

What is AdBlue?

AdBlue is a water based chemical solution that is required in some new trucks and buses to destroy harmful pollutants in exhaust gases. AdBlue is manufactured from urea dissolved in pure water. It is clear and odourless and is not known to be poisonous or hazardous. Companies who are refuelling their vehicles on site privately will need to invest in AdBlue storage and refuelling equipment as the number of AdBlue equipped vehicles increases.

How is AdBlue used?

AdBlue is used by new pollution control technology called Selective Catalytic Reduction or SCR, which will be fitted to new vehicles using heavy duty diesel engines. The SCR system works by using AdBlue to react with and reduce the nitrous oxide gases (NOx) generated in diesel engines. This process takes place in the exhaust system of the vehicle.

Why is AdBlue required?

New EU laws known as Euro 4 state that NOx emissions from heavy duty diesel engines must be reduced by 30% for new models by October 2005 and for all new vehicles sold by October 2006. Further legislation known as Euro 5, to be implemented in 2008 requires a further 43% reduction in NOx emission. Truck manufacturers will be installing the SCR technology on their new vehicles to comply with this legislation.

Why does it affect me?

Most new heavy duty trucks bought after October 2005 will be fitted with an AdBlue tank which requires to be filled regularly. If you are storing diesel and filling vehicles from your own tank, you will also need to store and use AdBlue.

How much AdBlue do I need?

AdBlue consumption is approximately 5% of diesel, so for every one hundred litres of diesel, 5 litres of AdBlue is used.

How is AdBlue supplied?

1000 litre intermediate bulk containers (IBCs) will probably be the most popular initially, however as usage increases, bulk storage tanks and dispensers are more likely to become popular. This will require bulk deliveries in a similar way to how diesel is supplied currently. In either case operators will require specialist pumping equipment for dispensing.

Can I use a normal pump?

Absolutely not! Although AdBlue is not harmful, it is corrosive to many metals and requires special materials to pump it. In addition, it freezes at just -11°C which can also cause problems if you don't use the correct dispensing equipment.

What do I do now?

CONTACT CTS!

THE SOLUTION - A SUZZARA BLUE DISPENSING UNIT

The answer to your AdBlue pumping requirements is simple - Suzzara Blue. Our Suzzara Blue dispensing equipment, manufactured by Piusi, one of Europe's leading fluid handling equipment specialists, is a compact, easy to install self-contained transfer system, which includes everything you need to start pumping from day one.

- Self priming pump c/w plastic rotor and stainless steel body with a mechanical seal on the motor shaft
- K600/3 pulser meter in anodised aluminium with oval gears in acetic resin
- Remote display connected to the pulser, that can be installed as per requirements
- Delivery hose - 20mm diameter Carbopress rubber hose, 4 metres long
- Suction hose - 20mm diameter Plutone hose, 1.5 metres
- Foot valve and filter in plastic
- Hose tails in anodised aluminium
- Clamps in stainless steel to fix hose tails



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Main specifications

Feeding tension	230V/50 Hz
Power	500 watt
Flow rate	40 litres/min
Maximum delivery pressure	5 bar
Self priming height	2 metres
Meter accuracy	+/- 0.5%

Centre Tank Services is one of the UK's leading specialist distributors of oil, lubrication and fluid dispensing equipment. For full details of our comprehensive range ask for our new catalogue or ring our Sales Hotline 0121 351 4445 or Sales Free Fax: 0800 085 2984.

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