



SUSPENSION SYSTEMS

making everyday smoother



- Increased comfort • Better driveability • More safety



COMMERCIAL VEHICLES



Safe and comfortable ride

Everything is under control with the suspension systems of VB-Airsuspension

A relaxed working day

Doing a job properly requires the right equipment. This applies equally to the vehicle that gets you there. It is important that the vehicle and its suspension are in the best technical condition possible, to make sure you stay relaxed throughout the working day.



Invisible essence

A good suspension spring is far away, hidden under the vehicle. You will not see it, but it is an essential component for comfortable and safe driving. It is the mechanical / pneumatic link between the road and your commercial vehicle and is therefore critical to your comfort and safety.

Increased comfort

With ever-increasing congestion, today's business trips, sometimes on very bad roads, require a lot of concentration from the driver. The comfort of the air-suspension brings calm to the vehicle and helps create a relaxing journey.

Better driveability

Thanks to the constant ride height through the air-suspension, your vehicle is always stable. The 2-, 3- or 4-corner control provides a level / horizontal position, regardless of load, thereby reducing any weight imbalance.

More safety

The air-suspension systems from VB-Airsuspension increase the stability of the vehicle in cross winds, when cornering and during unexpected incidents, such as evasive manoeuvres.



- Leaning
- Sagging
- Reduced comfort
- Poor handling
- Less safety
- Difficult loading and unloading
- Load vulnerable to damage



Approvals

Our VB-Airsuspension products have been developed together with various vehicle manufacturers and therefore meet their high quality standards. Approvals from several vehicle manufacturers are available to view on request.



Your benefits:

- ✓ Constant driving level
- ✓ Avoidance of “leaning” or “sagging”
- ✓ Reduced body roll
- ✓ Increased comfort
- ✓ Better driveability
- ✓ Increased stability
- ✓ Increased safety
- ✓ Easier loading and unloading
- ✓ Less damage to sensitive loads

Full air suspension VB-FullAir

Driving at the limit

Comfortable and safe driving is particularly important in a commercial vehicle. This class of vehicle has loading conditions that are very different to other vehicles. The requirement for more suspension capacity increases with each item that is added to the vehicle during the loading operation, yet at the same time, the stability and comfort will decrease with every extra kilo added. Therefore, it is easy to see why, with standard suspension, loading to the gross vehicle weight (and sometimes over it!) has a corresponding impact on ride comfort and driving safety.



Dynamics

The original suspension of a commercial vehicle is designed for payload and not necessarily for comfort. Many parameters affect the driving dynamics and loading possibilities of a commercial vehicle, but loading is a particularly important factor to the vehicle's safety. VB-Airsuspension products are designed to work in harmony with the base vehicle, to create the best possible vehicle dynamics and safety. Whichever solution you choose, you can be sure it will improve your personal driving experience. You will not recognize your own vehicle.



Special features of the VB-FullAir System

AutoLevel*

This option includes a digital water-level which can set your commercial vehicle level (as far as the spring travel permits) by simply pressing the AutoLevel button.

Easier loading / unloading

By pressing a button, the vehicle can be raised or lowered to a certain level, to make loading and unloading simpler. With a car-transporter, for example, the ramp angles can be decreased, allowing a wider range of cars to be picked up, quickly and easily, without damaging low skirts and spoilers.

Tilt function*

This option enables you to lower the side-entrance of your vehicle, allowing easy access for minibuses and/or wheelchair accessible vehicles.

Sport*

The sport level not only improves the aesthetics, but also increases the stability of the vehicle. The driving dynamics and safety will also increase when you really have to go faster.

** only with 4C-systems*



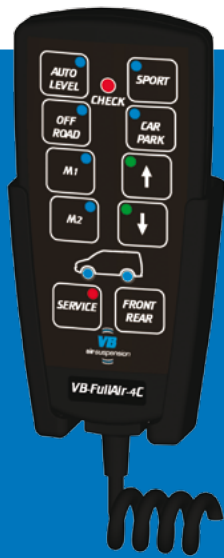
Connect to other components

The software within the VB-Airsuspension systems has been developed to cooperate fully with other components like ramps, straps etc. but also with the hydraulic jacks of E&P Hydraulics and Linnepe.



All under control

The VB-FullAir air suspension systems have a comprehensive control panel, so you have all the functions of the air suspension “under control”.



Versatile

The VB-FullAir systems are extremely versatile and provide comfort in all situations.

AutoLevel	Sport
OffRoad	CarPark
Tilt function	Manual raising
Memory position	Manual lowering














(Client reference)

“ ... I have had the first 5 vehicles, with air-suspension, in my fleet for a few months. The vehicles are much more comfortable and the loading and unloading of the vehicles is a lot easier due to the lowering function. Now I have another problem: my employees are almost fighting over who gets to drive these vehicles. We really experience the benefits of it.”

Fleetowner Mr. Eric Jansen, after having **VB-FullAir 2C** fitted to his light commercial vehicles.



Modification	Increasing ride height	Levelling off-centre loads	Reducing vehicle roll	Improving ride comfort	Improving vehicle handling
VB-FullAir Full air-suspension 	 1	 2	 	 	
VB-SemiAir Semi air-suspension 	 	 2	 5	 5	-
VB-CoilSpring Reinforced coil or leaf springs 	 	-	 4 & 5	 5	-
VB-SpecialParts Heavy duty stabilisers 	-	 3	 	-	
VB-SpecialParts Heavy duty shock absorbers 	-	-	 3, 5 & 6	 6	

-  This product is best suited for this problem.
-  This product is less suitable for this problem.
1. Possibility to lower the rear of the vehicle.

