

Delphin by Piusi

The revolutionary system for dispensing AdBlue[®] for modern diesel engine cars, designed to prevent spills and contamination of the liquid

Autopromotec, Bologna 20 May 2015 – Piusi SpA, the leading Italian company on the international market for fuel, lubricants and liquids handling equipment will be presenting its innovative Delphin portable system for dispensing AdBlue[®] to modern diesel-engine cars, at Autopromotec 2015 (Hall 36, Stand B55). In developing Delphin, Piusi confirms its corporate mission to create products that combine innovative solutions with ease of use to support industry professionals in their routine vehicle maintenance procedures.

An aqueous urea mixture, AdBlue[®] is today the main solution adopted by the big name diesel automakers throughout the world to keep exhaust emissions within increasingly restrictive normative limits. Injected into the exhaust gas stream, the urea bonds with the nitrogen oxides and transforms them into harmless nitrogen gas and water vapour.

Delphin, the system

The patented Delphin system is composed of a practical and easy-to-handle cart with a 200 litre drum (enough for around 10 services) containing the AdBlue[®]; a 230V diaphragm pump; an upper 20 litre tank from which the liquid is supplied to the car; a hose and a valve to make the connection with the vehicle tank. All components of the Delphin system are designed and made in Italy, strictly in line with Piusi's hallmark approach.

Delphin, how it works

Through the diaphragm pump (also made by Piusi), the AdBlue[®] is transferred from the drum to the upper tank, where it is gravity fed to the vehicle tank by way of a pair of valves and a dispenser hose. At the end of the filling procedure the electric pump cuts in to return all excess liquid to the upper tank. Once the vehicle tank has been filled, the operator can check the quantity effectively dispensed by reading the level indicator on the upper tank. Delphin's revolutionary nature is due to the fact that it's a completely closed system: this eliminates any risk of the liquid becoming contaminated with air or other external agents, thereby protecting the quality of the AdBlue[®] and guaranteeing longevity of the vehicle's catalytic converter.

Delphin, the benefits

The use of a 200 litre drum makes for the maximum practicality, with economic benefits when compared to the smaller containers generally used for this purpose, while simultaneously solving the problem of discarding empty containers, a procedure that

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becomes more difficult as the aqueous urea solution tends to crystallise, resulting in the need for specific disposal procedures. Apart from the economic savings, Delphin also ensures filling times of just a few minutes, and the whole process can be performed without the constant presence of the operator once the procedure has been started. In addition, Delphin ensures the car and the surrounding area are kept completely clean because it prevents liquid spills or the release of fumes into the atmosphere, thus enhancing the professional image of the repair shop. Finally, the system prevents the AdBlue® from coming into contact with the air, which would otherwise cause the liquid to crystallise, forming solid particles that would gravely damage the vehicle's injector system.

About Piusi

Piusi SpA is a well-established company with more than 60 years of experience on the Italian and international markets for professional equipment for transfer, delivery, and metering of lubricants, fuels and liquids. Innovation, quality and the utmost professional integrity are the hallmarks of a company that is also considered to be an outstanding example of the Made in Italy approach, since all activities, from R&D to production, are 100% performed inside the Italian borders. Piusi pumps, flow meters, software, dispensing equipment and accessories (hose reels, level gauges, etc.) are produced for a very broad range of application sectors, where they are renowned for their practicality, high performance and exceptional reliability. Also Piusi's products for the delivery of UREA (AdBlue®, DEF, ARLA) and gasoline have recently been attracting rising levels of attention from the professional market.

Piusi is based in Suzzara (Mantova) where it currently operates with a workforce of more than 200 employees, operating in the sales, R&D, manufacturing and logistics areas. Piusi products are sold in more than 120 countries worldwide thanks to an extensive network of dealers and a branch that was set up in 2009 in Florida (USA), from where it serves customers in North and Central America.

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