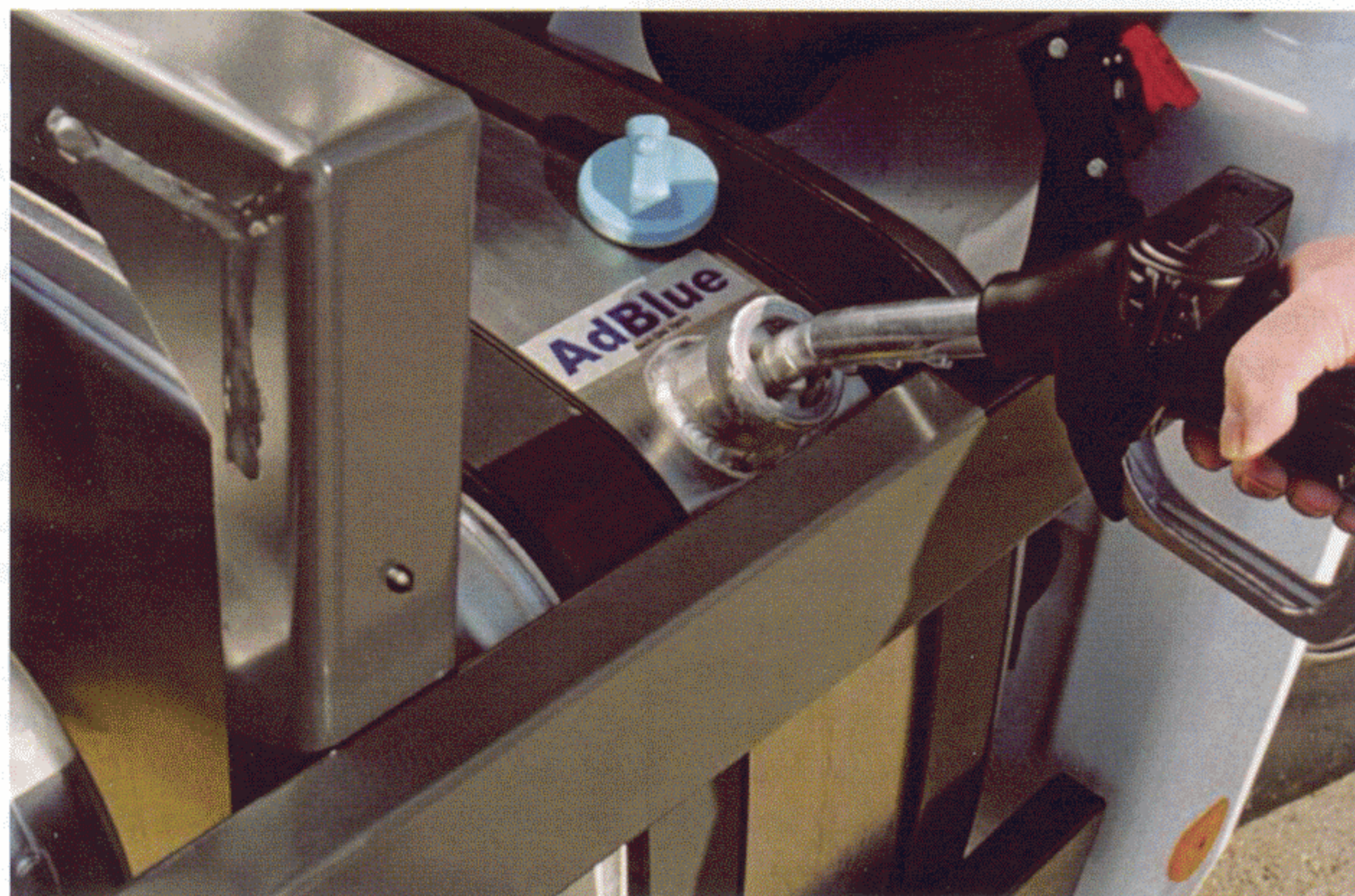
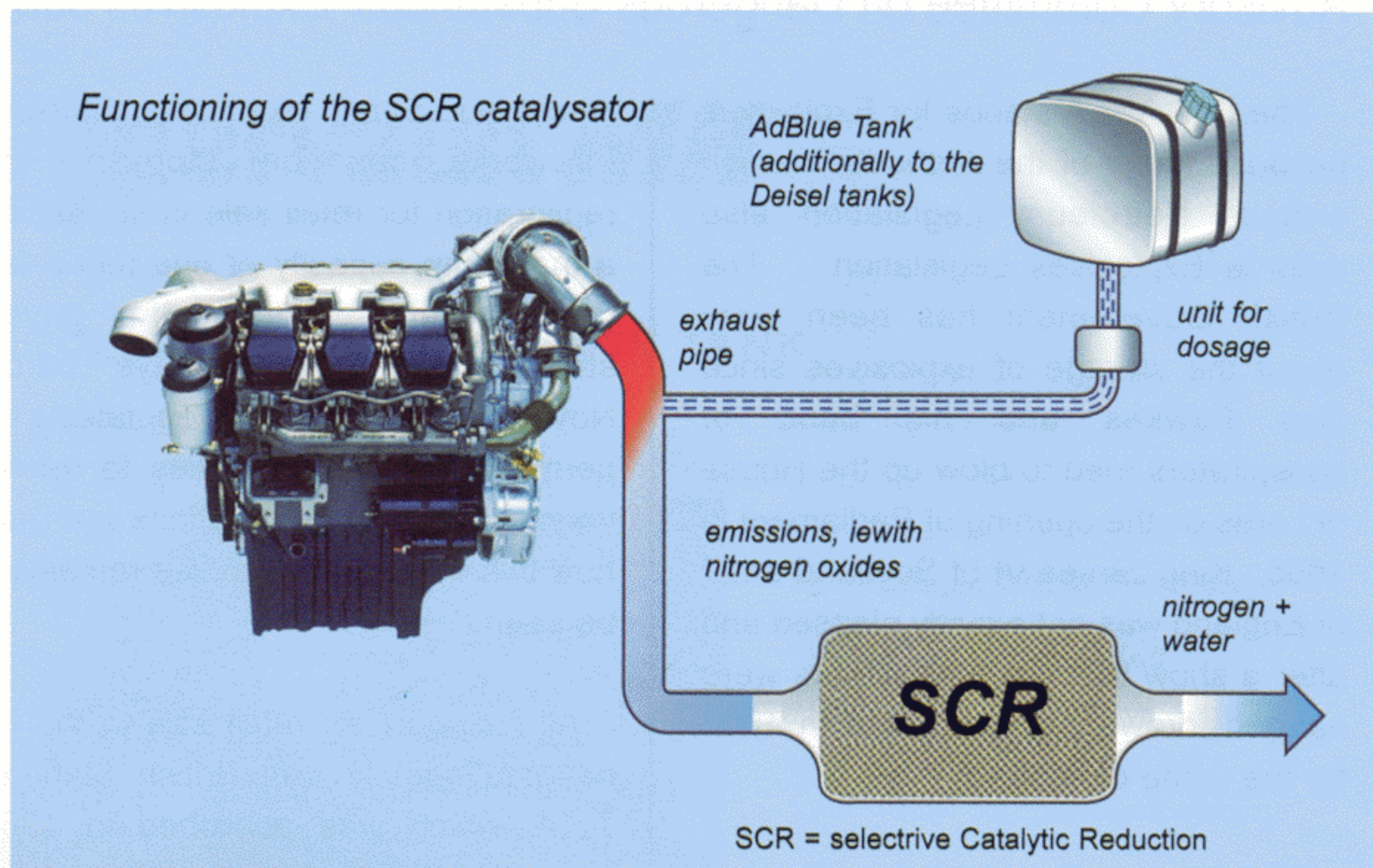


