

EASILY QUICKLY LEVEL

LEVEL C –
THE LEVELLING SYSTEM



ALKO QUALITY FOR LIFE



FROM IDEA TO MARKET SUCCESS

Hydraulic levelling support systems were not necessarily a new idea. Over 15 years ago, when the founders of E&P started thinking about a system that made levelling a motorhome as quick and simple as possible, they had no idea that they were laying the foundation stone for one of Europe's most successful companies. As experienced campers, they knew exactly how a hydraulic levelling support system has to function: reliably, quickly, fully automatically and naturally at the push of a button.

With this philosophy, the highest of technical standards and a great love of detail, E&P went on to become the market leader for hydraulic steady leg systems. No matter whether they are big or small, light or heavy – the systems from E&P offer such variability that a solution is available for almost every vehicle.



In the space of a decade, the company was therefore able to make a name for itself on the European camping market.

Since 2018, E&P has been a proud member of the AL-KO Vehicle Technology group. In a strong environment, the company wants to specifically

continue growing and access new markets. The idea and philosophy remain unchanged: being able to offer customers the most reliable fully automatic system. So that we can continue to claim:

“EASILY QUICKLY LEVEL!”



FOCUS ON THE ESSENTIALS

KNOWING WHAT IT'S ALL ABOUT

With many manufacturers, our hydraulic levelling systems can be ordered ex works. But they can also be retrofitted on motorhomes or caravans at any time.

Every levelling system is matched precisely to a specific vehicle chassis in our in-house R&D department. Suitable adapters are developed with CAD support and a great deal of manual work

and are exactly matched to the vehicle frame for every chassis type. Every single part has to function precisely in order for our hydraulic steady legs to be able to reliably move high weights for many years to come.

Each component is therefore appraised in terms of weight, material use and performance before being considered for our levelling systems.





LEVELLING SYSTEMS BASED ON EXPERIENCE

As every kilogramme is important in leisure vehicles, all areas of the system are optimised. The oil tank, for example, is mounted directly on the pump to save space. The supports are coated to withstand environmental influences, and are thus permanently protected against corrosion, stone chips, rain and dirt. The large base plate of each support is also made of sturdy stainless steel as standard, and is thus resistant to rust even after many years of use.

All lines and electrical connections are protected from dirt and moisture. All E&P levelling systems are maintenance-free and offer one of the best price/performance ratios on the market.

QUALITY FROM A SINGLE SOURCE

Anyone who puts their vehicle on E&P steady legs has a right to expect high reliability of the whole system. Quality and functionality are our mission. That is why we have developed an internal quality management system that quickly detects material flaws and ensures that faulty products can never

enter the production process. Practically all the components are manufactured, assembled and inspected after every work step at E&P's production facility in the Netherlands. Every single part of the levelling systems has to pass through the experienced hands of our staff.

INSTALLATION IS ALSO PERFECTED

A levelling system can only function precisely if it is installed correctly. That is why we attach great importance to the training of our partner companies and set very high standards here – to meet the demands on our product and guarantee the satisfaction of our customers. Our service staff are constantly travelling around Europe to assist the fitters in the workshops on technical questions and on special installation situations.

Thanks to the continuous exchange of information, our service team keeps the fitters in the workshops up-to-date on the latest developments and is available to answer questions – 365 days a year.

LEVELC

FOR CARAVANS

LEVELLING IN JUST TWO STEPS LEVELC – THE COMPLETE SYSTEM

Our engineers had to completely rethink things to level a caravan fully automatically and gently on its body.

In developing E&P LEVELC, it was important to subdivide levelling into two steps. First, the caravan is made perfectly level by means of various movements in the width. In the next step, the caravan is precisely levelled longitudinally using the four hydraulic Big Foot supports at the corners that replace the conventional crank supports. The caravan is then level and steady within two minutes – fully automatically. The six hydraulic supports are connected to the chassis and the axle by mounting plates.

Levelling in two steps and the movement of the supports in pairs prevents harmful torsional forces being transmitted from the vehicle chassis to the body. This means that LEVELC not only offers maximum comfort but also maximum safety for the body.







EXTREMELY SIMPLE, EXTREMELY LIGHT

Caravan owners always have to pay attention to the limited payload when choosing accessories. Thanks to the specific use of lightweight materials, the E&P **LEVELC** design engineers were able to limit the additional weight of the complete hydraulic system to just 20 kilogrammes compared with the standard crank supports.

Controlling it is child's play. At the push of just one button, E&P **LEVELC** levels the caravan fully automatically. In special cases, the supports can also be actuated individually. The permanently installed control panel is always included in the

scope of supply. For even more comfort, customers can choose between a mobile touch-pad or control using a smartphone app via a WiFi module.

SIMPLE RETROFITTING

The E&P **LEVELC** for caravans can be retrofitted on practically all existing single-axle and tandem-axle chassis. The system consists of two hydraulic steady legs for the axle, four hydraulic Big Foot supports, a pump block, oil tank, hydraulic lines, electronic controller and control panel. All the components are installed on the vehicle axle and lower base using appropriate adapters without the





need for welding work. Only a battery is required for operation of the 12 V hydraulic pump, if not already installed. Depending on the chassis, our partner companies or we ourselves can install the system in just one working day.

SYSTEM WITH ADDITIONAL BENEFITS

The E&P LEVELC for caravans not only enables the caravan to be levelled fully automatically in a minimum of time – the system also offers a number of additional advantages. The manual control of the supports allows the caravan to be raised during winter storage so that the wheels are clear of the ground. That prevents deterioration to the tyres during storage. At the same time, the caravan can no longer be moved, making it theft-proof when parked in unsupervised areas.

INEXPENSIVE SUPPORT WITH LEVELC – THE COMPACT SYSTEM

In dialogue with caravan owners, the desire for a semi-manual system with which the manual crank supports remain on the caravan was expressed time and again. That led to the development of the E&P LEVELC compact system.

Anyone who wants to do the levelling work manually will find an inexpensive alternative with this levelling system. Two hydraulic steady legs are installed on the axle of the caravan which automatically level the caravan in the transverse axis, controlled from the control panel.

The caravan then has to be levelled longitudinally with the jockey wheel and the crank supports can then be lowered for stabilisation. The caravan is then steady and level – simple!

ADVANTAGES LEVELC

- Level in 2 minutes
- Steady and secure positioning
- Immediately ready for use
- For single-axle and tandem-axle caravans up to a gross weight of 3.5 tonnes
- Fully automatic or manual lifting
- Prevents tyre deterioration by lifting the wheels off the ground during winter storage
- Maintenance-free
- Fully hydraulic
- AL-KO Big Foot supports included
- No wear
- Extremely light
- Anti-theft protection included

TECHNICAL DATA

LEVEL C

- 2 hydraulic axle supports
- 12 V pump block with oil tank
- Electronic controller
- Control panel
- Additional weight approx. 20 kg
- Optional: Remote control or touchpad



LEVEL C Complete system

- 4 hydraulic Big Foot supports



LEVEL C Compact system

- 4 manual Big Foot supports

SERVICE AND PRICES

CONFIGURATION

To find exactly the right configuration of an E&P support system for your vehicle, please contact our retailers and service stations throughout Europe.

These can be found at:

www.ep-hydraulics.de/de/servicestutzpunkte

PRICES AND INSTALLATION

Our service partners will be happy to provide you with details on prices and installation time at any time.





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