Air Treatment

Haldex

Product Information

Multi-Treatment Cartridge Plus reduces air brake system maintenance costs.

The heart of the Haldex air dryer is our interchangeable, high performance Multi-Treatment Cartridge. Haldex is now taking the best drying cartridge in the industry one step further. Introducing the patented Multi-Treatment Cartridge Plus (*MTC+*).

MTC+ has a highly effective coalescence filter on the outlet port, which removes the fine oil and hydrocarbon particles from entering your air brake system.

- Removes up to 40% more of the oil and hydrocarbon materials from the air stream than competitive air drying cartridges
- Removes over 99% of contaminants from your air system, effectively eliminating oil while still maintaining its high adsorption capability
- Eliminates oil contaminants from building up in the air system reservoirs, where they can reduce the air reservoir volume
- Ensures adequate air volume is available for your air brake system components downstream
- Reduces chances of oil contaminants migrating to the air valves and other brake components, where they can impede performance

The *MTC+* uses a multiple-stage cleaning process to deliver the driest cleanest air to your air brake system.

- Provides the highest drying efficiency on the market with up to three times the drying capacity over competitive air dryers
- Exceptional drying capacity does not impede air flow but reduces opportunities of corrosion and freezing problems
- Low mechanical stresses, high heat and chemical resistance allow canister to last the lifetime of the dryer, resulting in fewer replacements over the life of the vehicle
- 4-bolt slide-in and -out design allows for quick replacement while still on the vehicle
- No hard to remove spin-on cartridges with seized threads

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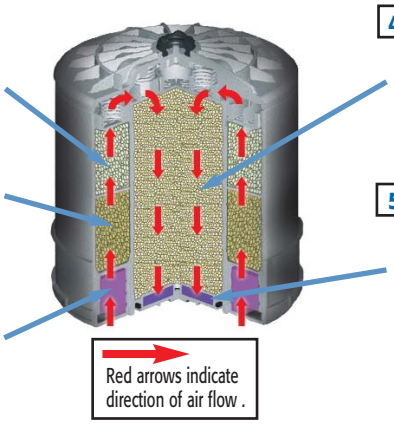
3 **Additional oil and water vapor** are removed through the second desiccant bed.

2 **Oil and water droplets** are eliminated by the large desiccant in the first bed.

1 **Solid particles** are eliminated by the fine corrosion- and chemical-resistant aluminum mesh.



4 **Water vapor and any remaining contaminants** are treated through the main desiccant bed.

5 **Ultra-fine particulate** oil and hydrocarbons are removed from the air flow through the 9 coalescence filters before entering the air system.

L25046 5M CUT Rev. 9/06

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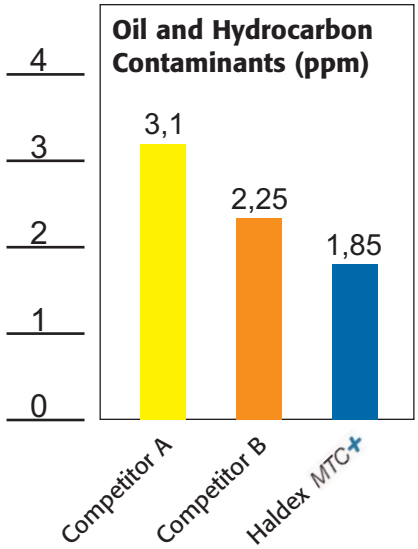
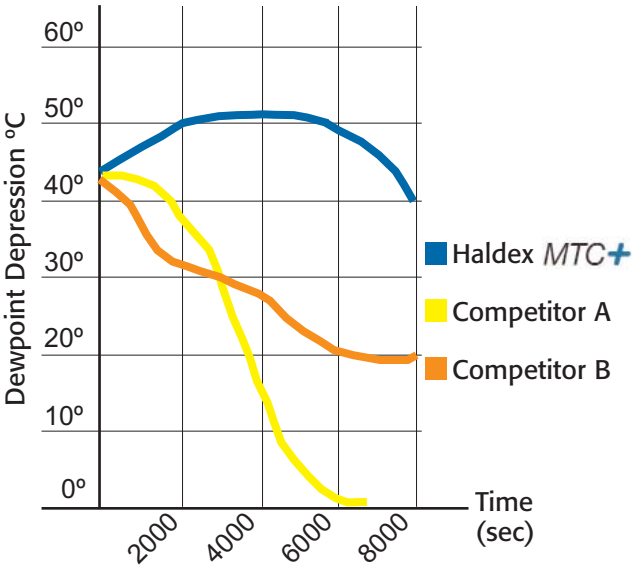
Oil Separation Performance of Different Dryer Cartridges

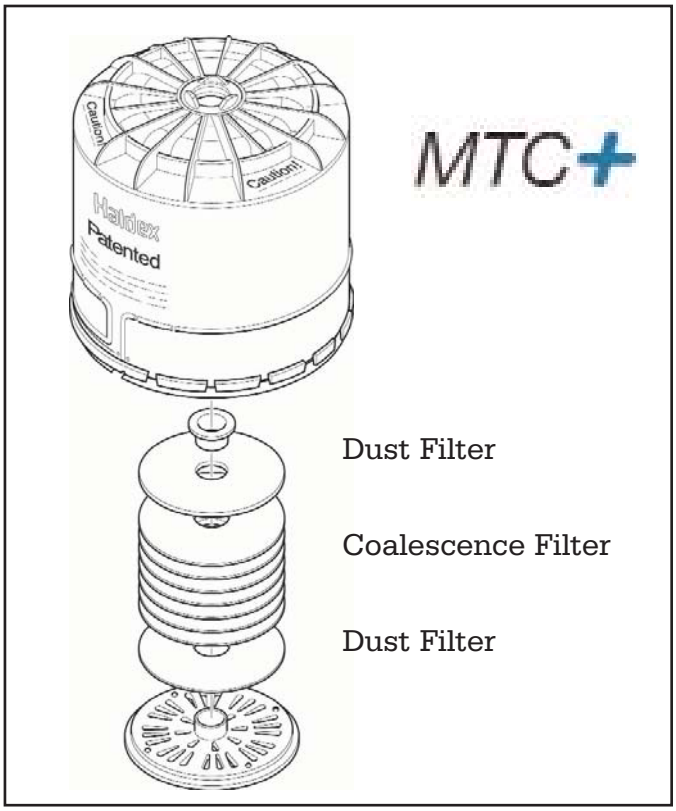
Hydrocarbon detection: FID (Flame-Ionization Detector)



Drying Cartridge Testing



The *MTC+* has greater air drying capacity (SAE J2384) than competitive drying cartridges. This translates into longer in-service hours before servicing. This will help keep overall operational costs down.



The coalescence filters for the *MTC+* are on the discharge passageway of the cartridge. They remove the oil particles remaining in the air stream once the air has passed through the desiccant bed of the cartridge. The MTC proved itself in the field as the best air dryer cartridge in the world and with this improvement of the coalescence filter, the best has gotten even better. The *MTC+* cartridge will fit directly in the applications of the MTC so there are no modifications to make to the DRY*est* and PUR*est* Air Dryers already in operation.

Standard Service Part Numbers

47178964	Cartridge kit for DRY*est*
DQ6050	Cartridge kit for PUR*est*

Commercial Vehicle Systems

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