

Innovation for a safe and environmental-friendly future – with ELAFLEX refuelling technology

On the pulse of time, equipped for the mobility of today and tomorrow.

Elaflex has been involved in the handling of alternative and renewable fuels for decades. We supply refuelling products for LPG, CNG, LNG, cryogenic or compressed Hydrogen as well as Biodiesel and Petrol with Ethanol or Methanol blends: 'from Terminal to Nozzle'.

For an environmentally friendly future, a wide range of fuels and new production methods have become more important. A technology-focused mobility and approach plays a key role at UNITI expo 2022 (17 - 19 May) in Stuttgart.

Already addressing today's challenges and ready for tomorrow, we will present these new product solutions:

The LNG Refuelling System consists of the N-LNG nozzle, VC-LNG vent coupling, LNG hose assemblies and SB-LNG safety breaks. They enable the safe and fast refuelling of heavy vehicles (trucks and busses) for petrol stations. For terminals and ship bunkering, we offer our bespoke DCC Dry Cryogenic Couplings and CBC breakaway couplings in sizes up to 10".

For H2 Hydrogen in the low-pressure range, the hose type H2 and expansion joint ERV-H2+ have been developed. They are characterised by high resistance and very low permeation for the transfer and processing of hydrogen.

In the range of compressed H2 Hydrogen, ball and check valves as well as quick couplers are now available.

For the refuelling of trucks with cryogenic Liquid Hydrogen LH2, we offer the N-LH2 nozzle. LH2 will be used in the heavy-duty transport sector by the leading truck manufacturer.

The well-known CNG Dispensing System is supplemented by our SB-CNG safety breaks and CNG hose assemblies.

Liquefied Petroleum Gas (LPG) can also be mixed with DME, a liquid made of renewable raw materials. The new nozzle type ZVG 2 DME can be used with our EFL 6 hose assembly on the LPG dispenser. Another addition is the ZVG 2 K nozzle for J15 fill point connections (Japan and Korea).

The AdBlue® HEAT System is used to reliably heat AdBlue® within a dispensing hose assembly. It keeps the urea solution liquid even at ambient temperatures -40 °C. For heating within the hose assembly, the new Slimline 16 AdBlue HEAT hose type has to be installed together with the Electronic Heating Control E-H 300 U.

As a leading system supplier of customised Hose Reels equipped with hose and coupling/nozzle, we are the only company who also provide Hose Reels with an integrated vapour recovery system.

