

# SUSPENSION SYSTEMS

making everyday smoother



airsuspension



DISCOVER THE POSSIBILITIES OF VB-AIRSUSPENSION

BETTER SAFETY AND COMFORT ON THE ROAD.

## **VB-LevelAir**

**Semi air suspension with automatic level control**



OUR AUXILIARY AIR SUSPENSION INCLUDES THE FOLLOWING ADVANTAGES: IMPROVED COMFORT – INCREASED STABILITY AND OPTIMAL DRIVABILITY

## SIMPLY GET IN AND GO.

### VB-LevelAir: Semi air suspension with automatic level control

VB-LevelAir is a VB-SemiAir basic system with automatic level control. With the VB-LevelAir system the height is adjusted automatically, as is the minimum and maximum pressure in the bellows, so that the vehicle is always at the right height and the bellows are always at the correct pressure.

FREQUENTLY CHANGING LOADS? AUTOMATIC LEVEL CONTROL IS THE IDEAL SOLUTION.

The VB-LevelAir system is a good option for vehicles that carry variable loads. The VB-LevelAir system ensures the vehicle is at the right height and that the system is at the right pressure whenever the load is changed. The automatic level control removes the need for the driver to do anything if the vehicle load changes. VB-LevelAir is regularly used in vehicles with changing drivers.

	Increases ride height	Minimises sagging	Reduces vehicle roll	Improves suspension comfort
<b>VB-LEVELAIR</b> Semi air suspension (Automatic level control)	++	++	+	++
	Improves driving characteristics	Automatic adjustment		
	+	+		



## WORRY LESS ABOUT YOUR LOAD.

VB-LevelAir is a VB-SemiAir basic system with automatic level control. If the loaded axle is equipped with VB-LevelAir, the ride height will remain the same regardless of the load of the vehicle.

**VB-LEVELAIR IS OFTEN FITTED TO MEET THE FOLLOWING REQUIREMENTS:**

- INCREASED RIDE HEIGHT**
- MINIMISED SAGGING**
- REDUCED VEHICLE ROLL**
- IMPROVED SUSPENSION COMFORT**
- IMPROVED DRIVING CHARACTERISTICS**
- AUTOMATIC ADJUSTMENT**



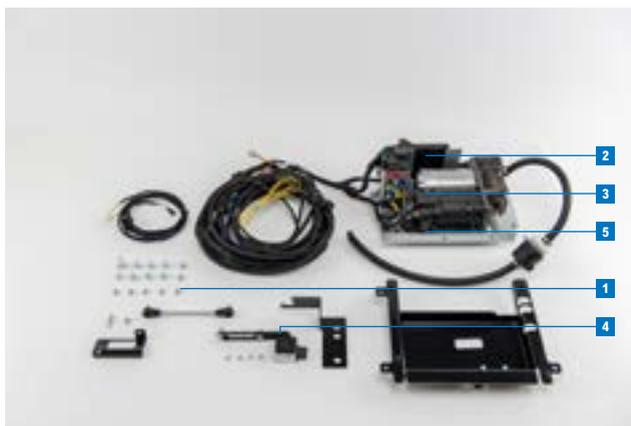
### BENEFITS OF VB-LEVELAIR:

- AUTOMATIC LEVEL CONTROL MEANS NO FURTHER ACTION IS REQUIRED ON THE PART OF THE DRIVER
- IMPROVED VEHICLE BEHAVIOUR FOR ALL LOAD CONDITIONS
- HIGHER RIDE HEIGHT AND INCREASED SPRING TRAVEL
- IMPROVED STABILITY
- 'PLUG-AND-PLAY' SYSTEM ALLOWS FOR QUICK INSTALLATION
- THE BODY, EQUIPMENT AND LOAD REMAIN PROTECTED AGAINST DAMAGE
- HEAVY LOADS ARE NO LONGER NOTICEABLE FROM THE OUTSIDE
- LESS STRAIN ON THE SHOCK ABSORBERS

## ALWAYS THE APPROPRIATE RIDE HEIGHT WITH VB-LEVELAIR.

The VB-LevelAir system is supplied as a complete set. As many parts as possible have already been assembled, so that there is no need to do any welding, drilling, grinding or sawing work on the vehicle.

The VB-LevelAir system consists of a VB-SemiAir basic system with automatic level control.



### THE SET OF THE VB-LEVELAIR SYSTEM CONSISTS OF:

+	Bellows	+
+	Brackets	+
1	Fasteners	+
+	Air tubes	+
2	High-quality compressor box with air filter and air dryer	+
3	Valve block	+
4	Height sensor	+
5	VB-ASCU (control unit)	+
+	Fitting instructions	+
+	User manual	+
+	Approval documentation	+

In addition to the products from the 'semi air suspension' product group, we also offer a wide range of other products. Our products fall into one of four product groups. These product groups contain a variety of systems for many different makes and models, meaning that there is always a suitable solution for you.



