Haldex offers proprietary vehicle technology solutions to the global vehicle industry within specific fields. We focus on products to improve safety, the environment and vehicle dynamics.

We are evolving our competitive capabilities with strategic long-term co-operation and relationships through high performance, low total costs to the customer through the product’s service life, and building long-term customer relationships. Haldex performance and reputation are built on our four business areas: Commercial Vehicle Systems, Hydraulic Systems, Garphyttan Vehicle Systems and Thermo King Systems.

Warning: The positions described within this literature, including, without limitation, product features, product benefits, and product performance, are subject to change and all the information is intended for information only and has been edited/adapted.

The information provided, including charts and graphs, are based on tests performed according to standard test methods by reputable independent test organizations. The results of these tests are to be used as a basis for comparisons of the products or systems, but are not intended to be conclusive. These values are intended to give a rough estimate and do not guarantee that all performance, safety and saving requirements are met.

Haldex offers a complete line of linkages that work in nearly any unit in service. Please see our Suspension Catalog for a complete listing of linkages.

**Controlled Response (CR) Height Valve Control**

Haldex’s time-delay technology reduces tractor and trailer air consumption and component wear. You get:

- A minimum deadband that maintains proper ride height to significantly reduce vibration and divorce wear.
- Reliable performance in all temperature conditions.
- Significantly longer life than remanufactured or imitation Type CR (Controlled Response) height control valves.

**Scale-O-Matic**

Economical Scale-O-Matic technology quickly measures vehicle loads on air suspension systems without a problem. You get:

- Significantly longer life than remanufactured or imitation Type CR (Controlled Response) height control valves.
- Reliable performance in all temperature conditions.
- Significantly longer life than remanufactured or imitation Type CR (Controlled Response) height control valves.

Haldex offers a complete line of linkages that work in nearly any unit in service. Please see our Suspension Catalog for a complete listing of linkages.
If technology is important, there is only one air valve brand to consider.

A commercial vehicle is an essential investment in your operation and needs to perform at its maximum efficiency to add the most value to your operation. When a component to an air suspension system fails or does not perform to your expectations, you pay the high cost of downtime and possibly suffer damage to your investment. Both of which could affect the value of your operation.

When looking for an air suspension system supplier, you should look for more than just the lowest possible price. Look for innovative air suspension technology that will protect your essential investment with quality, reliable performance, extended maintenance and the lowest cost of ownership over the period of service.

If technology, quality, performance and value are important, there is only one air suspension systems brand to consider, Haldex.

Thirty-five years of experience in association with air suspension engineers and the most demanding customers have taught us that air suspension system valves must actively control the air supply. That reliable valve performance is directly related to the level of engineering and manufacturing quality.

This explains why the Haldex engineering process focuses on developing valve technology that will bring customers significant performance and economic advantages. We are continuously improving that technology to lower the cost of ownership. The result is “Value” you will see added to your operation.

The Haldex Valve Technology Advantage

The Precision Response (PR & PR Plus) Height Control Valve

The PR and PR Plus Valves are immediate responding and utilize ceramic seal technology to increase product reliability, durability and reduce air consumption. The PR line of height control valves can be used for any air suspension application and offers the following features and benefits:

- Multiple mounting orientations allow for fast and clean installations as well as easy replacement of other height control valve brands.
- The PR Plus Valve is available with an optional dump valve for exhausting the air suspension system.
- Short and long control arms, multiple port configurations and fitting options simplify plumbing and installation.

The Air Pressure Protection Valve

The most robust pressure protection valve on the market and the only one that includes a serviceable in-line air filter to protect air system components. Heavy-duty die-cast zinc body with nitrile seals provide unmatched durability and reliable performance in all weather applications.

The COLAS® Hand Control Valve

The COLAS® Valve can be used to manually raise and lower the deck height of commercial vehicles and trailers. The COLAS® Valve takes the place of current systems which require multiple components, fittings and plumbing. An optional automatic reset feature is available with the COLAS® Valve. This feature prevents an operator from moving a vehicle while the valve is in use. The COLAS® Valve will reset and allow normal operation of the air suspension system.

