

Haldex Air Treatment Products











Superior Protection for Compressed Air Systems

Assured Air Quality

Haldex Air Treatment Products offer optimized air treatment for compressed air systems in heavy vehicles. The range provides the best available solutions to ensure compressed air quality and prevent liquid-related system problems.

The efficiency of a compressed air system depends on compressed air quality. Inadequate air treatment results in a build-up of liquids – water, oil and other contaminants. Vapour and dampness impair operation and lead to corrosion and freezing – problems which push up maintenance costs and cause breakdowns.

Whatever your needs – components for commercial vehicle production or replacement parts – products in the Haldex Air Treatment range assure a smooth running compressed air system and minimal maintenance costs.

All Haldex Air Treatment Products are designed for easy installation, operational reliability, a long service life and compatibility to replace existing air treatment products.

Three Proven Products

The Air Treatment range consists of three proven products – the Single Air Drier, Consep and Automatic Drain Valve. Individually or in combination, these products provide the right standard of air treatment and protection for any compressed air system by offering an efficient and

suitable method of separating and removing liquids.

The Haldex Single Air Drier (SD) is the most effective air-drying solution for high capacity compressed air systems. A unique, patented cartridge, containing up to twice as much desiccant as other driers, enables large volumes of air to be dried and filtered more efficiently than ever before – enough to maintain a totally dry system.

Single Air Drier (SD): Filters and dries the compressed air flow to remove oil, water, water vapour and other impurities.

The expected cartridge life is approximately two years. This far exceeds the life expectancy of many other cartridges. And, when the cartridge needs replacing, only the cartridge is changed. For safety reasons, the rigid steel cover is reused.

A good value alternative for separating and removing liquids in lower volume systems is the Haldex Consep.





Consep: Separates oil, water and contaminants from compressor air.

Automatic Drain Valve (ADV): Removes separated fluids from the system.

Fitting the Consep before any air drier is a highly effective combination when there are heavy demands for water and oil removal. When used with the SD, an important benefit is that the Consep removes most oil before it reaches the drier – this considerably extends the drier's service life and cuts maintenance costs.

The Haldex Automatic Drain Valve

(ADV) is an effective remover of liquids from the system, especially for trailers.

Talk to the Experts

No company knows more about compressed air systems and how to protect them from liquid-related problems, than Haldex. Our product range and advice on solutions reflects 20 years of involvement with air treatment products.

Use our air treatment expertise to find the right solution for your production component or replacement part needs. Supply us with details on installation, compressed air system capacity and operating environment, and we can supply you with the optimum solution from our Air Treatment Products range.



Single Air Drier (SD): Unrivalled Drying Power

Cartridge Boosts Efficiency

The Haldex Single Air Drier has a unique cartridge design which enables higher capacity, greater efficiency and a longer service life than rival air-drying units.

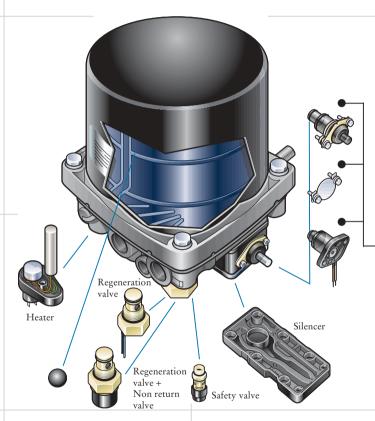
Unquestionably, the Single Air Drier ranks as the most efficient product for separating liquids from a compressed air system. About 99% of oil and water is removed from compressed air passing through the unit, providing maximum protection against costly maintenance-inducing problems such as corrosion and freezing.

Haldex Patented

The patented cartridge enables a larger volume of desiccant to be used in the unit, up to twice as much as other products on the market. Internal cartridge design promotes better circulation and a larger surface area for liquid separation. High capacity coupled with maximum efficiency makes the Single Air Drier particularly suitable for systems with high compressed air consumption - it can treat as much as 800 litres of free air per minute. The Haldex Single Air Drier has sufficient capacity to replace a Twin Drier without loss of efficiency and fits any air system available for trucks and buses.

Long-life Design

In time, oil residues will shorten the effective life of the desiccant bed. The



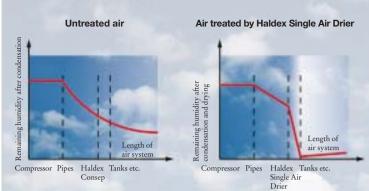
Haldex Single Air Drier features an efficient separator which minimises the amount of oil absorbed by the desiccant. As a result, the desiccant is able to perform at maximum effect for a comparatively long time.

