

# AIR TREATMENT

**Haldex**

**ModulAir®**

## **ModulAir® Integrates System Components for Long Life and Reduced Service.**

Combining air treatment, intelligent control and distribution within one modular platform, the new Haldex ModulAir® advances the air management and distribution function within vehicle air systems. By reducing the number of components into an integrated air management system, ModulAir® reduces system size and weight, extends life, lowers maintenance and minimizes failure points for heavy duty truck and bus applications.

The new Haldex ModulAir® dryer advances the air management and distribution function within vehicle air systems by combining air treatment, intelligent control and distribution within one modular platform.

The new modularly-designed ModulAir® provides a new family of products to meet the needs of various global applications.

In its most basic form, it is a mechanical air dryer.

- All ModulAir® dryers contain the Haldex exclusive MTC (Multi-Treatment Cartridge) that maximizes drying capacity.
- ModulAir® integrates the system check valves, air governor and regeneration system without a separate purge tank, minimizing space requirements. ModulAir® reduces maintenance with fewer components and fewer failure points.
- The ModulAir® platform offers flexibility of air drying and delivery. Advanced versions of ModulAir® will incorporate an ECU with intelligent controls for governor function, purge control and energy management.



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### ModulAir®

#### ModulAir® Standard Product Specifications

Drying capacity (SAEJ2384)	9.2 scf
Assembly weight	17.4 lbs.
Installation envelope	13 in. H x 10 in. W x 8.5 in D
Number of protected circuits	4
Stages of drying	5
Inlet air temperature range	-40° F to 170° F
Maximum working pressure	170 psi
Safety relief pressure	175 psi
Pressure drop	<5.8 psi @ 35 psi
Turbo protection pressure	44 ± 8 psi
Regeneration Type	System
Voltage for heater	12 VDC or 24 VDC
Power consumption for heater	.90 W
Heater connector	Weather Pack Female
Physical mounting	SAEJ2383 Fig. 1 or SAEJ2383 Fig. 2 Using Haldex Universal Bracket

#### ModulAir® Options

##### Air Dryer Module

- Heater 12 or 24 VDC
- Wiring connector pigtail for heater
- Quick fill valve

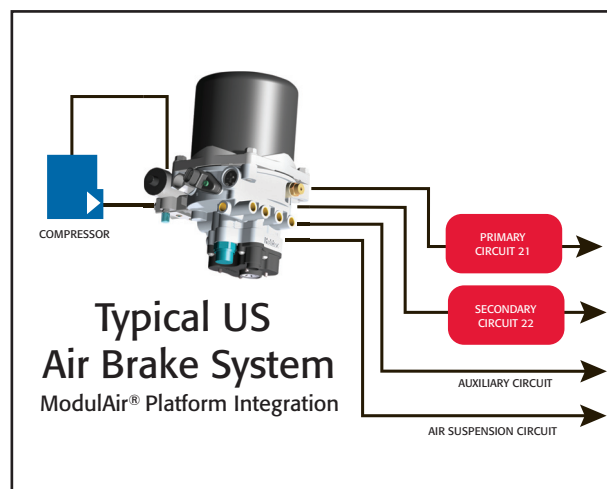
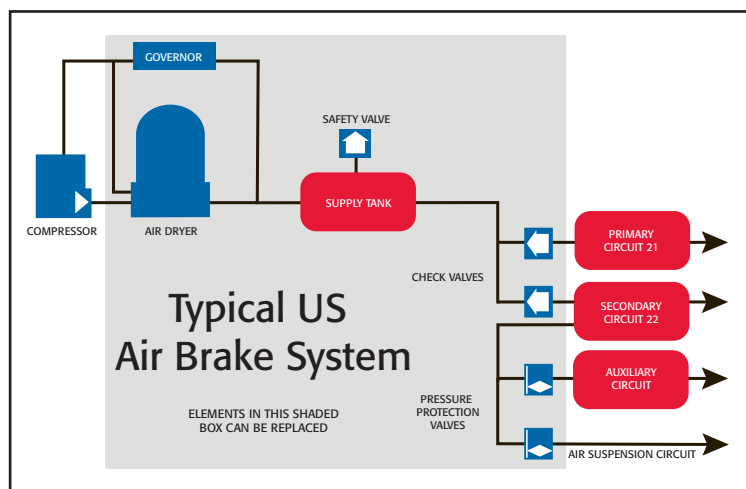
##### Air Distribution Module

- Pressure protection control of Primary and Secondary air brake circuits
- Pressure protection control of multiple Auxiliary circuits (1 to 5 circuits total)
- Purge tank regeneration

##### ECU Control Module with CAN Interface

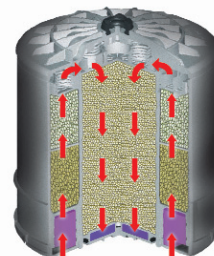
- Intelligent regeneration
- Power savings mode
- Electronic governor control

#### ModulAir® Simplifies Typical Air Brake System by Reducing Components



#### The Heart of ModulAir® is the Haldex Multi-Treatment Cartridge

Nothing keeps your air brake system dryer while eliminating oil than the 5-stage Multi-Treatment Cartridge (MTC), which effectively eliminates oil while maintaining high water adsorption capability. With water drying capacity up to three times more than competitive cartridges, the exceptional drying capacity of the MTC doesn't impede airflow, which reduces corrosion and freezing problems. The extended desiccant service life means fewer replacements and more consistent air quality to your air brake system.



L25107 US 8/08 5M CM

#### Haldex Commercial Vehicle Systems

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