



### ZVA SLIMLINE 2

It is time for a new generation ZVA nozzle: under the name 'ZVA Slimline 2' the innovative packed nozzle for petrol stations will be available end of this year from pilot production for field tests. The vapour recovery version will follow in 2007.

Both offer ease of handling and a comfortable, cleaner refuelling experience.

For information material please contact ELAFLEX.

### ZVG 2 FOR AUTOGAS / L.P. GAS

At Automechanika 2006 ELAFLEX presents the new ZVG 2 autogas nozzle with improved stainless steel ACME connector. The flexible modular system offers connections such as 'dish coupling' (Italy), 'claws' (East Europe) and 'Euro' connection. Combined with our LPG 16 plasticiser free hose and the new ARK 19 safety break this represents a comprehensive package for OEM and users.

Information material is under preparation.

### STAINLESS STEEL CAP FOR SLIMLINE SPOUTS

During recent years, nozzle spouts have been subjected to ever increasing wear and tear. One major reason for this is some spring-loaded filler flaps have to be pushed open by the spout. Spout tips can become deformed by this.

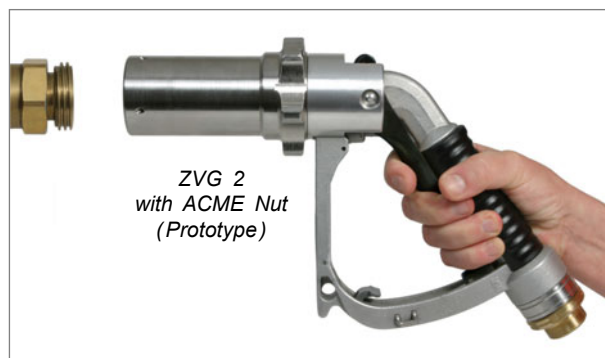
All current production ZVA Slimline standard spouts are from now supplied with a stainless steel cap as standard. The effect is a linear, calm fuel flow and increased spout service life. The spouts are marked with 'made in Germany'. Part numbers remain unchanged.

### NEW LOOK FOR ZVA SLIMLINE

For your marketing we offer a wide range of coloured nozzle accessories. With sufficient quantities and technical feasibility, customized designs can be realised:

At BP / ARAL petrol stations, sharp eyed observers will have already seen the pictured hand guard for 'Ultimate' products. The handle has been developed for an international retrofitting programme, together with chrome-plated product badges EK 145. These are exclusive designs.

There are other possibilities for a new nozzle look, such as the Comfigrip in special colours, or new product badges with enlarged printing surface.



## NEW - THE "ODOURLESS" PUMP HOSE

Petrol pump hoses filled with gasoline smell of gasoline. That's a fact. For the primary refuelling of new vehicles in car factories some manufacturers have demanded a hose which is resistant to diffusion and 'odourless'.

At the ACHEMA exhibition our new FLUORline hose was presented - see Information May 2006. Originally developed for the refuelling of highly pure 'AdBlue' urea solution, the FLUORline hose is also suitable for this application.

The fluoropolymer lining serves as a diffusion barrier and prevents gasoline smell. Available ex stock in sizes EFL 16 and EFL 21 (for COAX).

## AdBlue REFUELLING

For refuelling of heavy duty vehicles (SCR) with AdBlue urea solution we offer nozzles, hoses, and the magnet adapter ELAFIX 40 for the AdBlue tank filler neck. Misfuelling is prevented by the magnet adapter in conjunction with the ZVA AdBlue nozzle. For details please see Information 4.04.

Following customer demands, a stainless steel swivel 'EA 075 AdBlue' is now also available.

To fulfil the latest demands for maximum liquid purity, we now offer the 'ZVA AdBlue SS' nozzle with a stainless steel body in combination with the FLUORline dispensing pump hose.

## ELAFLEX SLIMLINE PUMP HOSES

Changes from production date 9.06 :

Slimline SL 19 will be manufactured with the same smooth MPD rubber of Hypalon (CSM) as our other MPD hoses. - New part number: SL 19 MPD.

