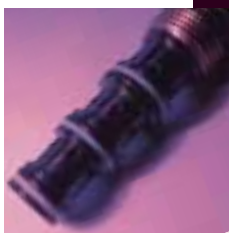


Hoornweg, when reliability counts



- *DC hydraulics* • *Deep-Cycle batteries* • *Rear view systems* •
- *DC cleaners* • *DC components* • *Special products* •

With Hoornweg you'll get more out of DC

When you talk about Hoornweg, you are talking about hydraulics ... and about direct current. But Hoornweg is more than an importer of strong makes alone. As independent company, Hoornweg gives components and high-quality

systems added value in the form of made-to-measure technical support and product development. Whether it is about hydraulics, rear-view systems, special products, or high- or low pressure cleaners: with Hoornweg you will get more out of direct current.

The motor behind hydraulic drives

Classic aggregates

- Voltages 12-24-48 volt
- Capacities 2000-3000-4000 Watt
- Output 4 to 25 litres per minute
- Maximum operating pressure up to 330 bar
- Casings with tanks of 5 to 50 litres
- Seat valves in various versions and combinations

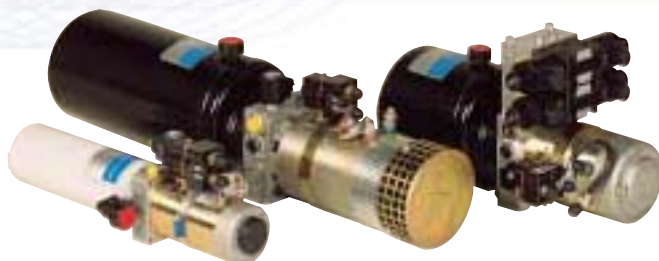


Classic aggregates

From tailboard to tower wagon, from dumper to hinged elevator, from fairground attraction to mobile radar installation... Hoornweg offers the right hydraulic aggregates. Based on the "classic" formula (engine pump combination with built-in valves in casing with tank) which can be installed on every location because of its amazing simplicity, Hoornweg delivers made-to-measure products: the desired construction, the desired capacity, the desired tank volume. Including the certainty of reliability under all circumstances.

Compact and mini aggregates

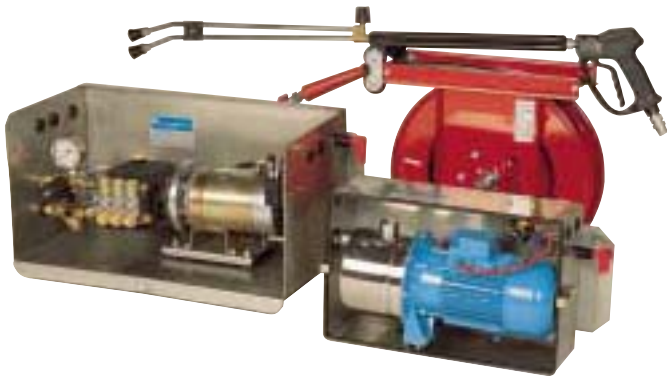
Because of the extensive implementation of standard components, the "compact"- and "mini" aggregates have been perfected. The units are even more compact now: electric motor, intermediate block and oil tank are in line now. They also produce less noise, because the pump has been installed in the oil tank. With the basic types - the He1000 and He2000 - the right drive can be realised for any application. The units are also available in a casing.



Compact and mini-aggregates

- Voltages 12-24-48 VDC - 220 en 380 VAC
- Capacities 800 - 1000 - 2000 - 3000 Watt
- Output 1 to 20 litres per minute
- Maximum operating pressure up to 255 bar
- 0,5 to 12 litre tank volume
- Pattern valves and normalised slides (Cetop 2 and Cetop 3/NG 6) in various versions and combinations

A clean start: Spartus DC high- and low pressure cleaners



The Spartus high- and low pressure cleaners were developed by Hoornweg for cattle-trucks, concrete trucks, bulk trucks and other means

of transport. The Spartus works on the battery, takes up little space and makes every truck self-cleaning.

HP-cleaners and LP-cleaners

- Voltages 12-24 Volt
- Pump HP max. 17 litre/min. with 130 bar
- Pump LP max. 37 litre/min. with 4 bar
- Various parts such as reels, hoses, lances, nozzles, filters and level switches

Eyes in the back and the side: rear view systems

Hoornweg's rear view systems can prevent accidents and damage, and can remove the blind spot. Easy to install on among others lorry trucks and agricultural mechanisation vehicles.



CaMoS systems

- Camera b/w or colour
- Monitor b/w (5" screen) or colour (4" or 5.6" TFT/LCD)
- Standard cable 18 metres
- Robust spiral cable for semitrailers or trailers optional

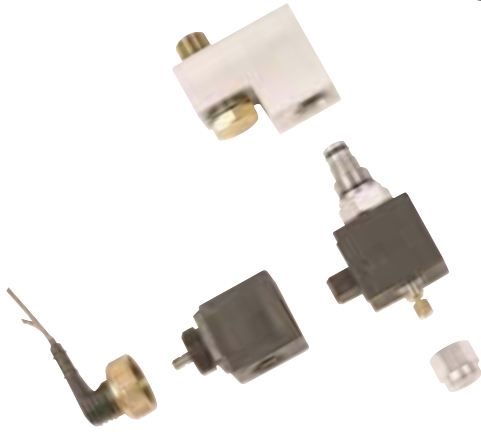
The reliable power of US Battery



Hoornweg supplies the complete range of US Battery batteries: Deep-Cycle, Super-Start and closed batteries that achieve more, have a longer life-cycle and prove their reliability under all circumstances. These heavy-duty batteries are applied in among others aerial platforms, earth moving machines, tilting carts, tailboards, sweepers and scrubbers, diesel generators, agricultural machines, (pleasure) craft and golf carts.

Hoornweg's yearlong experience with battery-fed systems in combination with the wide product range of US Battery guarantees you tailor-made advice and supply.

Strong makes



Hoornweg prefers quality and reliability, and works with strong makes, such as:

- * Haldex Hydraulics (Hesselman/John S. Barnes: gear wheel pumps, hydraulic aggregates, hydro-engines, flow dividers)
- * Schabmüller-Thrige Titan (control units, traction engines, pump units, electric bicycles)
- * Spartus (high- and low pressure cleaners)
- * CaMoS rear view systems
- * US Battery deep cycle batteries

Hoornweg furthermore delivers related products, such as cables, waterproof plugs, reductions, controls, pressure gates, starting relays, couplings, etc.

Hoornweg Special products

New ideas lead to new solutions. This is why Hoornweg also developed hydraulic rock cutters and mobile hot-water cleaners next to the Spartus high- and low pressure cleaners. These are fine examples of the close collaboration with our clients.

Versatile at your service

Hoornweg delivers components, equipment and high-quality systems, and assumes that consultancy, service and technical support must take place on the same level.

We furthermore know how important a quick delivery is to you.

You and Hoornweg: a combination which works splendidly.

Information and documentation:



Midwouderdorpsstraat 34-37 • NL 1679 GC Midwoud • The Netherlands
tel. +31 (0) 229 20 11 00 • fax +31 (0) 229 20 11 40
website www.hoornweg.nl • e-mail info@hoornweg.nl