



**Don't be fooled  
by imitations.**

## Rely on genuine Haldex for proper height control.

Only genuine Haldex suspension control valves combine OE quality with reliable height control performance. Only genuine Haldex valves ensure proper ride height, and reduce driveline wear.

The precision time-delay feature of genuine Haldex valves reduces air consumption, and provides optimal efficiency to minimize compressor wear.

Offshore imitation valves can leak and freeze up, causing air suspensions to operate above or below proper ride height. The inconsistent

or nonexistent time-delay functions of imitation valves may cause ride height malfunction. The failure of imitation valves often leads to expensive equipment repairs in transmissions or pinions. These failures may also result in over-height operation, which could lead to bridge impacts that are both costly and dangerous.

So, don't be fooled by imitations—rely on genuine Haldex. Call us today at 800-643-2374, or visit us at [www.hbsna.com](http://www.hbsna.com).



**Haldex**

# Don't Be Fooled by Imitations!

## Rely on Genuine Haldex for Proper Height Control



FEATURE	Haldex Competitive Advantages	Imitation Valves
<b>Genuine</b>	Manufactured in the U.S.A. by Haldex Grand Haven Operations.	Imported.
<b>Longer Service Life</b>	Fully automatic electronic testing ensures the Haldex CR Valve functions properly with five times the service life of imitations.	The Imitation Valve life cycle is one fourth that of the Haldex CR Valve.
<b>Consistent Operation</b>	Thermo-stable silicone in the time delay mechanism ensures consistent operation.	The internal fluids in Imitation Valves do not allow proper time delay performance due to the viscosity or the hot/cold conditions.
<b>Optimum Ride Height Control</b>	Minimizes air consumption and reduces driveline component wear.	Failure to exhaust properly can lead to damaged freight, compressor wear, synchronizer and gear box failure when suspensions ride below design height.
<b>Quality Assured</b>	Haldex valves meet all quality specifications.	Imitation Valves are not individually calibrated and tested.
<b>Precise Time Delay</b>	Reduces air consumption and provides optimal efficiency to minimize compressor wear.	Time delay increases in Imitation Valves when temperature decreases. There is a longer variation in time-delay performance.
<b>Minimum Deadband</b>	The Haldex CR Valve has a minimum deadband to maintain proper ride height.	Deadband in Imitation Valves is three times wider, decreasing trailer life.
<b>Friction Shim</b>	The Haldex CR Valve has a shim between the actuator and the casting to reduce friction.	Without a shim, Imitation Valves can cause dangerous conditions, lost productivity, damaged equipment or freight damage.
<b>Cavity Fluid</b>	The cavity fluid provides precise time delay.	Fluid in Imitation Valves is affected by temperature, causing the valve to malfunction or eliminating the time delay altogether.
<b>Full One Year Warranty</b>	Haldex offers a full one year warranty.	One year warranties are not offered on Imitation Valves.

# Don't Be Fooled by Imitations!

## A Visual Comparison



Haldex CR Valve with tab

Imitation Valve without tab

The Haldex CR Valve (shown on the left) has a tab in the casting, whereas the Imitation Valve (shown on the right) does not.

Haldex CR Valve without tab

Imitation Valve with tab

Adding the tab in the casting made it possible to remove the tab on the bracket cover of the Haldex CR Valve (left photo). Imitation Valves still contain the tab on the bracket (right photo).

Imitation Valves

While Haldex continues to supply a CR Valve with a black block, Imitation Valves have been seen in dark blue, light blue, green and black as shown here.

Imitation Valves

Some Imitation Valve manufacturers have placed logos and part numbers on the cavity covers (shown above). The Haldex name appears clearly on the cavity cover of a genuine Haldex CR Valve.

Thick cavity fluid with pink substance.

Low viscous cavity fluid with dark, dirty color

Time delay performance will vary depending on the viscosity level of cavity fluid. The cavity fluid in Imitation Valves is not at the same viscosity levels as Haldex CR Valves. The fluid in Imitation Valves appears to be contaminated with another substance.

Haldex actuator - mounted flat

Imitation Valve actuator - not mounted flat

Haldex CR Valve actuators are flat on the valve core mating surface (shown on left). Some Imitation Valves do not have actuators mounted flat (shown on right). This may affect time delay, depending on the method of assembly and calibration, if any, for the valve cores.

Haldex does not supply replacement components for the Haldex CR Valve – Imitation Valve manufacturers do. Replacement of internal Haldex CR Valve components will damage the performance of the valve. Replacing the fluid by removing the cavity cover will cause variations in the time-delay feature. Replacing the valve core that is assembled to the valve cartridge will affect the dead zone and time-delay performance.

The Haldex CR Valve has a shim placed between the actuator and the casting to reduce friction. This shim is not used in the majority of Imitation Valves. The elimination of this component will increase the frictional effects, increase wear on the components and could cause the valve to completely malfunction.

Friction Shim