For applications on MPD dispensers without vapour recovery, Slimline SL 21 MPD will get a hose wall of 5 mm to improve kinking resistance under extreme stress. - Please order the updated catalogue page 111.

## EUROPEAN STANDARDS FOR PUMP HOSES

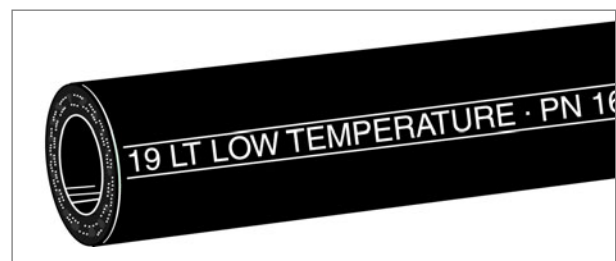
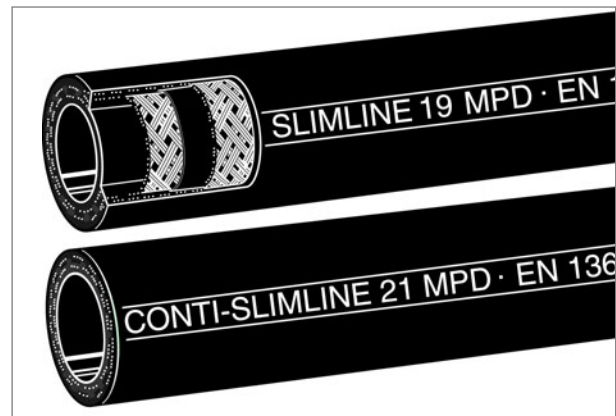
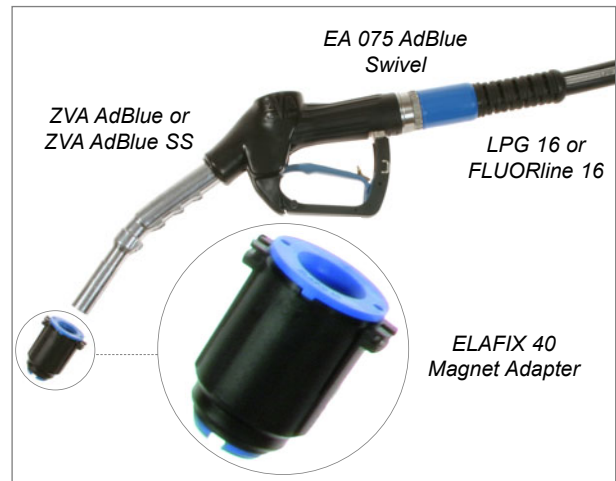
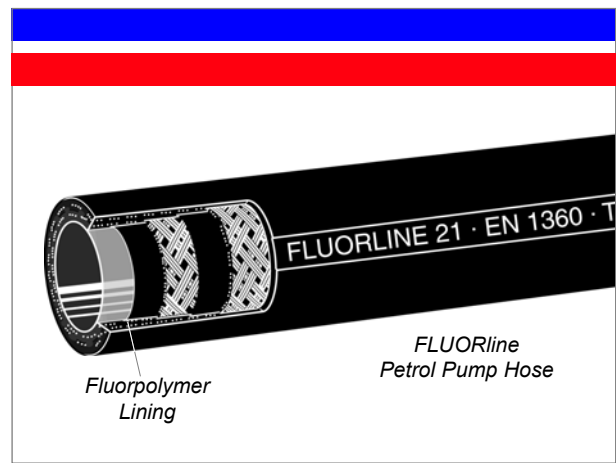
The new EN 1360 and EN 13483 hose standards now also regulate LT (Low Temperature) hoses.

ELAFLEX "LT" hoses (flexible down to -40° C) have been supplied to extreme low temperature regions for decades. All our petrol pump hoses meet the current EN Standards.

## SWIVEL FOR COAX HOSE ASSEMBLIES

In recent years, the working pressure of many dispenser types has been increased - sometimes even doubled. The result, the swivel becomes sluggish and the COAX hose assemblies do not hang straight and neat anymore.

