

ADBLUE TRANSFER SYSTEMS

Adblue Solutions



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 2006 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.



PLASTIC LEVER PUMPS	<i>Urea</i>	CODE
HEAVY DUTY, SELF-PRIMING PISTON PUMPS. DELIVERY: 330ML ON EACH DOWN STROKE. ANTI-DRIP NOZZLE. UPTAKE PIPE LENGTH COVERS 25LTR UP TO 205LTR DRUMS. FITTED WITH 2" BSP MALE ADAPTOR FOR STEEL DRUMS. ALL COMPONENTS MANUFACTURED FROM POLYPROPYLENE.		
Polypropylene Pump c/w Viton Seals		CTS 2020

ADBLUE DRUM TROLLEY		
Trolley 180 - 220 Kg		VT 9002

FOR FURTHER DETAILS SEE PAGE 154

ADBLUE TRANSFER SYSTEMS

Suzzara Blue Systems



THE NEW EURO 4/5 DIRECTIVE, CONCERNING THE REDUCTION OF EMISSIONS IN THE ATMOSPHERE, CAN BE MET WITH THE INSTALLATION OF AN SCR SYSTEM IN THE TRUCK. THE SYSTEM REQUIRES A SPECIAL LIQUID (A WATER/UREA MIXTURE). EACH TRUCK WILL BE FITTED WITH AN ADDITIONAL TANK CONTAINING THIS LIQUID.

AS A RESULT OF A THOROUGH ANALYSIS OF THE PROBLEMS TO DO WITH TRANSFERRING THIS LIQUID, PIUSI HAVE DEVELOPED A RELIABLE DISPENSING GROUP USING HIGHLY COMPATIBLE COMPONENTS.

THE COMPLETE GROUP HAS BEEN DESIGNED TO BE MOVED AND CONNECTED TO A NEW FULL CONTAINER.

AN ACCURATE METER WILL VISUALIZE THE QUANTITY DISPENSED FOR A CORRECT REFILLING OF THE TRUCK.

THE GROUP IS COMPLETED WITH AN AUTOMATIC NOZZLE AND A FLEXIBLE DELIVERY HOSE, FOR EASY DISPENSING OPERATIONS.

AT THE SUCTION SIDE WE HAVE TWO ACCESSORIES AVAILABLE: SUCTION HOSE WITH FOOT VALVE AND FILTER OR CDS QUICK CONNECTOR.

PERFORMANCE

- FLOW RATE 40 L/MIN
- MAX DELIVERY PRESSURE 5 BAR
- SELF-PRIMING HEIGHT UP TO 2 METRES
- METER ACCURACY +/- 1%

CONSTRUCTION FEATURES

- SELF-PRIMING PUMP
- INOX METER (PULSE OUTPUT VERSION AVAILABLE)
- FLEXIBLE DELIVERY HOSE, Ø 20MM, 4M LONG
- HOSE TAILS WITH CLAMPS
- AUTOMATIC NOZZLE

AVAILABLE

- STEEL SUPPORT PLATE
- ON/OFF SWITCH



40 LITRES / MIN

SUCTION CONFIGURATION

- SUCTION HOSE 1.5M LONG, Ø 20 MM WITH FOOT VALVE AND FILTER
- CDS QUICK CONNECTOR WITH 0.5M SUCTION HOSE

TECHNICAL INFORMATION **CODE**

Description	Pump		Motor		Meter	Auto Nozzle	CDS Connector	Base	On-Off Switch	Weight Kg	CODE
	Flow Rate L/min	Tension V Hz	Rpm	Power Watt							
Suzzara Blue	40	230 50	2900	550	•	•				15	F00201000
Suzzara Blue c/w Base Shuetz Tank	40	230 50	2900	550	•	•	•	•	•	20	F00201050
Suzzara Blue c/w Base Mauser Tank	40	230 50	2900	550	•	•	•	•	•	21	F00201070
Kit Suction Hose EPDM 1.5m c/w Foot Valve											F14146000
Kit Suction Hose EPDM 1m c/w CDS Connector											F14147000
Kit Base c/w Drip Collector for Mauser IBC Tank											F14148000
Kit Base c/w Drip Collector for Schuetz IBC Tank											F14332000
Kit Switch c/w Cable											F14149000
S/S Auto Nozzle Swivel Tail											F00619030
ZVA Auto Nozzle Swivel Tail											F00619040
Manual Nozzle Fixed Tail											F14280000