VTANK



Thank you for choosing HKI AIR SUSPENSION products to control your air suspension.

Our mission is to provide the best experience for you and your vehicle. Our commitment is huge, from development, manufacture, service, sale and warranty.

This manual will provide all important information for the correct and safe use of our products.

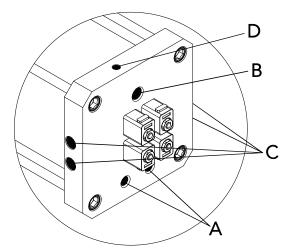
However, if you have any difficulties or if you have any questions that are not addressed in this document, please feel free to contact our team.

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Air tank with integrated and shielded valves, positioned outside the cylinder, this way they are away from pressure and humidity, generating durability to the system and facilitating any type of cleaning or maintenance. Its function is to store the air internally and control the flow of air to the air bags (raising and lowering the vehicle). With VTANK it is possible to control the 4 air bags independently, as the system has 8 valves (4 that control the ascent and 4 that control the descent). It is extremely important that the pneumatic system is independent, this way you will have the standard characteristics of the vehicle maintained as the original suspension, bringing more stability and safety for you.

Pneumatic Installation



The VTANK has 3 auxiliary ports on each side, 2 of them 1/4 NPT (A) and one 3/8 NPT (B), these ports can be used for air supply (electric compressors), pressure monitoring cylinder (gauge), or any other need for an air source point.

(C) 2 air ports for 3/8 NPT air bags + 2 bag air ports for 1/8 NPT pressure gauges/sensors on each VTANK cap.

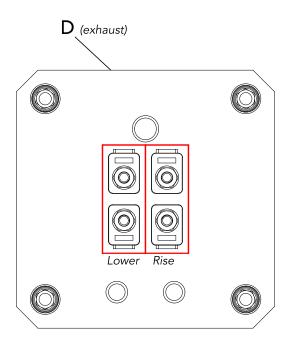
Bag pressure exhaust (D) is 1/8 NPT.

VTANK can be installed at any angle, internally or externally, without any limitation.

The product was specially developed to work with 12v electrical systems, adapting to any other system with voltages lower or higher than this may compromise the product's operation and void the warranty.

Electrical Installation

There is no positive wire and no negative wire on the valve coil, so just make sure you are correctly following the manufacturer's electrical wiring diagram for the air suspension control you will be using.



Remember: Keep in mind that each side of the VTANK is an independent 4-valve block, meaning each side cover of the VTANK has a pair of valves for raising and a pair of valves for lowering the bags.

It is important to understand the difference between independent pneumatic system and independent electrical system.

Independent Pneumatic System: Pair of valves for each bag. (Each bag has its independent pressure) Independent Electrical System: Bag activation by air bag by control.

MAKE SURE that the vehicle is supported on trestles or that there is nothing underneath it before removing the valves, for doing this, the air bags will lose pressure.

