

VELVAC NEW HEIGHT CONTROL VALVES



Original Equipment Quality. Precision for Suspension Applications.

The **new** Valves for **Cab and Chassis** Applications

- Direct replacement height control valves for all makes of cab air suspension and chassis applications
- Bolt in installation. No drilling is required.
- Manufactured by the largest supplier of air suspension height control valves to the US truck industry.
- Designed and produced by an ISO 9001: 2000 certified facility to OE specifications

General Features and **Benefits**

- Shear-Seal® Design wears in, not out. Hardened valve components resist wear from air system contaminants.
- Dual Air Bag Ports for ease of installation
- Zinc Plated, anodized aluminum, and engineered plastics combine for superior corrosion resistance.
- Proportional response controls air flow for precise ride control
- 100% factory tested to insure reliable performance
- Integral dump valve with air pilot activation saves space and simplifies installation.

The **Shear-Seal®** Advantage

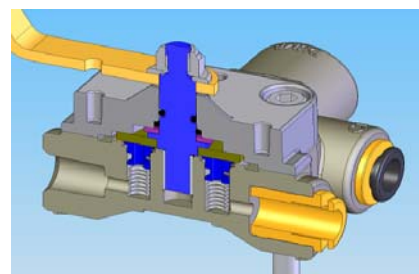
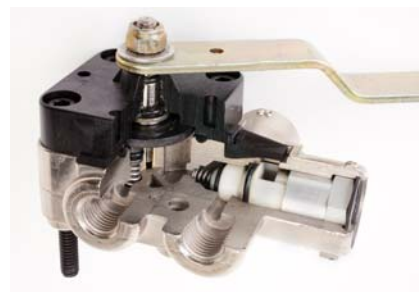
In the past industry expectations for commercial vehicle air suspension height control valves was limited. Designs were based on seals that wore rapidly, requiring frequent replacement. As the seals failed, height control performance deteriorated and air consumption increased. Valve replacement and downtime costs were rising with trucking demand.

The **Shear-Seal Solution:**

- Provides breakthrough improvements in durability and performance
- Over 40 years of heavy duty demanding industry applications such as; steel and paper mills, oil exploration and processing, and defense
- Zero lead technology reduces downtime and costly air loss

The **Shear-Seal Principal:**

- Based on the sliding of two precisely machined metal sealing surfaces across each other, creating a zero-leak* seal
- Media passes through the center of the seals, rather than across the seal surface, preventing contamination from entering the seal areas
- As the valve shifts, the wiping action of the polished metal seals pushes away debris
- Precision engineering and manufacturing combine for unmatched performance and reliability.



* Less than 4CC per minute

STANDARD LEVELING VALVES

Application: Truck primary suspensions, trailer suspensions, bus suspensions

Features:

- Shear-Seal® technology with Zero-leak*
- Lapped rotor and long-wear pressure seals
- Tapered flow curve for lower air consumption
- Precise dead band for accurate suspension height
- Compact design for difficult installations
- Packaged individually in Velvac box including instruction sheet



Part No. 034113

Replaces Delco King of the Road 12C-1(KOR 5549705) & 12-6-2 (KOR 5549706)

Used with Volvo Chassis



Part No. 034111

Replaces WABCO S464 002 443-0, Midland KN 27000

Used with International Chassis



Part No. 034112

Replaces Hadley/Neway 90054007

Used with Kenworth Chassis



Part No. 034114

Replace Hadley H00450CE

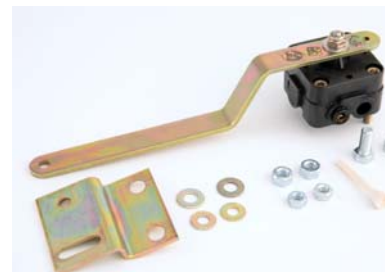
Used with Volvo/Mack Chassis

CAB LEVELING VALVE

Application: Truck cab air suspensions, front suspensions

Features:

- Shear-Seal® technology with Zero-leak*
- Lapped rotor and long-wear performance seals
- Engineered grade thermoplastic housing
- Standard push to connect fittings
- Tapered flow curve for lower air consumption
- Precise dead-band for accurate suspension height
- Packaged individually in Velvac box including instruction sheet



Part No. 034101

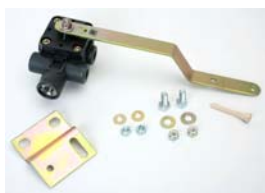
Replaces WABCO S464 007 004-0

Used with International Cab, Peterbilt

* Less than 4cc per minute



Part No. 034122
 Replaces Hadley H00500RS
 Used with International
 Chassis with dump valve