Precision Response (PR & PR Plus) Height Control Valve

Air Suspension Systems

The Advantage of Haldex Air Control Valve Technology

The 3-Way Pilot Valve

Engineered for easy installation in truck or trailer air suspensions. Multiple operation configurations allow one valve to be used in manual or automatic dump systems or in auxiliary axle control systems. Robust zinc body with nitrile seals provide unmatched durability and reliable performance in all weather applications.

The EGP Height Control Valve

The EGP Valve is an immediate responding valve that maintains proper ride height of any air suspension. The EGP Valve offers an optional integrated dump valve for exhausting the air suspension. A dual ride height version of the EGP Valve is also available which provides a second ride height for special applications.

The ILAS®-III Lift Axle Control Valve

The ILAS®-III Valve controls the lifting of one or more axles by sensing a load through the primary air suspension. Manual and Fully Automatic versions are available. Both versions offer an adjustable pressure range to meet any lift axle application. The Manual version automatically lowers a lift axle when a load is present and is manually raised by pushing in a switch. The Fully Automatic version requires no manual operation. The ILAS®-III Valve takes the place of current systems which use multiple components, fittings and plumbing.
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The most robust pressure protection valve on the market and the only one that includes a serviceable in-line air filter to protect air system components. Heavy-duty die-cast zinc body with nitrile diaphragm and corrosion protection cap ensure extended reliable operation. Maintains air system quality and improves maintenance ease.

The Advantage of Haldex Air Control Valve Technology

Air Pressure Protection Valve
The EGP Valve is an immediate responding valve that maintains proper ride height of any air suspension. The EGP Valve offers an optional integrated dump valve for exhausting the air suspension. A dual ride height version of the EGP Valve is also available which provides a second ride height for special applications.

The COLAS® Valve can be used to manually raise and lower the deck height of commercial vehicles and trailers. The COLAS® Valve takes the place of current systems which require multiple components, fittings and plumbing. An optional automatic reset feature is available with the COLAS® Valve. This feature prevents an operator from moving a vehicle while the valve is in use. The COLAS® Valve will reset and allow normal operation of the air suspension system.

EGP Height Control Valve
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ILAS®-III Lift Axle Control Valve
The ILAS®-III Valve controls the lifting of one or more axles by sensing a load through the primary air suspension. Manual and Fully Automatic versions are available. Both versions offer an adjustable pressure range to meet any lift axle application. The Manual version automatically lowers a lift axle when a load is present and is manually raised by pushing in a switch. The Fully Automatic version requires no manual operation. The ILAS®-III Valve takes the place of current systems which use multiple components, fittings and plumbing.
If Technology is Important, There is Only One Air Valve Brand to Consider.

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The Haldex Valve Technology Advantage

Precision Response (PR & PR Plus) Height Control Valve

The PR and PR Plus Valves are immediate responding and utilize ceramic seal technology to increase product reliability, durability and reduce air consumption. The PR line of height control valves can be used for any air suspension application and offers the following features and benefits:

- Multiple mounting orientations allow for fast and clean installations as well as easy replacement of other height control valve brands.
- The PR Plus Valve is available with an optional dump valve for exhausting air suspension systems.
- Short and long control arms, multiple port configurations and fitting options simplify plumbing and installation.

Air Pressure Protection Valve

The most robust pressure protection valve on the market and the only one that includes a serviceable in-line air filter to protect air system components. Heavy-duty die-cast, zinc body with nitrile diaphragm and corrosion protection cap insure extended reliable operation. Maintains air system quality and improves maintenance ease.

Air Suspension Systems

The Haldex Air Control Valve Technology

3-Way Pilot Valve

Engineered for easy installation in truck or trailer air suspensions. Multiple operation configurations allow one valve to be used in manual or automatic dump systems or in auxiliary axle control systems. Robust zinc body with nitrile seals provide unmatched durability and reliable performance in all weather applications.

