



NEW!

AIR

Shield™

Diesel Exhaust Fluid

- Cummins Approved
- Compatible with all diesel SCR Systems
- API Certified and meets ISO 22241 specifications
- Non-toxic, non-hazardous, and non-flammable
- Ready-to-Use

2.5 Gallon Advantages

- Comes standard with plastic nozzle for easy dispensing
- Easy-pour vent helps dispense contents 3x faster than leading competitor
- Depth of 7.7 inches allows for two units per facing on retail shelves



Air Shield™ Diesel Exhaust Fluid

Background

The Environmental Protection Agency requires all 2010 on-highway diesel engines to meet new minimum NOx (Nitrogen Oxide) emission standards. In order to meet these lower standards, most engine manufacturers are utilizing Selective Catalytic Reduction (SCR) exhaust systems. These systems mix Diesel Exhaust Fluid (DEF) with engine exhaust and forced through a catalytic converter to change the NOx emissions into nitrogen and water.

Diesel Exhaust Fluid

DEF is a mixture of high-grade urea and deionized water. This mixture must be free of all metals and contaminants to protect the catalyst and avoid costly repairs. Valvoline packages Air Shield using only dedicated equipment to ensure the product is pure and contaminant free. Air Shield is API certified and meets ISO 22241 specifications.

Manufacturer Implementation

Each SCR equipped vehicle will carry DEF in a separate storage tank. The dosing control unit sprays a fine mist of DEF into the exhaust stream and is consumed at an approximate ratio of 2% to diesel fuel (1 gallon of DEF to 50 gallons of diesel fuel). If a vehicle achieves 6 miles per one gallon of diesel fuel, it will achieve approximately 300 miles per gallon of DEF.

The Valvoline/Cummins Relationship

Valvoline and Cummins signed a marketing and technical alliance in 1995 to market heavy-duty lubricants in North America. The focus of the partnership has expanded to include regional marketing alliances and joint ventures in emerging markets around the world. This worldwide cooperation combines engine, lubricant, filtration and DEF technology to deliver products and services that reduce total cost of ownership and achieve our shared goal of customer for life.

Dispensing Equipment

To prevent contamination, clean dispensing equipment made with DEF compatible materials must be used when dispensing Air Shield into the vehicle. For more information regarding equipment options contact your Valvoline sales representative.

DEF Storage

To maximize shelf life and DEF mileage, it is important to store the product properly. The recommended storage temperature is between 12°F and 86°F. Product efficiency and shelf life will decrease for products stored above 86°F. Products stored below 12°F will freeze (DEF can be used without concern when thawed).

Therefore, in cold temperature regions it is recommended to store the product inside or underground. In warm temperature regions, the product should be stored in a shaded area.

DEF Packaging Options

Packaging options include: 1 gallon, 2.5 gallon, 55 gallon drum and 330 gallon disposable tote. For bulk delivery, contact your Valvoline sales representative.

Product Information: Package Size/Part Numbers

Description	Part Number	Unit UPC	Case UPC	Unit Dimensions (LWH)	Case Dimensions (LWH)	Units/Pallet
Valvoline Air Shield DEF 4/1 GA	728770	0-74130-72877-6	0-74130-72870-7	7.688"x3.93"x11.813"	16.132"x8.757"x12.765"	48 Cases
Valvoline Air Shield DEF 2/2.5 GA	729566	0-74130-72966-7	0-74130-72967-4	9.6"x7.6"x11.75"	16.438"x10.75"x13.188"	36 Cases
Valvoline Air Shield DEF 55 GA Drum	728801	0-74130-72881-3		23.25"x23.25"x34.75"		4 Drums
Valvoline Air Shield DEF 330 GA Tote	728802	0-74130-72882-0		4.3'x3.64'x5.85'		1 Tote

For more information, please contact
your Valvoline sales representative
or call: 1-800-TEAM VAL