What is "AdBlue?"

By Anton Martiniussen, Elaflex Ltd

AdBlue is a aqueous non toxic urea solution to DIN 700 70 and contributes to reduce exhaust emission including NOx by injection into SCR's (Selective Catalytic Reduction) systems on Heavy Duty Diesel engines. With this new technology the EURO 4 and EURO 5 emissions regulations which come into effect in 2005 and 2008 are fulfilled. AdBlue is stored in a separate tank on the truck. The usage ratio is about 5 % of the Diesel consumption. For the fleet operator it is a question of economics to fit the necessary equipment. Vehicles with AdBlue systems show increased power output and reduced Diesel consumption. In some countries there will be fiscal incentives for cleaner vehicles.



magnetic field. A flexible and durable Elaflex hose assembly with fittings and seals suitable for AdBlue has been designed for handling the medium. Refuelling with AdBlue is only possible when a fixed magnetic field within the filler neck opens the magnet switch in the spout. Misfuelling into petrol or Diesel tanks is therefore made impossible. Like wise it is not possible to fill AdBlue tanks with fuel as the petrol and Diesel spouts will not fit into the ELAFIX adapter.

Note: AdBlue freezes at below - 7°C or lower in some instances. This must be considered when constructing and operating the dispenser.

For further information please call ELAFLEX Ltd sales department. 01992 452 950 fax 01992 452911 email sales@elaflex.co.uk or mobile direct 07831 595620

Europe is preparing for AdBlue

The first serial production vehicles with SCR will be on the roads in early 2005. Development of a Europe wide filling infrastructure is progressing. Small and mobile dispensing facilities are available for fleet refuelling. Major oil companies will be providing AdBlue on their forecourts next to their high speed dispenser. Refuelling equipment needs to comply with agreed specifications to avoid misfuellings.

AdBlue Equipment - this is how it works

ELAFLEX, have worked with the industry and have designed and developed refuelling equipment consisting of a ZVA AdBlue automatic nozzle. The nozzle is based on the standard ZVA Slimline forecourt nozzle and has a magnet switch in the nozzle spout, which opens by an external

magnetic field. The blue "ELAFIX" magnet adapter is fitted in the filler neck of the AdBlue tank and provides the