The COLAS® Hand Control Valve

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The ILAS®-III Valve controls the lifting of one or more axles by sensing a load through the primary air suspension. Manual and Fully Automatic versions are available. Both versions offer an adjustable pressure range to meet any lift axle application. The Manual version automatically lowers a lift axle when a load is present and is manually raised by pushing in a switch. The Fully Automatic version requires no manual operation. The ILAS®-III Valve takes the place of current systems which use multiple components, fittings and plumbing.
Linkage Components

A complete line of linkages work in conjunction with our height control valves. Fixed lengths make installation easy and reduce suspension height modifications. Adjustable linkages fit nearly any unit in service. Please see our Suspension Catalog for a complete listing of linkages.

Controlled Response (CR) Height Control Valve

Haldex time-delay technology reduces tractor and trailer air consumption and component wear. You get:

- A minimum drawback that maintains proper ride height to significantly reduce vibration and tire wear.
- Reliable performance in all temperature conditions.
- Significantly longer life than remanufactured or imitation Type CR (Controlled Response) height control valves.

Haldex offers proprietary vehicle technology solutions to the global vehicle industry online, without specific listings. We focus on products to improve cutting the environment and achieve better performance.

We are evaluating new competitive opportunities and challenging long-term growth through high performance, low total costs to improve our competitive position. Haldex operations are supported by a worldwide network of subsidiary companies and distributors and by extensive internal resources. Haldex operations are supported by a worldwide network of subsidiaries and distributors.

Warning: The positions described within this literature, including names, locations, product features, and manufacturer’s names, are not intended to be a complete reference to the companies involved in any form of advertisement. This document and other information from Haldex, its subsidiaries, and authorized distributors provide the information concerning the product or system. These products are available from Haldex and its subsidiaries at any time. The information concerning the product or system, the final selection of the products and systems, and analysis and testing, is solely responsible for making the decision. It is important that businesses having technical expertise. It is important that users having technical expertise. It is important that businesses having technical expertise. It is important that users having technical expertise. It is important that businesses having technical expertise. It is important that users having technical expertise. It is important that businesses having technical expertise. It is important that users having technical expertise. It is important that businesses having technical expertise. It is important that users having technical expertise. It is important that businesses having technical expertise. It is important that users having technical expertise. It is important that businesses having technical expertise. It is important that users having technical expertise.

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Haldex offers proprietary vehicle technology solutions to the global vehicle industry online, without specific listings. We focus on products to improve cutting the environment and achieve better performance.
Haldex offers proprietary vehicle technology solutions in the global vehicle industry worldwide. We focus on products to improve control, safety and adhesiveness.

We are advancing our competitive abilities and building long-term relationships through high performance, low total costs to the customer through the product’s service life, providing cost transparency and improving safety, comfort, fuel consumption and component wear. You get:

- Haldex time-delay technology reduces tractor and trailer air consumption and component wear.
- Reliable performance in all temperature conditions.
- A minimum deadband that maintains proper suspension dynamics. Please see our Suspension Catalog for a complete list of our suspension systems.
- Air Pressure Protection
- Precision Response (PR & PR Plus)
- Controlled Response Height Control Valve
- 3-Rotor Pilot Valve
- Commercial Vehicle Systems

A complete line of linkages work in conjunction with our height control valves. Fixed lengths make installation easy and reduce suspension height modifications. Adjustable linkages fit nearly any unit in service. Please see our Suspension Catalog for a complete listing of linkages.

**Controlled Response (CR) Height Control Valve**

Haldex time-delay technology reduces tractor and trailer air consumption and component wear. You get:

- A minimum deadband that maintains proper performance in all conditions.
- Reliable performance in all temperature conditions.
- Significantly longer life than re-manufactured or imitation Type CR (Controlled Response) height control valves.

**Scale-O-Matic**

Economical Scale-O-Matic technology quickly measures vehicle loads on air suspended axles. A silicone-filled pressure gauge gives an instantaneous reading in PASC for tracking on the supplied callibration decal. This reading lets you easily determine the maximum load.

**Linkage Components**

Haldex valve products are available with metric and push-in configurations. Please see our Suspension Catalog for a complete listing of all suspension controls.