



Groeneveld Durability from within!

With over 40 years experience, Groeneveld is a market-oriented company that is continuously responsive to demand and supply. One of these questions is about sustainability and the future with fewer environmental concerns. With certainty our products and solutions will contribute to an optimum efficiency for our customers, such as lower fuel consumption, minimum waste of lubricants, less damage and downtime. All this contributes to a better environment.

Groeneveld not only provides solutions for efficiency, but sets for itself also high demands on the internal organization. Groeneveld aims to optimize all business processes such as energy-efficient applications, the use of fully recyclable materials, waste management, education and training of staff.
Groeneveld Group 9001 certified - Groeneveld Italy 14001

NEW



Your efficiency is our challenge!



Twin Heavy duty greasing systems

Groeneveld has developed the Twin heavy duty greasing system especially for the toughest operating conditions. Twin is a dual-line system that is often applied to off-road equipment and other vehicles or machines that usually operate under tough conditions. A Twin heavy duty greasing system protects throughout the service life. It is a one-off investment that amply pays back itself through lower operating costs and greater availability of the equipment.



CompAlube Compact greasing systems

CompAlube is especially designed to keep automatic greasing an efficient tool on modern or light vehicles with only a few greasing points. CompAlube is Groenevelds answer in the growing demand for compact greasing for on-road, off-road and bus applications. Due to high quality, easy installation and quick refill possibilities, CompAlube offers a good return on investment.



SingleLine The best in 0-grease

Automatic single-line greasing system with a pneumatic or electric pump. Groeneveld supplies the SingleLine automatic greasing system in a special version for trucks, trailers, buses, forklifts and many other applications. This system greases all greasing points simultaneously, at the right moment and with the correct amount of grease. Because of the regular greasing, vital parts such as the king pin and the fifth wheel coupling will remain well-greased at all times, so moisture and sand are kept out. Wear of expensive parts is reduced to a minimum without you having to give it a single thought. The benefits are time gain, no extra service stops, reduced wear, reduced repair costs and greater reliability.

Automatically lubricates better

*Less work
Less repairs
Less costs*

Unique cartridge concept for easy refill

Compact progressive system with Groeneveld quality

EcoPlus, the new standard Compact automatic lubrication system with cartridge concept

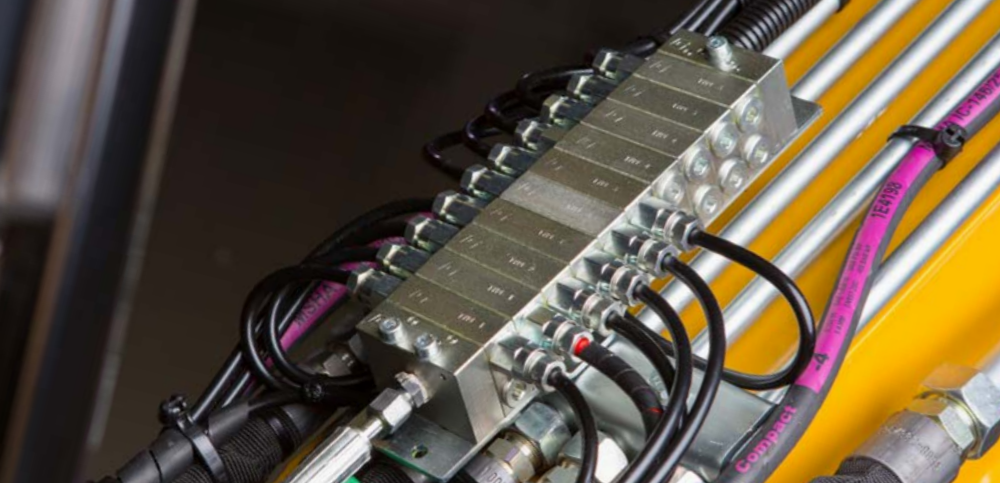
Groeneveld is presenting the new standard in compact automatic lubrication systems: the EcoPlus. A newly developed automatic lubrication pump for NLGI 2 progressive systems, combining a compact design with a unique 1.7 litre grease cartridge for easy refill. Other product features include accurate, viscosity-independent grease supply over a wide temperature range, easy programming with touch pads and LCD display and 3 years warranty as it comes with Groeneveld quality as a standard too.

The EcoPlus offers an economic automatic lubrication solution for many applications. Like smaller Wheelloaders and Mini-Excavators, Skid-Steer Loaders, Refuse Vehicles, Road Sweepers and Truck Mounted Cranes or Buses. The unique cartridge concept sets the EcoPlus apart from any other 2 grade automatic lubrication systems on the market. Not only does it make refilling a very easy job, it also guarantees the right grease quality and specification for the equipment, less repair and maintenance and longer life of critical components of your equipment.



