

Terminal To Nozzle – ELAFLEX trade show report of UNITI expo 2014

Elaflex provides nozzles, hoses, couplings and safety breaks for the handling of fuels. Under the motto 'Terminal To Nozzle', the company presented its entire product spectrum for the refinery, depot, tank truck and petrol station – with a focus on Petrol, AdBlue and LPG.

'Petrol' Highlights

Unified Valve Assembly for ZVA 2 petrol station nozzles. This field tested component now is standard for all ZVA 2 types. It combines the previously known low lever force with a high flow rate up to 80 l/min, hence the H (HiFlo) type has been discontinued.

Enhanced Low Temperature ZVA nozzles and accessories. Due to the use of special Polyurethane seals, LT-versions of ZVA Slimline 2 / 2 GR nozzles are now suitable for use at ambient temperatures of -55° C.

Slimline hoses with new embossed marking for improved readability.

New **ZAF COAX adapters** (splitters for petrol/vapour at the dispenser) and corresponding COAX hose fittings with lockable swivel nut help to align and fix the hose on the dispenser side. These economical new products will be available end of this year.

Combined Sight Glasses with Safety Breaks. Lightweight and compact, these products are now ready for production: SG-PSB (dispenser side), SG-SSB (for ZVA 2), SG-CSB (for ZVA 2 GR).

Lightweight aluminum hose tails now as standard for **3" and 4" LTX road tanker hoses**, making LTX hose assemblies the premium choice for gravity discharge to the underground storage tank. Long lasting, low overall weight, good flowrate due to smooth inner bore, good flexibility, suitable for ASS/QSS systems.

ZVF 50 – the new overwing HiFlo aviation refuelling nozzle was presented at the InterAirport show. First serial production nozzles are available from August 2014.



'AdBlue' Highlights

The **ZVA AdBlue LV** nozzle for urea solution refilling of Diesel passenger cars and light commercial vehicles received a great deal of interest at the Elaflex stand. The new type with its misfuelling proof spout for the new ISO 22241-5 interface and its customary handling is undergoing field tests at various forecourts in Europe.

Slimline 16 AdBlue, a dedicated AdBlue (DEF / urea solution) dispenser hose with blue cover. It will be in serial production 4th quarter 2014, samples available now.

UTL 38 reeling hose is the new size hose for AdBlue road tankers. It takes up less space and allows suitable flow rates for those 1000-4000 litres sized AdBlue tanks at petrol stations. All Elaflex UTL hoses fulfill the ISO standard requirements regarding AdBlue medium quality - the purity of urea solution is essential.

'LPG' Highlights

Nozzle Boots NB-LPG and NB-GG. Mounted to the dispenser, these new boots provide an optimal fit for our "ZVG 2" and "GasGuard" nozzle ranges. The boots are suitable for the attachment of a reed switch.

LPG 16 dispenser hoses with orange cover are now available for test installations. The colour serves for a better product differentiation. Like Slimline hoses from new production, all LPG 16 now bear an embossed marking for better readability.

GasGuard improvements for forecourt nozzles:

- All GG nozzles are now available with an optional **magnet for reed switch**, and with optional **Splashguard**.
- **GG ACME 1 $\frac{3}{4}$ "** nozzle threads now bear a **tapered coupler with a longer guide**, facilitating the coupling process.
- New version of **GG30 Bayo**: the bayonet type coupling is in use in some countries, like the UK and the Netherlands. A new improved type with an improved nose is currently being introduced.
- **GG20 H**: this hybrid version of the standard GG20 ACME with reduced lever force is used in countries where latching is prohibited. Available now.



New accessories for the GG10 HiFlo nozzle.
The GG10 with a flow rate up to 380 l/min is mainly used on board of road tankers for the commercial filling of L. P. Gas tanks. Recently, new accessories have been introduced:

GG11 back check valve with pressure relief, parking adapter with interlock for road tankers, a 45° angle swivel and dust plug for coupling protection.

What else?

Elaflex' partner Mann Tek presented their range of **Dry Disconnect Couplings and Safety Break-away couplings** for petroleum based products, AdBlue, LPG and (new) units for cryogenic media like liquefied natural gas **LNG**.

Elaflex also showed their **new website which will be launched end of June**: more content, improved search functions, adoption to all screen formats. Among other, the new homepage will contain the **'BadgeSelector'** online tool to quickly find nozzle product badges (slogan badges bearing the fuel name).

On the current, old style website the new **Hose Assembly Configurator** is already working – it helps to select the required hose and coupling combination for all Elaflex hose assemblies.

