

Mann[®]
T e k

Sweden



AdBlue[®]
(DEF / AUS 32)

DDCouplings[®]
Dry Disconnect Couplings



Dry disconnect couplings for safe transfer of AdBlue® (DEF / AUS 32)

About AdBlue (DEF / AUS 32)

AdBlue® (DEF¹) is an aqueous non-toxic urea solution to ISO 22241 (DIN 70070) and contributes to reduce NOx exhaust emission by injection into SCR 's (Selective Catalytic Reduction) systems on Heavy Duty Diesel engines.

After the introduction of the new EURO 4 and EURO 5 standards the use of AdBlue® within the heavy vehicle industry is set to increase. With this new technology the EURO 5 emissions regulations are fulfilled.

Refuelling with AdBlue® urea solution (or as in the U.S, DEF - Diesel Exhaust Fluid) is not unlike standard diesel refuelling. For non-spill bulk transfer, Mann Tek recommends the use of our 70 mm (2") and 119 mm (3") range of Dry disconnect couplings in Stainless Steel according to standard NATO STANAG 3756.

Note: AdBlue freezes at below -11°C. This must be considered in the construction and operation of the dispenser. AdBlue consists of 32,5% urea and 67,5% water

DDCouplings® Dry Disconnect Couplings



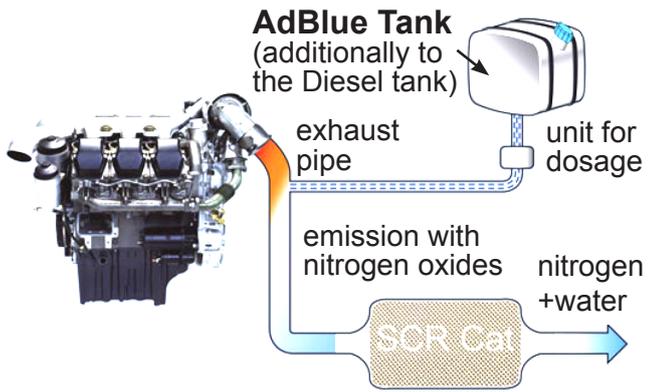
Ø70 mm (2") Hose and Tank unit in Stainless Steel, standard for IBC containers



Ø119mm (3") Hose and Tank unit in Stainless Steel, standard for ISO containers and Tank trucks



Functioning of the SCR catalysator



(SCR = selective Catalytic Reduction)

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.

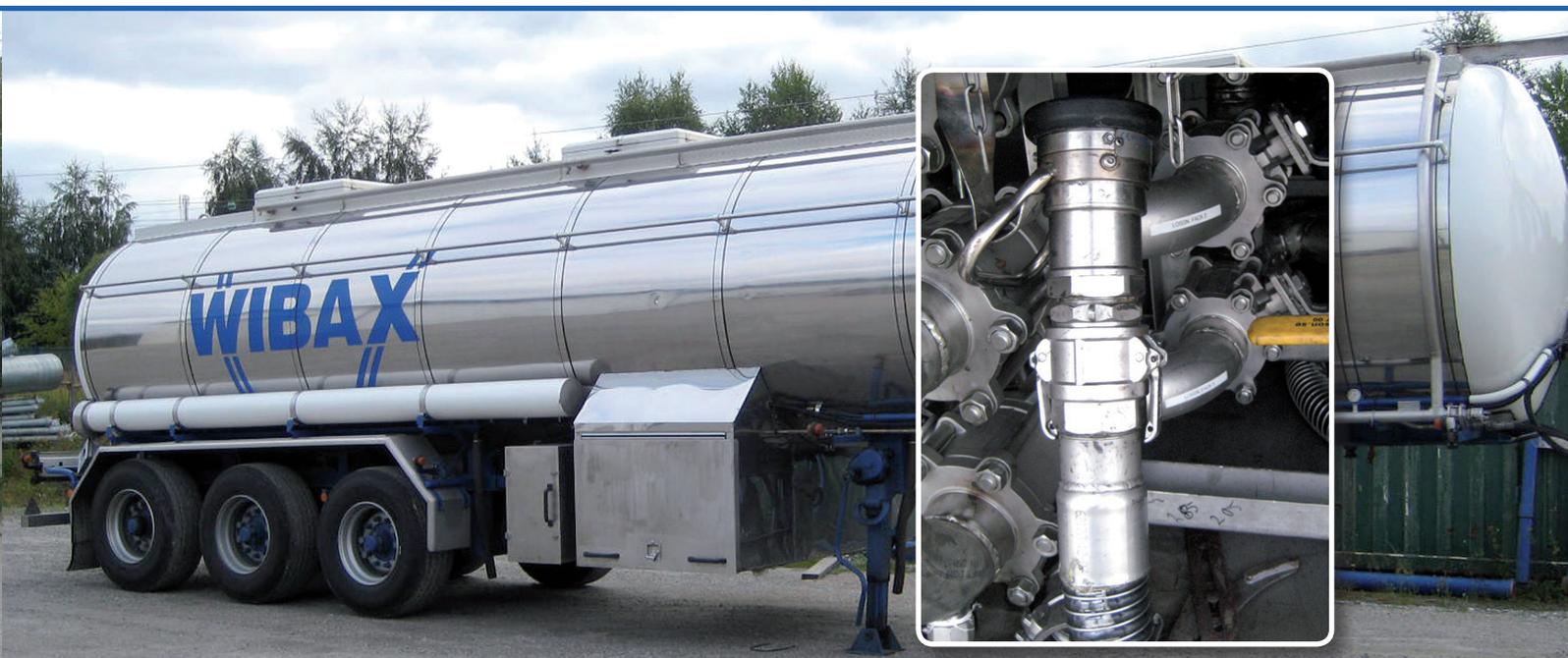
Vehicles with AdBlue systems show increased power output and reduced Diesel consumption.

In some countries there will be fiscal incentives for cleaner vehicles.

Use of Dry Disconnect Couplings



Dry Disconnect Coupling Hose unit



About Mann Tek

Mann Teknik AB is a Swedish company located in Mariestad, Sweden.

Mann Teknik AB designs, manufactures and markets products for safe and environmentally friendly handling of aggressive fluids for the chemical and petrochemical industries.

The main product is the Dry Disconnect Couplings, DDCouplings®, for spill free liquid handling. The products are marketed through independent representatives in more than 30 countries.



Company Approvals

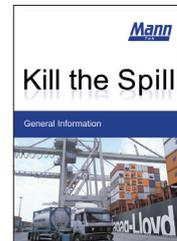
Mann Teknik AB are certified to ISO9001:2008. The products are CE-labeled. The main products are certified to PED, the European Pressure Equipment Directive and ATEX, the European directive for Equipment intended for use in Potentially Explosive Atmospheres.

The products are produced in accordance with several important standards, e.g. the NATO STANAG 3756



KilltheSpill

Product and company information



Approvals



ISO 9001, PED 97/23/EC, TDT, TÜV, Apragaz, FMV, Gost, ATEX e.t.c

Contact Mann Tek

Phone: +46 501 39 32 00
Fax: +46 501 39 32 09
Email: sales@mann-tek.com
Web site: www.mann-tek.com
Address: Mann Teknik AB
Strandvägen 16
SE-542 31 Mariestad
Sweden



Mann-Tek is a certified ISO9001-company.

Contact SMAILE-PLUSS SIA Technical centr DANTEC Phone: +371 67352561, +371 29214098 Fax: +371 67352386
Email: office@sptech.lv, info@dantec.lv Web site: www.smaile-pluss.lv Address: Tvaika 52, LV1005, Latvia