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Smart design

The EcoPlus offers exactly the right balance between size and grease quantity. With compact dimensions of 265 x 185 x 290 mm there is always room to install the pump onto the machine. The 1.7 litre cartridge, however, offers the right grease volume to meet the lubrication needs and larger service intervals of modern compact machines. The EcoPlus is available with a strong 12 or 24 Volt electric motor and features an 8 mm pump element as a standard, providing 0.26 CC of grease per cycle. A second pump element is available as an option, offering the possibility of creating an independent second lubrication circuit. The EcoPlus also features a visual pressure indicator as a standard and an optional low-level indicator.

Easy to program, accurate like none

The easy to program timer with integrated LCD display with intuitive touch pads makes programming of the system extremely easy. Lubrication intervals can be set from 1 to 300 minutes, while the grease volume is defined by the number of revolutions of the pump rather than by a pre-set timing. As a result, the EcoPlus supplies exactly the right grease quantity over a wide temperature range, independent of the viscosity of the grease. The number of pump revolutions can be programmed from 1 to 99 revolutions per grease cycle, which together with the forced stroke of the pumping elements result in an incomparable accuracy.

User-friendly cartridge concept

The EcoPlus features a unique 1.7 litre cartridge, containing GreenLube NLGI 2-grease of the highest quality and the right specification for the most demanding applications. The cartridge is easy to replace without getting dirty. Verification of the correct functioning of the system is simple due to a visual pressure indicator. As always the right grease is being used, due to the cartridge concept, Groeneveld offers 3 years warranty on the EcoPlus lubrication system.

Main characteristics

- NLGI-2 grease progressive system
- High performance electrical pump 12V or 24 V
- Accurate, pre-set Viscosity independent grease quantity
- Integrated easy-to-operate timer
- 1 or 2 pump elements with forced stroke
- Progressive divider blocks of the highest quality
- Fully enclosed system, insensitive to moisture, sand and dust
- Accurate grease metering by means of adjustable grease output and cycle time
- Unique cartridge system for easy refill
- 3 year warranty



Customer benefits

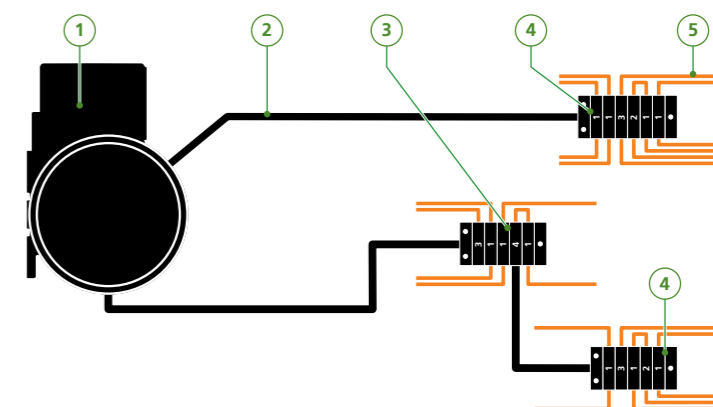
With its great value for money in terms of performance and uncompromising quality and reliability, EcoPlus guarantees a perfect match with the greasing requirements of smaller machines and vehicles, as well as equipment such as Truck Mounted Cranes.

The system ensures that automatic greasing of transportation vehicles and busses, light industrial machines and smaller off-road machines yields a good return on investment, even with a limited number of greasing points. Frequent greasing in metered quantities ensures maximum greasing effect and minimum grease consumption.

The benefits: reduced operating costs as a result of reduced maintenance and downtime, as well as increased life of expensive machine components.

System overview

1. EcoPlus pump
2. Primary grease lines
3. Distribution block
4. Distribution blocks
5. Secondary grease lines



Technical specifications

Maximum pressure:	275 bar	Low level switch:	Optional
Temperature range:	-20 °C to 70 °C	Error messages:	Yes (on display)
Reservoir capacity	1.7 Litre Cartridge	External control light:	Optional
Power consumption:	4.0A 24Vdc or 8.0A 12 Vdc	Block end switch:	Optional
Number of outlets:	1 or 2 (progressive)	Diagnostics:	Yes (on display)
Delivery pump element	No.5: 0.26 CC	Test cycle:	Yes (single and multiple)
Optional pump element	No.3: 0.15 CC No.4: 0.20 CC	External timer possible:	Yes
Interval:	Time: 1-300 min. Revolutions: 1-99	Dimensions:	265 x 185 x 290 (LxWxH)