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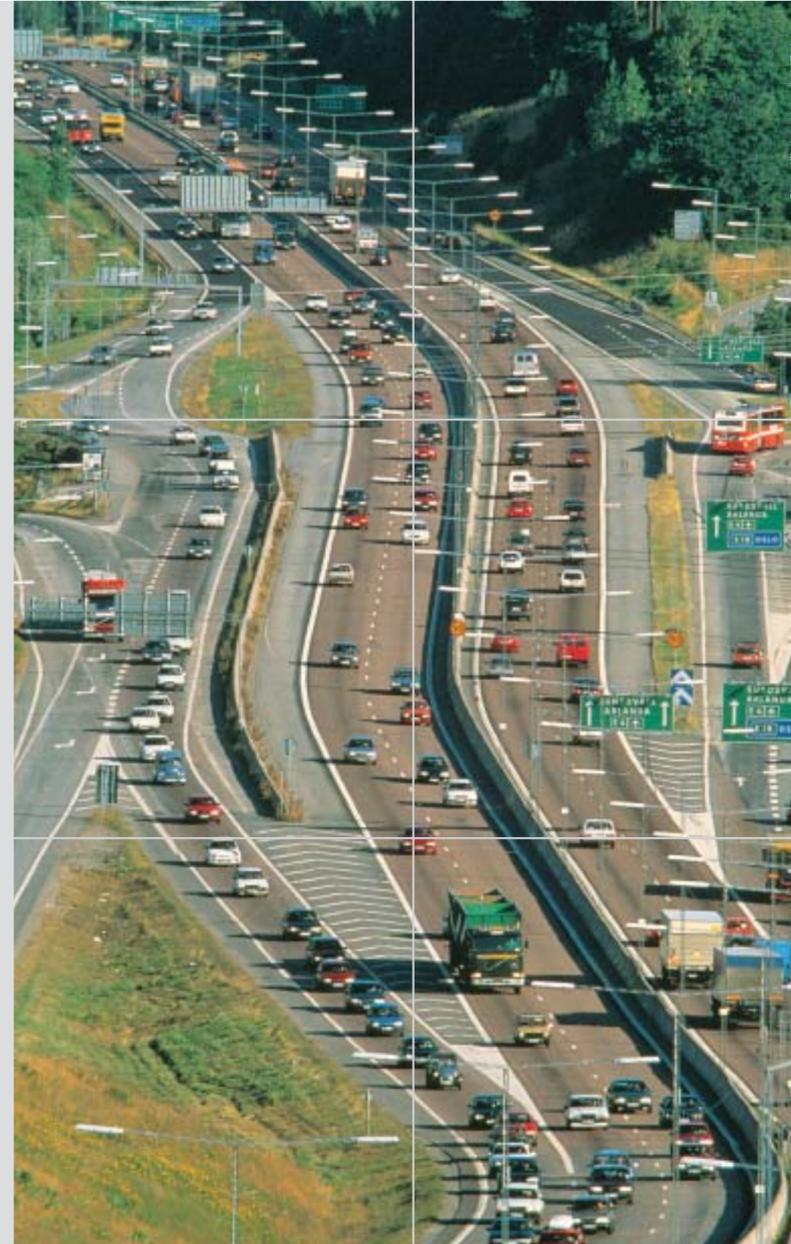
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MTC – a totally new air dryer concept

Haldex's new MTC concept enhances performance, reliability and economy in every type of heavy commercial vehicle, in every environment.

Haldex Group The Haldex Group is a global supplier of proprietary products for trucks, cars and industrial vehicles, with special emphasis on performance & safety. Haldex is listed on the Stockholm Stock Exchange.



Performance & Safety in Vehicles



Borathusen Informationsdesign 88078/0008

Totally clean, totally dry and totally reliable

Under pressure

Compressed air systems in today's commercial vehicles are more demanding than ever. Insufficient drying can lead to freezing. Or corrosion. Or both. Higher pressures generate greater heat, forming aggressive chemicals in the lubricating oil. Rubber and plastic parts may be damaged, causing costly maintenance problems, leakage and worse. Needless to say, nobody wants to see heavy commercial vehicles out there with unreliable brake systems....

From total waste...

Conventional air dryer cartridges require frequent replacement. Replacements due to malfunction mean standstills. And if the desiccant has broken down and entered other systems, those standstills can be very long and extremely costly. What's more, a conventional air dryer cartridge must be replaced in its entirety: canister, filter, desiccant, the works. It adds up to a total waste of time and money.