Quick-change Cartridge

Service intervals are longer with the Haldex cartridge system and there are benefits when replacement is due. All you have to do is change the cartridge. With other air driers, the entire unit, including the pressure vessel, has to be removed, disposed of and replaced by another unit.

Adaptable to Your Needs

The Single Air Drier is easy and quick to install and can be adapted for all vehicles with a compressed air system. Options are available to match your





Applications Summary

- As high-capacity performer: the cartridge design makes the Single Air Drier very suitable for use in vehicles with large-volume compressed air systems.
- As original equipment: the unit is the best single product for securing problem-free operation right from the start for new compressed air systems.
- As replacement part: offers an efficiency upgrade for all systems – it is designed to replace all existing makes of drier, including twin cartridge air driers.

Control options:

- 1) Pneumatic governor valve
- 2) External pneumatic control
- 3) Electrical control

Haldex SD fits any application demands.

exact needs. It can be supplied as a heated unit, an important option for cold climates. Where noise control is a priority, the unit can be supplied with a silencer.

The Single Air Drier is also available with different connections and threads, various regenerative alternatives and with or without a governor valves. Advanced regeneration is possible with the integrated solenoid valves connected to the vehicle's electronic management system.





Ideal for Smaller Air Systems

When the requirements of the compressed air system and the operating environment are not so demanding, the Haldex Consep is a good alternative to the Single Air Drier.

The Consep is an efficient, compact product which separates up to 90% of oil and water condensate and other contaminants from the compressed air supply.

As an independent product, the capacity of the Consep is ideally suited to handle air treatment for medium-volume systems in new vehicles or existing fleets. It offers sufficient capacity to provide optimum air treatment for vehicles operating in climates with low humidity. For cooler climates it can be supplied as a heated unit to prevent freezing. As pretreatment, the Consep can be fitted to pretreat air, removing a high percentage of oil and water before it reaches an air drier.

Consep: Solid Performance

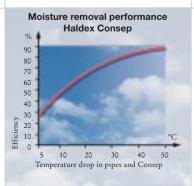


Condensate runs down to the bottom of the unit for automatic removal by the integrated drain valve.

Simple Installation

Easy to install in the compressed air system, the Consep plays a vital role in reducing overall system maintenance costs but requires very little maintenance during a long service life.

Separated liquids are removed from the system by an integrated



automatic drain valve, and solid particles are easily cleaned out.

At every brake or timer application, the electrically controlled drain valve automatically removes water and oil separated by the Consep unit, either for reservoir collection or ejection. Supplied as an integrated heated unit, the automatic drain valve will not freeze up in icy conditions.



Automatic Drain Valve (ADV): Efficient Liquid Removal

The Haldex Automatic Drain Valve (ADV) removes liquids from the compressed air tank each time the vehicle's brakes are applied. It is easy to install in the air reservoir and represents an effective replacement for manual drain valves. The ADV can be heated to avoid freezing.

Trailer Applications

The ADV is highly suitable for trailers, particularly those in rental fleets, which are coupled to trucks with compressed air systems of widely varying standards. An ADV fitted to one or more of the trailer's compressed air tanks will help to compensate for a truck's inadequate air treatment system by efficiently removing accumulating fluids.





A Cost-cutting Combination

Added Protection

Air treatment can be further enhanced by installing the Haldex Consep to pretreat air before it reaches the air drier. The Consep is compatible with any air drier but best results can be achieved by fitting it before the Haldex Single Air Drier – the most efficient on the market.

This combination offers maximum treatment efficiency when dealing with large compressed air volumes and tough climatic conditions where high humidity is a high risk factor for the compressed air system.

The Consep removes up to 90% of water and oil ahead of air drying, resulting in even better air quality and double protection against corrosion,

freezing and other liquid-related system problems. Maintenance costs and the risk of breakdowns are both reduced.

Prolongs Cartridge Life

Fitting a Consep before the Single
Air Drier also extends the service life
of the desiccant cartridge. Air
pretreatment by a Consep removes a
high percentage of oil which
otherwise would clog the desiccant
bed of the air drier causing impaired
moisture absorption and eventual
breakdown of the unit.
By maximising the life of the
desiccant cartridge, the Consep offers
cost savings by extending service
intervals and minimising downtime
due to air drier breakdowns.

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