ max. 6 months**
Lubricant volume	**60, 120, 250 or 500 cm³**
Pressure build-up	**Continuous 7.5 bar (109 psi)**
Remote mounting	**Up to 5 m**
Operating temperature	**−40 °C** to +60 °C (higher on request)**
Protection class	**IP67 / IP65**
Lubricant	**Greases up to NLGI 2**
Dimensions (Ø × H)	**60 cm³: 75 × 155 mm · 120 cm³: 75 × 178 mm · 250 cm³: 75 × 228 mm · 500 cm³: 75 × 324 mm**
Connection	**Outside thread R1/4**

* Below −20 °C the low-temperature battery pack (lithium) is required. ** Only with suitable low-temperature lubricants.

Pulsa® in the field

Pulsa® 2-point greasing systems on Schegler® Vigor™ slurry pumps: on a new pump at Vaikon and in daily service on site.



New Schegler® Vigor™ pump with a Pulsa® 2-point greasing system, mounted on the bearing housing.







In service on site: two Pulsa® drives with valves and heavy-duty hoses to the greasing points.

Good practice on site

- Check the system at every stop: cartridge level, drive running, hose connected
- Replace the battery pack together with the cartridge
- Use the right cartridge: standard, high temperature or food grade
- Keep hoses short: about 1 bar is lost per metre of hose



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Automate the lubrication of your pumps

Tell us which pumps or equipment you want to lubricate. We select the system, calculate the intervals and install it on site.

Request a quotation | **More information**

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