...to total sense

Haldex has a new and better idea – one that really makes sense. It's the MTC (Multi-Treatment Cartridge), an air dryer concept based on a unique,* easy-to-replace filter and desiccant cartridge. A new generation of cartridge that filters contaminants and handles mechanical stress more efficiently than anything you've ever seen. The lifetime is exceptional. And when the time to replace finally comes, you only have to replace the cartridge itself, so it's quick

*patents pending

and easy. This means less overall waste – which makes sense for the environment too.

For greater safety

The MTC offers a much greater airflow than previous cartridges, as well as the possibility to filter out contaminants. Moreover, the design is extremely heat resistant, and chemical resistance is greatly improved. The filters are incredibly efficient, so you minimize the risk of getting water or contaminants in your brake system. This cuts corrosion and freezing problems. And in turn it drastically reduces the degradation of rubber and plastic components due to aggressive hydrocarbons.

A name to trust

Haldex specializes in brake systems and components, backed by our vast experience and expertise. Moreover, we have earned a solid reputation for innovation and the flexibility to design, develop and manufacture reliable air drying and filtering functionality to meet the requirements of just about any commercial vehicle.

This is why our products are frequently specified by the world's leading safety-conscious commercial vehicle manufacturers. So if you need a complete system – or a top-performance air treatment component to fit into your existing system – there is one name you can always trust: Haldex.



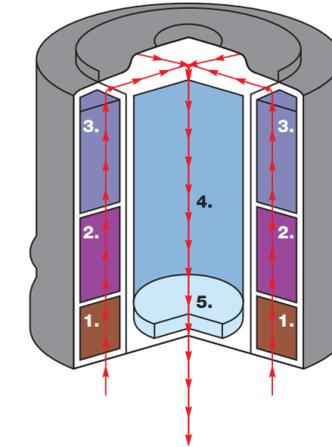
Haldex's MTC concept is based on easily replaceable cartridges. The complete units, consisting of canister, clamp and base unit, are available with various connection and control options.



Here's how

In the MTC, the airflow passes through no fewer than five different filters of increasing fineness.

1. Drops and solid particles are eliminated by a filter of corrosion- and chemical-resistant aluminium with a well-defined mesh.
2. Large molecules (e.g. hydrocarbons from cracked petroleum residues) are then eliminated by a special filter granulate. Water in the form of mist is stopped here.
3. Another desiccant removes water vapour as well as the most dangerous contaminants.
4. The airflow continues up and over into the main desiccant bed, leaving contaminants behind. The airflow distribution is so efficient – the entire bed is utilized – that virtually all remaining water molecules are removed (a dewpoint of -30° is quite normal!).
5. As a final precaution to prevent foreign particles from entering the compressed air system, there is a dust filter at the exit of the MTC.



Backflush

At regular intervals (the interval is calculated for each type of vehicle), compressed air is backflushed through the MTC, where it expands and effectively cleans the filters.

Quick-change

The cartridge can be removed by lifting it a mere 10 mm off the base plate. This slide-in, slide-out design allows quick installation, quick replacement – while saving space and giving greater design freedom.

Strong canister

Because you don't have to replace the entire unit – just the cartridge – the canister can be built to last, and with greater safety. The one supplied by Haldex is designed to last as long as the vehicle it's mounted in!

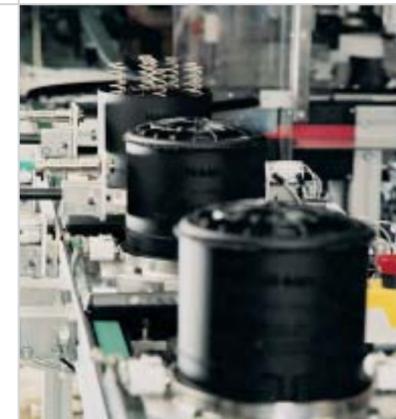


With Haldex's unique production technology, cartridge covers are held in place under high pressure, then welded on to give an absolutely tight seal.

Cartridge specialists

We think we make a great little canister – one that is designed to provide full satisfaction for an exceptionally long time – but canisters are just the beginning.

The heart of the unique functionality of Haldex air dryers is



our new,

interchangeable, high-performance MTC, which can be designed to fit any Haldex system. You won't find a better filter and desiccant cartridge anywhere. Which means you're not likely to find a better air dryer system anywhere. So