



## Consider this when selecting a Height Control or Leveling Valve

**Air Consumption**—Do you have a limited capacity of air available?

**Air Line Connections**—Today's air systems may use 1/8" or 1/4" NPT, SAE (straight threads), Metric, 1/4" or 3/8" Tube Fittings.

**Counterfeit Products**—Many of today's products have been copied to look exactly like the original Brand Name product, but may not function the same or last nearly as long. Look for the name on the product and for deceptive advertising. A cheap price can be vary costly in the long run.

**Check Valve**—Check Valves are helpful in maintaining air pressure in the air suspension system when the air compressor is off for long periods of time. It can be mounted to the Valve assembly or a secondary valve in front of the HCV.

**Control Linkage**—The linkage is important in protecting the HCV and maintaining an accurate ride height. It is good practice to replace it when replacing the HCV. Adjustable length Linkage may be required when changing Valve models.

**Dead Band**—A wide dead-band allows for a wide variation in ride height. A narrow dead-band minimizes the variation in ride height but may consume more air.

**Delay Valve** —Is used to reduce the consumption of air required by the air compressor. It ignores minor changes in ride height but still adjusts to load changes that last longer than the delay time.

**Dump Valve**—is used to quickly exhaust the air in the suspension system. There are typically two types available:

Normally Open — Requires air pressure to actuate the dump feature.

Normally Closed — Requires negative, or the loss of air, pressure to activate the dump feature. This is sometimes referred to as reverse dump when used with braking systems.

**Flow**—Valves are generally designed for low or high flow applications.

**Non-Delay Valve** — Immediately allows air to flow through the valve as soon as the valve is outside of the dead-band range.

**Mounting**—Most vales use two bolts or studs but there are many different bolt patterns for mounting. Some valves allow an adjustable pattern or include adapter brackets to fit various fixed mounting patterns.

**Porting**—Valves generally have one or two ports available to connect to the air bags.

**Valve Size** —Valves come in many sizes. A small valve may be required to fit tight spaces and allow the Control Arm and linkage to travel freely.

**Warranty**—12 Months is fairly standard but some brands offer 24 and 30 month warranties.



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