

## Groeneveld Twin barrel pump

## Dual-line systems for grease



The Groeneveld Twin pump, a dual-line parallel automatic lubrication system, is developed specifically for the most demanding applications with a higher grease demand. Installations with many lubrication points or large line lengths, extremely low or high ambient temperatures and where the reliability of the system is crucial.

The Twin system consists of a heavy duty pump, an external control unit with CAN-Bus connection, a real-time clock, internal memory, a pressure relief valve and a minimum level switch. For machines controlled by a PLC, the Twin barrel pump can be supplied without a control unit for the PLC to take over control.

The two main lines are delivering the grease to high quality metering devices. A wide range of metering units are available to ensure that all lubrication points are optimally lubricated. These metering units can be mounted in any required combination on distribution blocks and are available in brass or stainless steel.

Extending the system to detachable equipment pieces is no challenge with this system. By adding a quick connect coupling the system can easily be extended for lubricating additional components.

The pump can be installed directly on top of a robust, extra-large 40 liter refillable grease reservoir or into a grease drum. The pump is equipped with a follower plate to ensure complete grease usage and to prevent ingress of air and condensation in order to preserve the lubricant's integrity. It also enables the use of biodegradable greases.

### Applications

- Large construction machinestrucks
- Mining machinery
- Mining process industry
- Wind turbines
- Paper industry
- Metal industry

### Features and benefits

- + Modern pump with real-time clock, memory, CAN-Bus connection and follower plate
- + Suitable for biodegradable grease
- + Easy to install, maintain and to extend

|                       |                                    |
|-----------------------|------------------------------------|
| Operating principle   | Electric barrel pump               |
| Outlets               | 2                                  |
| Delivery volume       | 60 cm <sup>3</sup> /min            |
| Lubricant             | Grease NLGI-0 up to NLGI-2         |
| Operating temperature | -20 up to +70 °C (-4 up to 158 °F) |
| Operating pressure    | max. 250 bar (3625 psi)            |
| Reservoir (reservoir) | 40 l                               |
| Barrel sizes          | 18 – 200 l                         |
| Power supply          | 24 VDC                             |
| Protection class      | IP 67                              |