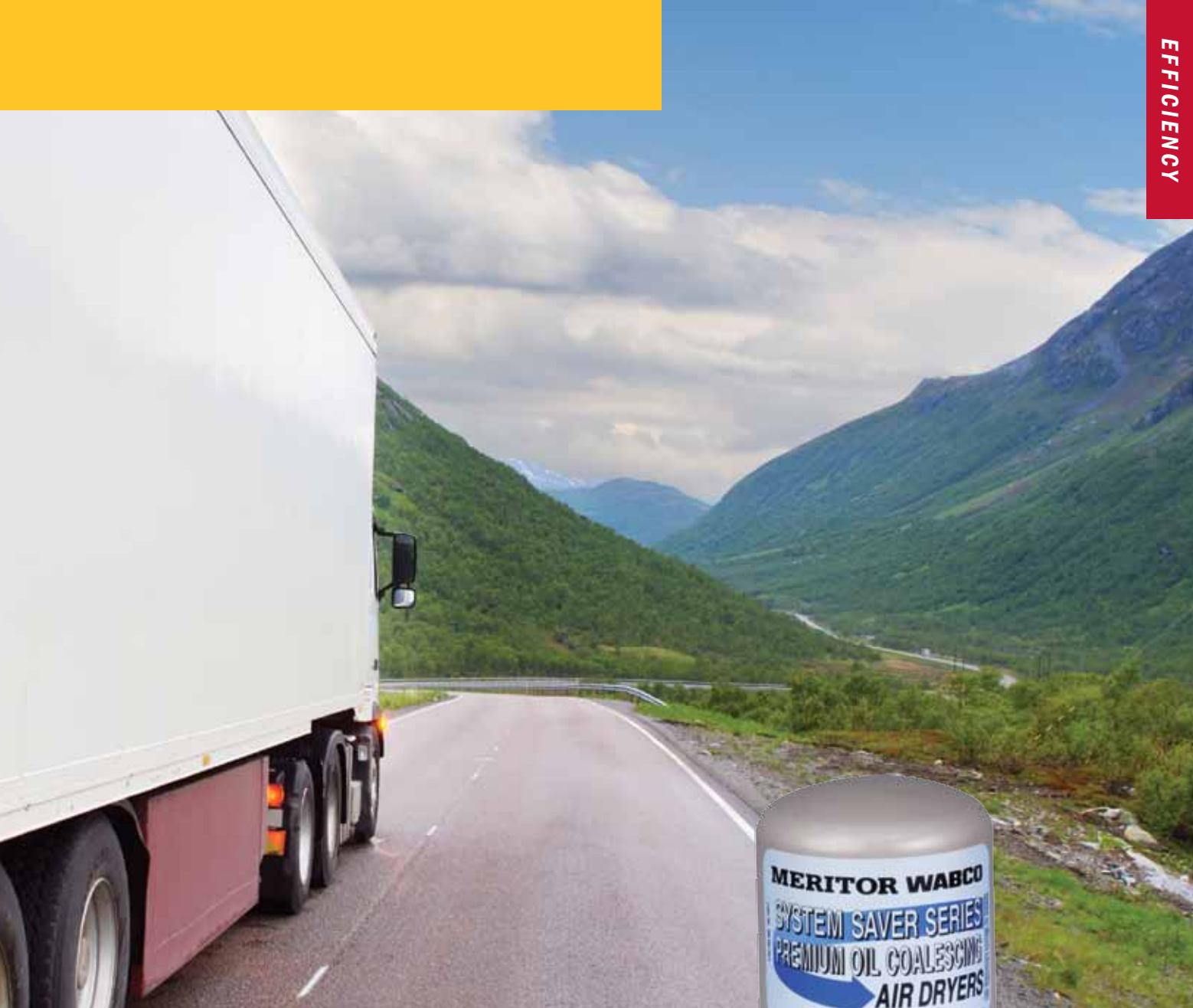


Electrically Controlled Air Dryer

EFFICIENCY



Dries the air. Drives more profit.

Meritor WABCO air-processing systems are designed and engineered to set standards in quality, reliability and durability. Our Electrically Controlled Air Dryer (ECAD) is controlled by the vehicle's Electronic Control Unit (ECU) and features a simple, robust and lightweight design that delivers intelligent drying and processor control.



Pressure control and regeneration function via two solenoid valves attached to the air dryer and controlled by the ECU. The ECU evaluates vehicle information, including system pressure, engine speed and air supply. Diagnostic messages for the air dryer are communicated to the driver through warning lights.

All in all, the ECAD means peak performance, optimum fuel savings, increased uptime and lower service costs – long-standing hallmarks of Meritor WABCO products.

Regeneration control.

Air dryer desiccant regeneration takes place via the air system. No separate purge reservoir is required – reducing weight and potential leak paths.

The system allows for intermediate smart regenerations during long pumping cycles. The ECU recognizes them and then initiates an intermediate regeneration to ensure optimal drying during the whole delivery cycle.

Meritor WABCO desiccant cartridges, combined with controlled regeneration, provide improved performance over standard air dryers.

Intelligent compressor control.

- Potential fuel savings can be achieved when combined with control software.
- System pressure is dynamically adjusted to driving conditions; cut in/out are set within the program.
- Dryer inlet temperatures are reduced – allowing for more efficient air drying.
- Potential for compressor to be immediately activated when air suspension requires air when combined with control software.



Intelligent drying.

With the Meritor WABCO ECAD, regeneration is determined by delivered air volume.

- Monitoring air use allows regeneration only when needed.
- Monitoring of dryer working cycles and flow rates allows for tracking of cartridge life and recommended servicing.



Two solenoid valves, controlled by the vehicle ECU, take over the pressure control and regeneration functions.



ECAD not only dries air but also greatly reduces the risk of damage to the braking system and components from oil contamination, thereby reducing service costs.



Other key features.

- Similar in size to standard Meritor WABCO System Saver 1200 air dryers.
- Coalescing filter for extended brake system life.
- Uses most of the same service kits as the System Saver 1200 air dryers.
- Electrical solenoids are packaged as an assembly for easy diagnosis.
- Common Meritor WABCO three-bolt mounting pattern.
- Cartridge change requirement is programmed from the ECU.



Constant innovation in efficiency.

For more information on Meritor WABCO System Saver air dryer products, call our OnTrac customer service team at 866-OnTrac1 (866-688-7221) or visit meritorwabco.com.

MERITOR WABCO

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