Part No. 034123
 Replaces WABCO 464 008 115-0
 Used with International Chassis
 with dump valve



Part No. 034124
 Replaces International 2506169C91, Hadley
 HAD500NS
 Used with International Chassis with dump
 valve, Peterbilt Chassis with dump valve

INTEGRAL DUMP LEVELING VALVES

Application: Truck primary suspensions, trailer suspensions

Features:

- Shear-Seal® technology with Zero-leak*
- Lapped rotor and long-wear pressure seals
- Precise dead band for accurate suspension height
- Dump valve integrated into suspension valves
 - Eliminates extra dump control valves
 - High flow fast dump of air bags
 - Simplifies air plumbing and saves installation time
 - Tapered flow curve for lower air consumption
- Packaged individually in Velvac box including instruction sheet



Part No. 034126
 Replaces Haldex PR 9054950 & 90554945
 Used with Kenworth Chassis with dump valve,
 Volvo Chassis with dump valve

LINKAGE AND HARDWARE PRODUCT

Adjustable Linkage

- Adjusts for 8 3/4" to 14 1/2"
- 1/4" diameter mounting bolts
- Zinc plated steel rods
- Elastomer ends



Adjustable Linkages
Part No. 034130-034133



Part No. 034134



Part No. 034135



Part No. 034136

Velvac Part No	Description
034130	Adjustable Linkage- adjustment range 6.9-9.6 inches
034131	Adjustable Linkage- adjustment range 9.8-11.5 inches
034132	Adjustable Linkage- adjustment range 10.9-13.6 inches
034133	Adjustable Linkage- adjustment range 12.8-19.0 inches
034134	Linkage Hardware- 5/16-18 thread
034135	Linkage Hardware- 1/4-20 thread
034136	Linkage Hardware- 8 mm course thread

Class 8 OE Leveling Valve Usage

OEM MANUF	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Ford	HAD	HAD	HAD	HAD	HAD	HAD	HAD						
Freightliner	WAB	WAB	WAB	WAB	WAB	WAB	BKS	BKS	BKS	BKS	BKS	BKS	BKS
Kenworth	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	Haldex	Haldex
Mack	DEL	DEL	DEL	DEL	DEL	BKS	BKS	BKS	BKS	BKS	WAB /HAD	WAB /HAD	WAB /HAD
International	MID	MID	MID	MID	MID	MID	MID	BKS	BKS	HAD	HAD	HAD	HAD
Peterbilt	HAD	HAD	HAD	BKS	BKS	BKS	BKS	BKS	BKS	BKS	BKS	BKS	BKS
Sterling						BKS	BKS	BKS	BKS	BKS	BKS	BKS	BKS
Volvo	BKS	BKS	BKS	BKS	BKS	BKS	WAB	WAB	WAB	WAB	WAB	WAB	WAB
Western Star	NEW	NEW	NEW	NEW	NEW	BKS /NEW	BKS /NEW	BKS /NEW	BKS	BKS	BKS	BKS	BKS

HAD = Hadley
 NEW = Neway
 DEL = Delco King of the Road

WAB = WABCO
 BKS = Barksdale
 MID = Midland

Velvac Replacement Valve Reference Number

Velvac Part No.	Description	Ports	Replaces	Used with Vehicles
034101	W/Cab Valve	¼" NPT Ports	WABCO S464 007 004-0, Barksdale KD2355	International cab, Peterbilt cab
034111	W/Std Chassis Valve	¼" NPT Ports	WABCO S464 002 443-0, Midland KN 27000, Barksdale KD2356	International chassis
034112	W/Std Chassis Valve	¼" NPT Ports	Hadley/Neway 90054007, Barksdale KD2357	Kenworth chassis
034113	W/Std Chassis Valve	¼" NPT Ports	Delco King of the Road 12C-1 (KOR 5549705) & 12-6-2 (KOR 5549706), Barksdale KD2373	Volvo chassis
034114	W/Std Chassis Valve	¼" NPT Ports	Hadley H00450CE, Barksdale KD2375	Volvo/Mack chassis
034122	W/Dump Valve	¼" NPT Ports	Hadley H00500RS, Barksdale KD2358	International chassis
034123	W/Dump Valve	¼" NPT Ports	WABCO 464 008 115-0, Barksdale KD2359	Volvo chassis
034124	W/Dump Valve	¼" NPT Ports	International 2506169C91, Hadley HAD500NS, Barksdale KD2360	International chassis w/dump, Peterbilt chassis w/dump
034126	W/Dump Valve	¼" NPT Ports	Haldex PR 90554950 & 90554945, Barksdale KD2374	Kenworth chassis w/dump, Volvo chassis



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