



AdBlue[®] Diesel Exhaust Fluid (DEF)

Aqueous Urea Solution for Your SCR NO_x Reduction Systems

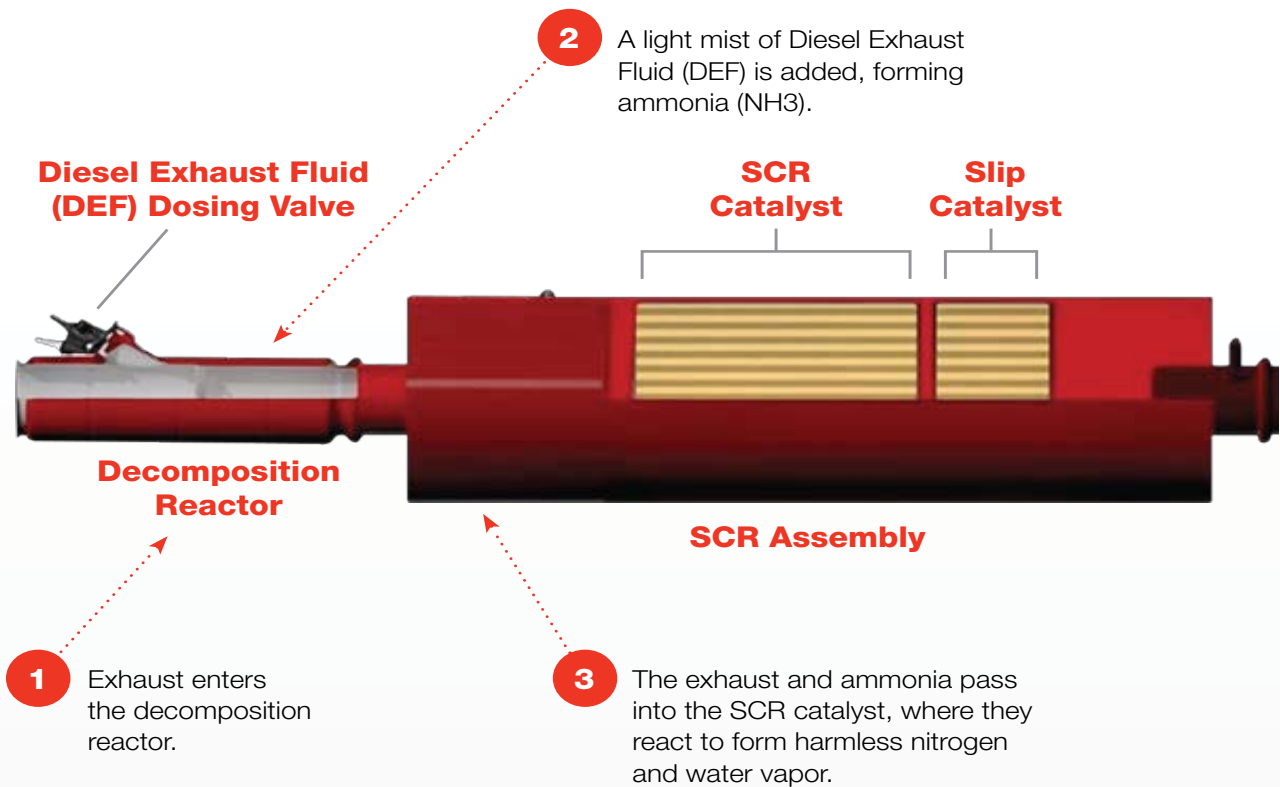




2010 Emissions: The Right Technology Matters

The SCR Aftertreatment System

The SCR aftertreatment system basically consists of three elements: catalyst, DEF (Diesel Exhaust Fluid) and DEF dosing system.



Fleetguard® DEF products available for OEM First Fill and Aftermarket:

Part Number	Description
CC36058	10 litre
CC36059	20 litre
CC36060	205 litre
CC36061	1000 litre

Fleetguard[®] AdBlue[®] Diesel Exhaust Fluid (DEF): Specially Blended for Your SCR System

DEF is a urea-based chemical reactant designed specifically for use in SCR systems to reduce NO_x emissions. The raw materials used to produce DEF include natural gas, coal or other petroleum products. DEF is prepared by dissolving solid high purity urea in deionized water to create a 32.5% solution in water. DEF and similar urea-based products are widely used today for a variety of agricultural and industrial needs.

Fleetguard DEF meets ISO22241 specifications for purity and composition, while being:

- Non-toxic and non-polluting
- Non-flammable
- Stable and colorless
- Non-hazardous
- Does not require special handling

Material Safety Data Sheets (MSDS) are available.

DEF Storage

Optimal storage temperatures for DEF are between -12 °C and 32 °C. Therefore, in cold temperature regions, it is recommended to keep DEF-IBC's in a storage unit. In warm temperature regions it is recommended to store DEF-IBC's in a shaded area. Since DEF is corrosive to certain sensitive metals, such as aluminum, all DEF equipment will be made of an appropriate, heavy-duty and tamper-free form of durable composite material.

Vehicle Operation

Each SCR equipped vehicle will carry DEF in a storage tank. Depending on the OEM application, DEF tank size will range in capacity. The storage tank is designed in terms of a 2:1 ratio: a minimum of 2 diesel fill-ups corresponds to 1 DEF fill-up.

Cold temperatures are of no concern to drivers. During vehicle operation, the SCR system is designed to provide heating for the DEF tank and supply lines. If DEF freezes when the vehicle is shut down, start up and normal operation of the vehicle will not be inhibited. The SCR heating system is designed to quickly return the DEF to liquid form and the operation of the vehicle will not be impacted.

AdBlue® Pumping Equipment

	<p>P/N: DEF Hand1 Durable Polypropylene Construction (For a 205 ltr only) Rotary action Lightweight Suitable for acid alkaline etc. 3 piece suction pipe 2" bung adaptor Outlet rotatable 360 deg. Pumps acid, alkaline, diesel, some chemicals, alcohol and water. Also pumps machine oil</p>
	<p>P/N: DEF Kit1 Drum & Container Pump Kit. 1000mm length, 240V/1ph/50Hz motor. Polypropylene construction. Includes: <ul style="list-style-type: none"> • B2 PP-SL32 1000mm Pump • 1.5 metres of PVC chemical hose and fittings • Polypropylene trigger nozzle (non-automatic) • Wall bracket </p>
	<p>P/N: DEF hose1 Chemical Hose Set ¾" Chemically resistant hose, complete with 1" fittings to suit fitting to both pump tube and nozzle. 4 Metre Length, (Option for kit 1)</p>
	<p>P/N: DEF meter1 Flow Meter For accurate and efficient flow measurement. Constructed from polypropylene and designed to fit easily to Lutz B2-Vario pump set. (Option for kit 1)</p>
	<p>P/N: DEF nozzle1 ZDN16 Automatic Nozzle For filling of AdBlue® into tank. Aluminium construction with ¾" inlet connection (suits chemical host set). Automatic shut-off. (Option for kit 1)</p>
	<p>DEF nozzle2 Automatic nozzle with magnetic strips For Filling of AdBlue® into tank To be used on Mercedes-Benz Vehicles (Option only for kit 1)</p>

Pump Warranty: Pump warranty is 12 months from date of purchase.

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