To solve the problem, the nozzle end COAX swivel has been modified, so that even with higher pressures up to 3,5 bar the well liked easy rotating action is ensured. - Available without price changes from approximately November 2006.



## SAFE AND CLEAN - SAFETY BREAKS

The new brochure "Safety Breaks" gives an overview on the complete ELAFLEX safety break family. What they all have in common: reusability, reliability and good flow rates.

We would like to highlight the following products :

- **PSB Pump Break** for High Hose dispensers. Slim design, connects to the dispenser outlet - without the ugly and expensive pigtail hose. See also Information 3.05.
- **SSB 25** for ZVA 25, since 2004 reliably in use. This type replaces the previous solution of SSB 16 with adapter. Competitive edge: light weight, economic, reusable, high flowrate.
- **ARK 19 Mod. 2** for Autogas hoses, made of corrosion resistant & spark-preventing material. After separation it can be reconnected under pressure without purging the system. The new break sleeve **BS 19** of PU protects the coupling against external damage.

### 'BREAK SLEEVES' OF PU

Coloured protective sleeves for our break-aways are now made of polyurethane instead of soft PVC.

Advantages: improved resistance to discoloration and hardening from fuels.

The new sleeves are currently available for all safety breaks DN 16, and for ARK 19. They are distinguishable from the old versions by the part number 'BS'.

### 'COLOUR SLEEVES' OF PU

The short polyurethane colour sleeves CS 16 and CS 21 for hose end fittings were introduced many years ago and have performed well in the field.

The production of the old longer colour sleeves ST of soft PVC (see page 211) is now discontinued. If these old types are required for service contracting, please contact ELAFLEX.

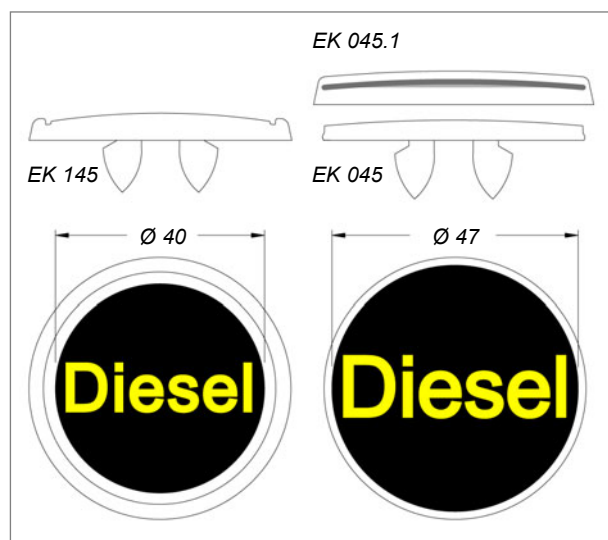
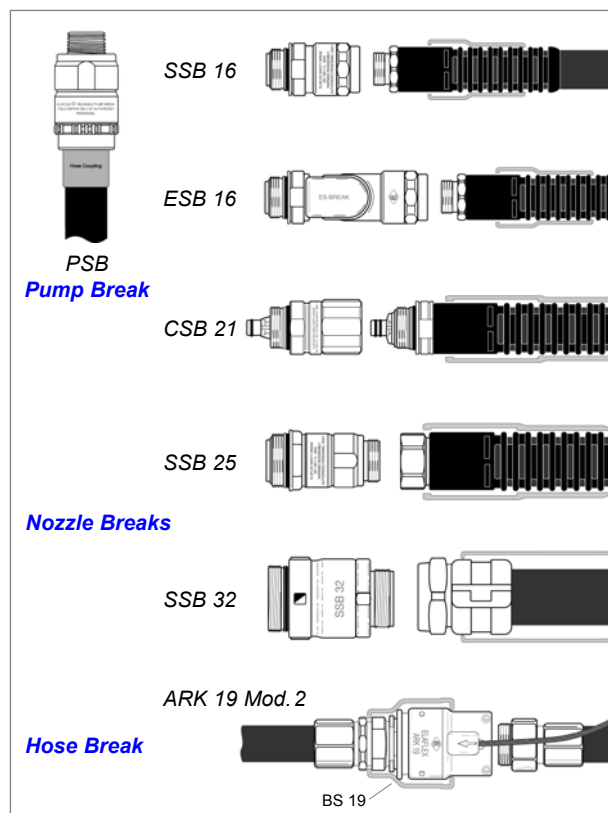
### NEW PRODUCT BADGE SYSTEM WITH CAP

