

AdBlue® Pumps and Dispensing Kits for diesel-engined commercial vehicles

EURO 4 and 5

The emission control directives, laid down EU-wide with the EURO 4 emissions standard and coming into force with EURO 5 in autumn 2008, require a noticeable reduction of nitrogen oxide emission for diesel engines of commercial vehicles. The technical realisation is complex: A motor retrofit is necessary to reach the required standards without affecting the efficiency of the diesel engine and without increasing the exhaust of soot particles. Most truck manufacturers decide for the SCR System.

SCR-Technology and AdBlue®

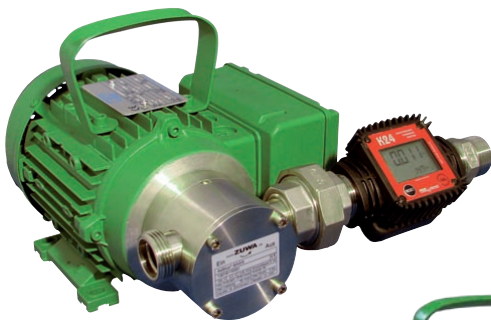
The Selective Catalytic Reduction reduces the nitrogen oxide emission with an elaborate system of exhaust gas treatment.

The vehicles are equipped with a separate tank in which the AdBlue® additive, an urea-water-solution, is stored. AdBlue® is injected into the exhaust gases and together with a catalytic converter nitrogen oxides are dissipated into harmless nitrogen and water.

Solutions by ZUWA

ZUWA has developed special pumps and dispensing kits for refuelling vehicles with AdBlue®. They are successfully tested by renowned truck manufacturers and proved satisfactory in several years of practical experience.

ZUWA AdBlue® kits fit perfectly into the SCR-System and are easy to handle, especially in regard to a frequent change of AdBlue® containers (IBCs or smaller).



Pump kit AdBlue® BASIS



Pump kit AdBlue® KOMPAKT

■ AdBlue® BASIS/KOMPAKT

- ▶ dry self-priming stainless steel pump
- ▶ flow meter (only type KOMPAKT)
- ▶ excellent suction capacity, especially when containers are frequently changed
- ▶ power supply 230 or 400 Volt



Dispensing kit AdBlue® TOP

■ Dispensing Kit AdBlue® TOP

- ▶ high capacity AdBlue® pump
- ▶ flow meter Turbinox
- ▶ 4 m delivery hose
- ▶ suction hose with foot valve and quick coupling
- ▶ automatic nozzle
- ▶ nozzle holder with drip collector
- ▶ easy to move

■ Technical Details

	AdBlue® BASIS	AdBlue® KOMPAKT	AdBlue® TOP 1	AdBlue® TOP 2
Code	81598	81595	81596	81597
Pump type	impeller pump NIROSTAR 2000-B *			centrifugal pump SUZZARA
Flow rate max.	45 L/min			40 L/min
Pressure max.	4 bar			5 bar
Power supply	230/400 Volt			230 Volt
Flow meter	K 24	TURBINOX	TURBINOX	TURBINOX
Delivery hose	X	X	✓	✓
Suction hose with quick coupling	X	X	✓	✓
Automatic nozzle	X	X	✓	✓
Steel console	X	X	✓	✓

* Impeller pump NIROSTAR 2000-B for AdBlue® is also available without flow meter and further accessories.
Code: 13218136331.



■ Flow meter TURBINOX

- ▶ high precision $\pm 1\%$
- ▶ casing polyamide
- ▶ digital display (subtotals 5-digit, totals 6-digit)
- ▶ flow rate max. 120 L/min
- ▶ operating pressure max. 20 bar
- ▶ connections 1", \varnothing 25 mm
- ▶ battery level indicator



drip collector



■ Flow meter TURBINOX

- ▶ high precision $\pm 1\%$
- ▶ easy to calibrate
- ▶ stainless steel casing
- ▶ digital display (subtotals 5-digit, totals 8-digit)
- ▶ flow rate max. 100 L/min
- ▶ operating pressure max. 30 bar
- ▶ connections 1", \varnothing 25 mm



quick coupling



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