**FULL AIR SUSPENSION**



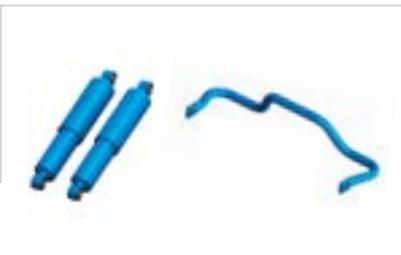
**SEMI AIR SUSPENSION**



**HELPER AND REINFORCED SPRINGS**



**SPECIAL COMPONENTS**



## DISCOVER OUR PRODUCT GROUPS.

### **Full air suspension**

Full air suspension is an automatic, adjustable solution to a suspension problem where the existing leaf or coil spring suspension is replaced by a full air suspension system. Depending on the make and model of vehicle, full air suspension is available for both the front and rear axle.

### **Helper and reinforced springs**

Helper and reinforced springs are suspension systems that support or reinforce the existing suspension system in order to correct a suspension problem. The helper and reinforced springs are either fitted to the existing suspension or replace the original spring suspension. The two systems are available for both the front and rear axle.

### **Special components**

#### Reinforced stabiliser

A reinforced stabiliser is a solid rod of the same material as the springs. This roll stabiliser supports the existing suspension. The roll stabiliser is added to the existing suspension system and is available for both the front and rear axle.

#### Reinforced shock absorbers

Reinforced shock absorbers have their own suspension characteristics. They replace the original shock absorbers, thus becoming part of the existing suspension. Reinforced shock absorbers are available for both the front and rear axle.

#### VB-FSD technology

VB-FSD shock absorbers use VB-FSD technology (FSD stands for 'Frequency Selective Damping'). The VB-FSD shock absorbers have double damping characteristics. They replace the original shock absorbers and thus become part of the existing suspension. Shock absorbers with VB-FSD technology are available for both the front and rear axle.



**WE MAKE EVERY JOURNEY  
A GOOD ONE.**



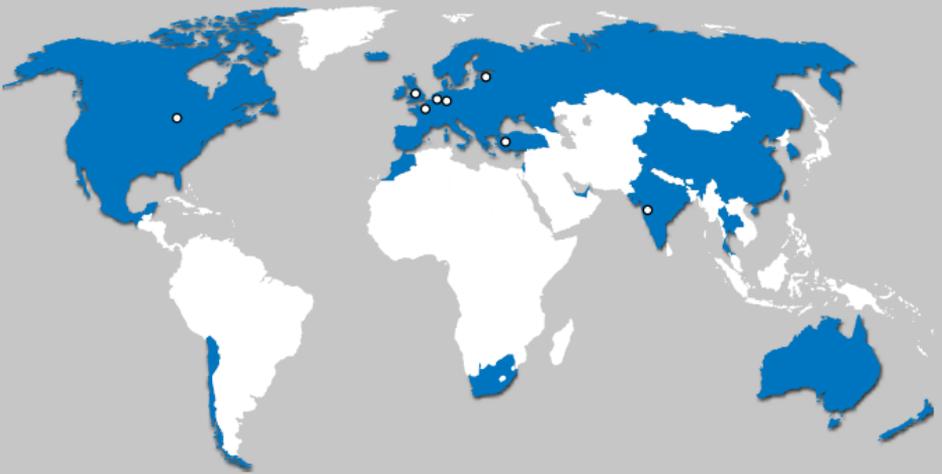
## **VB-AIRSUSPENSION IS ACTIVE WORLDWIDE.**

As a leading company experiencing rapid growth, we want all our customers across the globe to benefit from our premium suspension applications. These suspension applications provide improved comfort, better driving characteristics and improved safety, in turn making every day smoother.

**MAKING EVERYDAY SMOOTHER.**

According to this motto, we aim to provide our customers with the best possible service – and we've been very successful so far! After all, our highly motivated team has been developing and building suspension applications and various air suspension systems for light commercial vehicles, ambulances, car transporters, motorhomes, 4x4 vehicles and off-road vehicles for more than 25 years. Our product portfolio ranges from reinforced springs to full air suspension solutions with active shock absorbers for front and rear axles. We are especially proud of our official recognition from big names such as Mercedes-Benz, Volkswagen, Ford, Renault, PSA and AL-KO – the highest recognition that an accessory specialist can receive from a vehicle manufacturer. TÜV approvals and 'Letters Of No Objection' (LONO) from various vehicle manufacturers mean that our products are also available for other vehicles.

- MORE THAN 25 YEARS OF EXPERIENCE
- 150 EMPLOYEES
- 7 SUBSIDIARIES WORLDWIDE
- REPRESENTED BY PARTNERS IN 40 COUNTRIES
- DELIVERY TO MORE THAN 60 COUNTRIES
- MORE THAN 225 ACCREDITED INSTALLATION PARTNERS
- MORE THAN 825 TRAINED SPECIALISTS
- MORE THAN 200,000 AIR SUSPENSION SYSTEMS SOLD



## DISCOVER OUR PRODUCTS.

Our products find their way to satisfied users through an extensive network of international partners and dealers. Our partners and dealers are authorised specialists that have received extensive training in the installation of our products and in the provision of a high-quality service and appropriate advice.

To find your nearest partner or dealer,  
visit [www.vbairsuspension.com](http://www.vbairsuspension.com).