Haldex solutions for tractors and agricultural trailers
**SDX**

**Single air drier**

Single air drier that removes moisture and contaminants from compressed air.

- Patented, high-performance air drier cartridge
- Significantly longer service intervals
- With or without pressure regulator
- With or without heating

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**Unloader valve**

Pressure regulator that controls pressure in pneumatic braking system.

- Adjustable cutoff pressure and operating range
- Available with or without tyre inflation port

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**ELR**

**Emergency line restrictor**

The tractor ELR ensures emergency trailer braking if the pneumatic system fails.

- Fulfils EU regulation 2015/68 in the event of trailer braking system failure
- Ideal in combination with Haldex S-TCV
- Compatible with other hydraulic trailer control valves
- Compact design

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**S-TCV**

**Solenoid trailer control valve**

Modular trailer control valve for vehicles with hydraulic braking system.

- Integrated solenoid valve activates trailer brake through tractor parking brake
- Integrated solenoid valve, in-shot for shorter response time
- Integrated functions and easy installation for substantial cost savings
- Complies with EU regulation 2015/68

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**Automatic drain valve**

Drain valve to purge air tanks.

- Automatically empties any water that has been collected in the tank
**EB+ Gen3**

**Electronic braking system for trailers**

The third generation EB+ takes into account the growing number of wide-ranging systems that communicate with the EBS.

- Accommodates operational systems of 8 to 32 volts
- Accommodates multiple auxiliary CAN devices
- Compatible with mechanical, hydraulic or pneumatic vehicle suspension

**Toolbox for EB+ Gen3**

- Readout and reset codes for stored errors
- Reads brake pad wear indicator
- Shows any recorded changes in system configuration
- Shows ECU 'flash' history
- Shows system pressure, speed, voltage, etc.

**Height sensor**

The height sensor allows mechanical suspension vehicles to be fitted with Haldex EB+.

- Provides EBS system benefits, e.g. greater safety and less braking system wear
- Corrects braking action according to load distribution even in harsh driving conditions
- Improves vehicle handling

**Protect-O**

**Coupling heads with filter**

Protect-O safeguards the trailer’s pneumatic system from dust, insects and other contaminants even if the coupling head remains uncapped.

- Rubber diaphragm closes automatically when coupling head is uncoupled
- Designed for universal fit
- Integrated line filter

**Coupling head**

Single-line coupling head connects tractor and trailer braking systems.

- Integrated valve that automatically interrupts supply as soon as the line is disconnected
- Complies with current ISO 1728
Relay emergency valve
Relay emergency valve controls trailer braking.
› Relay function for quick activation and deactivation of brake actuators
› Adjustable predominance
› Emergency braking when supply line is interrupted
› One and two line versions
› With or without predominance
› With or without release valve
› With or without manual light-laden valve

Pneumatic trailer control valve
Pneumatic trailer control valve regulates trailer air brakes.
› Approved for agricultural trailers up to 25 km/h

Load sensing valve
Load sensing valve automatically adjusts braking pressure in accordance with trailer load.
› Available with mechanical or pneumatic control
› Available with or without shock absorbers (mechanical version)

Air tank
Air tank stores compressed air produced by the compressor.
› In accordance with standard EN 286-2
› Available in various lengths and diameters

ABS MODAL
A complete system for various trailer configurations.
› Available as 2S/2M, 4S/2M, 4S/3M or 6S/3M system
› Available for 12-volt or 24-volt installation
› 24-volt system in accordance with ISO 7638, ISO 3731 or ISO 1185
› 12-volt system in accordance with ISO 1724 or DIN 72570
› In accordance with regulations ECE R13 and EU 2015/68
Blue Seal®
Double diaphragm spring brake actuators for S-cam brakes

Blue Seal® is a combined actuator for service braking and parking.

› Equipped with fabric-reinforced reliable service diaphragm
› Long service life due to powder-coated casing and spring resists corrosion from road de-icing chemicals
› Robust housing withstands vibration from rough roads
› Prevents air leakage between service and spring sides due to two long-lasting O-rings and plastic bearings
› Available in four sizes: 16/24, 20/30, 24/30 and 30/30, all in long-stroke version (75/75 mm)

Service brake chamber
Diaphragm actuators for S-cam brakes

Equipped with fabric-reinforced reliable diaphragm.

› Available with various yokes
› Available with various pushrod lengths
› Available in seven sizes: 9, 12, 16, 20, 24, 30 and 36

AA1, S-ABA
Automatic brake adjusters

Based on the clearance principle developed by Haldex, today’s global standard. Available in two variants: AA1 and S-ABA.

› AA1 brake adjuster with fixed control arm
› Self-setting S-ABA for free-choice positioning of control arm and error-free installation
› Quick and easy to install
› Self-setting: no time-consuming adjustments during installation to achieve correct clearance
› Unmatched efficiency and durability
Haldex develops and provides reliable and innovative solutions focused on brake and air suspension products to the global commercial vehicle industry.

In 2016, the company had net sales of approximately 4.4 billion SEK and employed a workforce of 2,100 people.

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