The system consists of a white basic badge (EK 045), a printed insert, and a transparent cap (EK 045.1). Instead of printing the insert, the basic badge can also be printed with the familiar designs. The printing surface is 30% larger.

The cap serves as weather protection and permits a flexible and fast production of inserts printed by yourself.

The enlarged printing surface allows for a clearer GASOLINE or DIESEL product identification. This way, the new product badge system can help to reduce the number of misfuellings. - For further information please contact ELAFLEX.

The regular product badges EK 145 (catalogue page 512a) are still available.



### MARKING OF HOSE ASSEMBLIES

For some time, an adhesive label has been attached to the pump side of COAX hose assemblies with information on hose type, length and production date.

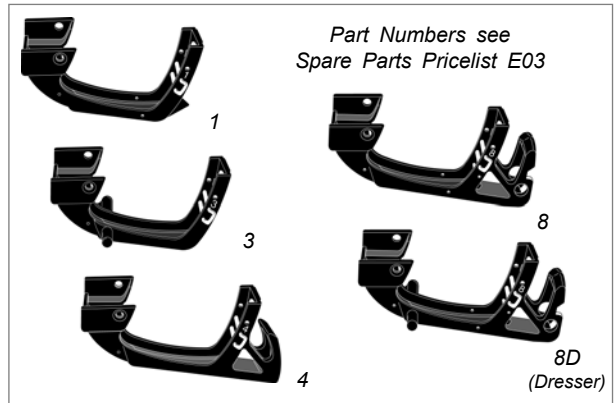
This identification is now also being introduced for factory assembled Slimline and Contitan (Glossline) hose assemblies.



### ZVA GUARDS OF BLACK POLYAMIDE

The step-by-step changeover of our ZVA guards from Aluminium to reinforced polyamide is proceeding and with good field experience. Now guard no's. 1, 3, 4, 8 and 8D are made in this high quality material.

Apart from weight saving and excellent resistance to wear and tear, the polyamide guards offer improved protection against scratching of vehicles. They also make it possible to fit magnets for use with reed switches on the dispenser. Further custom made guard designs are possible at customer request.



### GASOLINE IN THE DIESEL TANK!

Mistakes can happen. Through lack of attention the smaller diameter spout for unleaded gasoline can easily be inserted into diesel filler necks. There have been numerous suggestions on how to avoid these misfuellings, but the practicality and costs for changing the nozzle and filler neck design is prohibitive.

According to our experience, a clearer marking of the fuel grade at the dispenser **and** on the nozzle is necessary to avoid trouble for the motorist. When 'shaking hands' with the nozzle, the message should be of the fuel grade only, and not advertisements.



### SPLASH GUARD ALSO FOR GR + DRIP STOP

The Splash Guard (catalogue page 520) is used to protect against blowbacks or spitbacks in countries with a high share of vehicles with poorly vented filler necks.

Now the Splash Guards are also available for ZVA 200 GR and ZVA Slimline with DRIP STOP spout. For colours and prices please contact our sales.



### 'NR' HOSE FITTINGS

Alongside the reusable ferrule type hose fittings for standard petrol pump hoses we now also offer non-reusable 'NR' fittings. This type is mandatory in some countries. Please note, ELAFLEX NR hose fittings are not supplied separately as spares but only mounted for complete hose assemblies.

EN 1360 states for the production of hose assemblies, that both reusable and NR types may be used. For the original manufacturing of new dispensers ELAFLEX recommends the NR type. If both assembly and supply are from one source, warranty issues may be handled easily and efficiently.