2. Only with dual control (to a limited degree).

3. To a lesser degree.

4. At the expense of ride comfort.

5. Depends on the starting point.

6. Damps the oscillating movement.

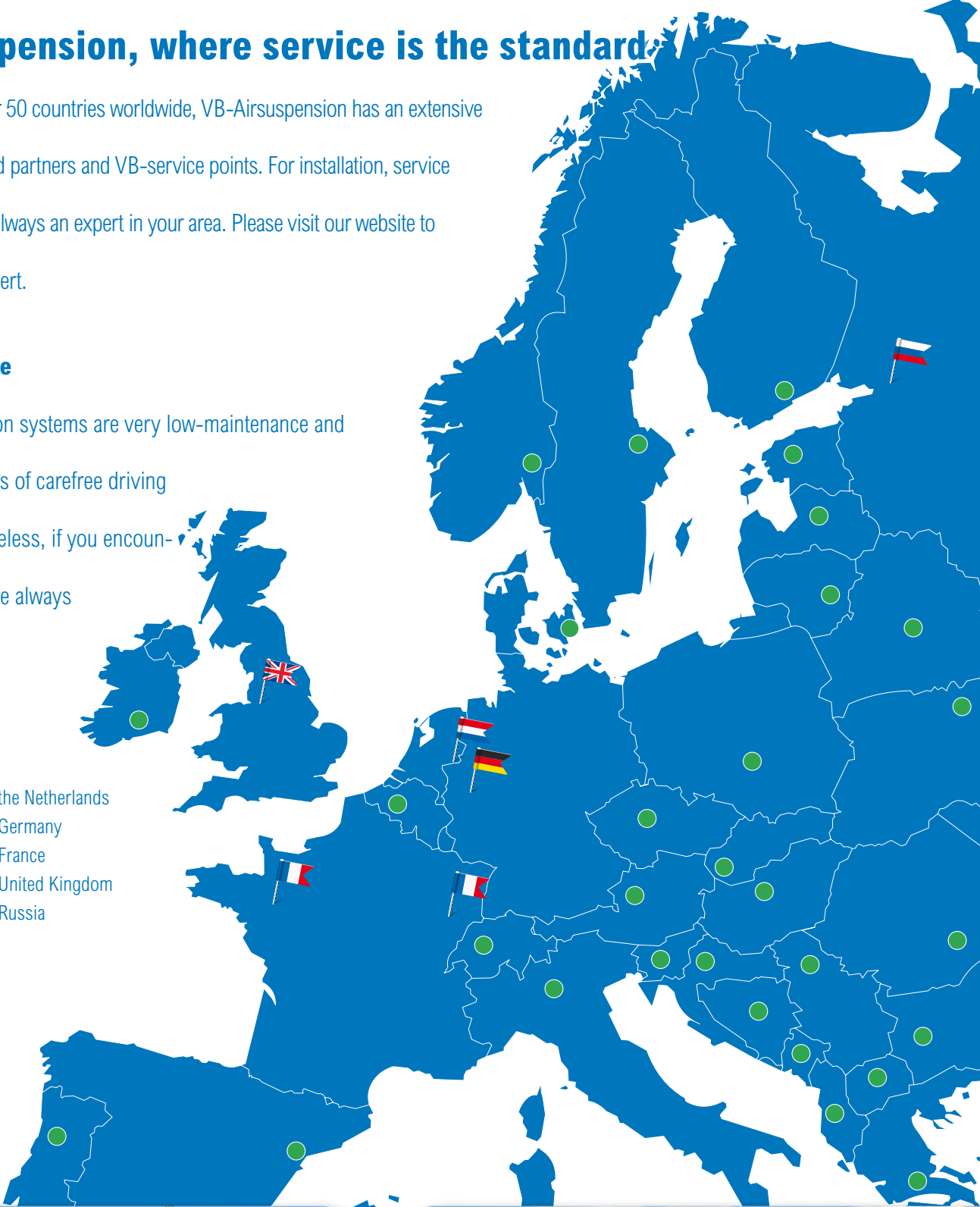
VB-Airsuspension, where service is the standard

With partners in over 50 countries worldwide, VB-Airsuspension has an extensive network of authorized partners and VB-service points. For installation, service and advice, there is always an expert in your area. Please visit our website to find your nearest expert.

Low maintenance

All VB-Airsuspension systems are very low-maintenance and offer you many miles of carefree driving enjoyment. Nevertheless, if you encounter a problem, we are always there for you.

-  VB-Airsuspension the Netherlands
-  VB-Airsuspension Germany
-  VB-Airsuspension France
-  VB-Airsuspension United Kingdom
-  VB-Airsuspension Russia
-  VB-Partner



VB-Airsuspension B.V., the Netherlands





VB-Airsuspension is producing, as one of the few European manufacturers, a very broad range of different (air)-suspension systems. From reinforced coil springs, semi-air-suspension systems, up to complete full air-suspension systems, we provide solutions for customers with different vehicle types, like ambulances, minibuses, car transporters, motorhomes, etc. Now you can see why more and more commercial vehicle body manufacturers specify VB-Airsuspension on their vehicles.



Dealer:



www.vbairsuspension.com