

FuelGuard™

electronic air
processing unit



- **INTELLIGENT** air dryer **OPTIMIZED** in size, cost and functionality
- **SMART CONTROL** of compressors with power reduction, clutch and electrical drive
- Significant **FUEL ECONOMY** with the efficient use of vehicle **OVERRUN PHASES** and optimized regeneration control
- Modular design for system and service **COST SAVINGS**



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Possibility to use FuelGuard in two subassemblies



Maximum annual fuel savings for a typical long haul application (150,000 km/yr)



SMART AIR PROCESSING FOR HIGHER VEHICLE EFFICIENCY

Developed from WABCO's market-leading 1st generation E-APU, FuelGuard is a new generation electronic air processing unit connected via CAN bus to the vehicle's electronic architecture. FuelGuard incorporates air drying, multiple circuit protection, pressure sensing and control functions for Power Reduction, clutch and electric driven compressors.

Its modular design, small size, low weight and a rich set of options, deliver versatility that makes it the right choice for a wide range of commercial vehicle types and applications.

SIGNIFICANT FUEL ECONOMY

Advanced electronic control, together with FuelGuard unloader system, enables the use of nearly all engine overrun phases – phases in which no fuel is being used – to switch the compressor into pumping mode.

The discharge line is kept pressurized during the off-load phase, which allows the full potential of small overrun phases to be realised. The optimized purge cycles and regeneration process generate more energy savings.

INTEGRATION, INSTALLATION AND SERVICE COST SAVINGS

FuelGuard modular design enables the support of global vehicle platforms on different technology levels. The low height and the possibility to use FuelGuard in two subassemblies make it the ideal solution even for complex installation conditions.

Further reduction of service and installation costs can be realized by omitting the air reservoir, piping and brackets for trailer control.

CHOOSE WABCO FUELGUARD AND BENEFIT FROM:

- Annual fuel saving up to 1000 liters of diesel
- Optimal utilization of the benefits generated by compressors equipped with Power Reduction, clutch or electrical drive
- Installation and service cost savings
- One modular design for global platforms with different technology levels by region

WABCO (NYSE: WBC) is a leading global supplier of technologies and control systems for the safety and efficiency of commercial vehicles. For over 140 years, WABCO has pioneered breakthrough electronic, mechanical and mechatronic technologies for braking, stability and transmission automation systems supplied to the world's leading commercial truck, trailer and bus manufacturers. With sales of \$2.8 billion in 2011, WABCO is headquartered in Brussels, Belgium. For more information, visit

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