

Wisdom[®] Systems



Automotive SCR Urea Packaging, Storage and Dispensing

In order to meet the Euro IV & Euro V regulations to govern the emission of exhaust gases, commercial vehicle and engine manufacturers have implemented **Selective Catalytic Reduction technology (SCR)**. This uses a 32.5% **Urea solution (Trade marked by the V.D.A. as Adblue)**. This is injected into the exhaust in the presence of a fixed catalyst

Wisdom Systems supply the highest security and most robust equipment to maintain SCR-Urea quality requirements, we match and exceed international standards.

Security & Product integrity



IBC Dispense Equipment

Product features

- ◆ Equipment is manufactured to meet the **CEFIC guidelines for Adblue storage and dispense AUS 32 DIN 70070 v2.0.**
- ◆ **Micro Matic Drum Valve and Coupler**, the leading edge technology for clean-dry break, secure connections and robust performance.
- ◆ **HandiTran** – Manually operated pump and measuring system, connected with Micro Matic DV coupler to attach to the Drum valve extractor fitted to the 'Greenox' containers.
- ◆ **Junior Pump**, 220v AC and 12 or 24v DC motor options, connected with Micro Matic DV coupler to attach to the Drum valve extractor fitted to the container. With or without metering.
- ◆ **Senior Pump**, 220v AC or 12v DC motor options, connected with Micro Matic DV coupler to attach to the Drum valve extractor fitted to the container. With or without metering. Pedestal version available with fuel management and retail out put.
- ◆ **Storage Tanks and Dispense Systems** twin walled fully banded polyethylene tanks in **sizes from 1400 L up to 10,000 L**
- ◆ **Plastic dispense nozzle** with a **trigger valve action** and an **anti drip valve** to reduce losses and spillages and prevents crystallisation.

Key benefits

- ◆ **Security and protection of product integrity**, through safe closed transfer system and use of compatible materials.
- ◆ **Micro Matic Drum Valve and Coupler**: robust and secure. **Industry-proven and tamper-evident** it prevents accidental **cross contamination and filling with counterfeit products.**
- ◆ **Pump and transfer equipment** made from compatible materials.
- ◆ **Drip free nozzle**, robust chassis and digital electronic metering.
- ◆ **Storage systems** made from **twin-wall polyethylene**, equipped with **heating and cooling systems, remote level sensing, auto reordering option, delivered ready-to-use.**
- ◆ **Cost-efficient solution, durable and reusable** for many years
- ◆ **Product metering** and display — Connection to existing fuel management systems available as an option



Micro Matic Drum Valve and dry-break Coupler for Drum and IBC

NEW!! Financing options — Initial costs a barrier? No problem. We provide very **convenient financing options giving you full control**, low cost access to the best and safest equipment to maintain maximum independence from Adblue suppliers or link it in to a payment per litre used.

If you would like further details of our products and services please contact **Wisdom Systems** at Wisd1@aol.com or WisdomService@aol.com

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Equipment technical features



Security & Product integrity



- ◆ **HandiTran** – Manually operated pump and measuring systems
2 options

‘A’ Simple Adblue transfer pump—no metering.

‘B’ 1 litre per stroke CL 35— Accurate measurement and recording

Micro Matic DV coupler to attach to the Drum valve extractor fitted to the container

Outlet hose, Plastic trigger nozzle and anti drip nozzle valve

- ◆ **Junior Pump ‘C’**

220v AC and 12 or 24v DC motor options

Positive displacement diaphragm pump

Self priming from dry 17 litre/min. flow

Automatic ON / OFF switching

Flow Meter accurate to 0.5%

Micro Matic DV coupler to attach to the Drum valve extractor fitted to the container

Outlet hose, Plastic trigger nozzle and anti drip nozzle valve

Sturdy steel back plate and shower proof cover with detachable hooks, for wall mounting or hanging on the container, powder coated

- ◆ **Senior Pump (Not illustrated) ‘D’**

220v AC or 12v DC motor options

40 litre / min. performance

Positive displacement diaphragm pump

Self priming from dry

Automatic ‘neutral’ operation when outlet closed

Flow Meter accurate to 0.5%

Micro Matic DV coupler to attach to the Drum valve extractor fitted to the container

Outlet hose, Plastic trigger nozzle and anti drip nozzle valve

- ◆ **Storage Tanks and Dispense Systems ‘E’**

Twin walled bunded polyethylene tanks in sizes from 1400 Litres to 10,000 Litres

All Storage tanks have the following specification

- Overfill protection system
- Bund leakage sensor
- Level Monitoring1 – Tank contents gauge with remote read out
- Level Monitoring2 – Optional Tank Contents plus Automatic Re Ordering
- Stainless steel fittings
- Inner tank in non pigmented polyethylene
- Outer tank in Blue (shades available) plus branding options
- Tank contents and dispense equipment temperature control (heating and ventilation)
- Insulated from external heating and chilling
- 2" inlet port with dry break coupling to prevent cross filling and contamination
- Anti evaporation tank breather with over pressure override
- Filtered air inlet
- Integral or remote dispense pump
- Bulk head light
- Electrical control box and integral safety trips

- ◆ **Dispense Nozzles**

Plastic dispense nozzle with a trigger valve action and automatic Wisdom anti drip valve to reduce losses and spillages and prevents crystallisation of Adblue in the nozzle outlet.

Options

Alternative dispense nozzles are available with auto shut off and magnetic valve features. These nozzles are formed from a stainless steel body and have been fully tested by an independent test laboratory in Germany.