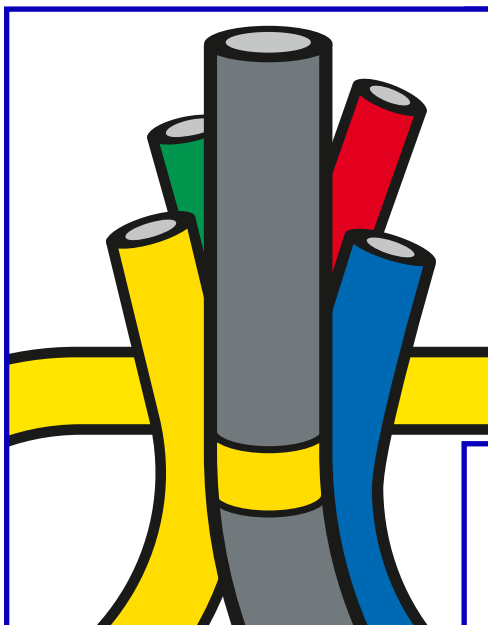
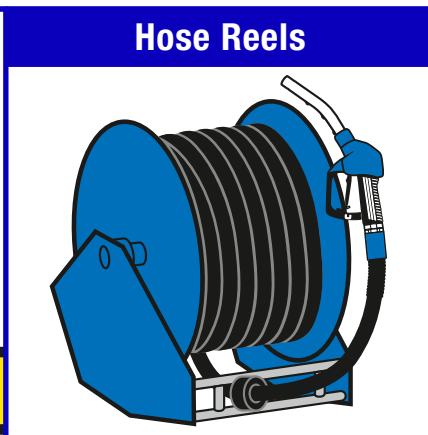


Product Guide

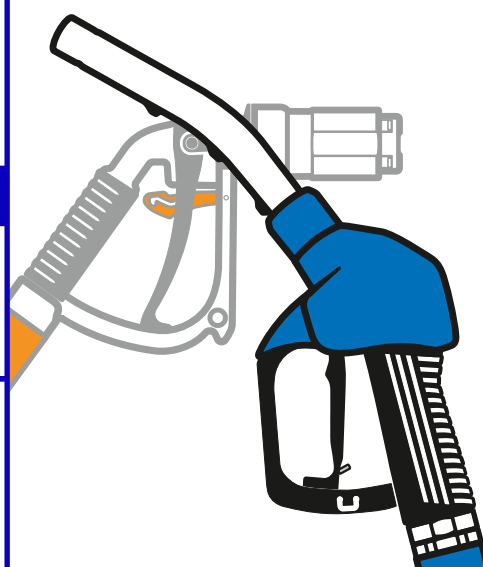
Hoses • Couplings • Expansion Joints • Nozzles • Reels



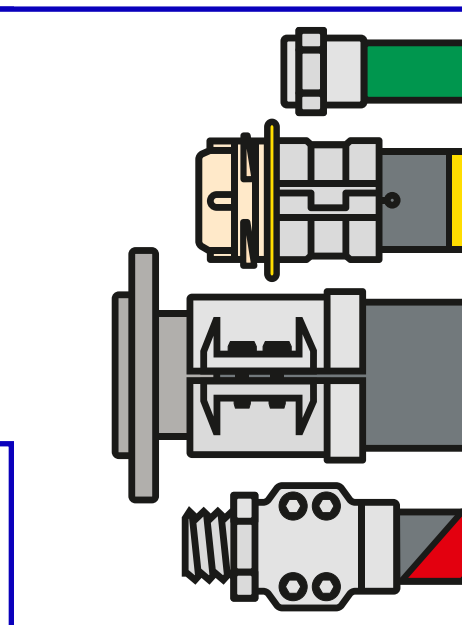
Petrol + Chemical Hoses



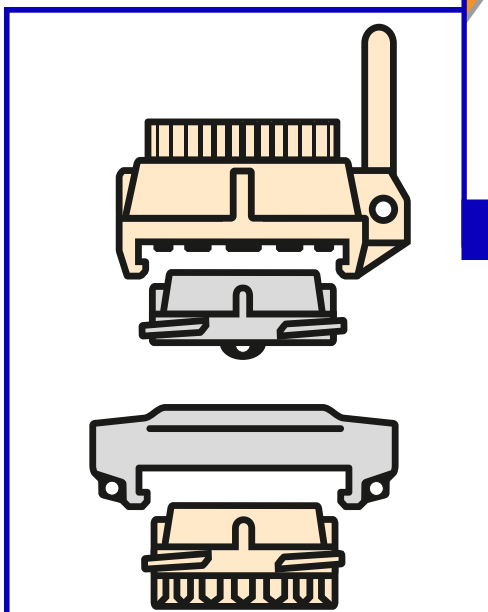
Hose Reels



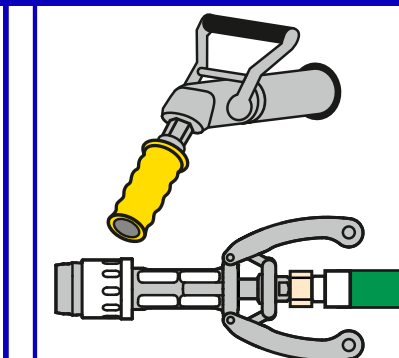
Nozzles + Accessories



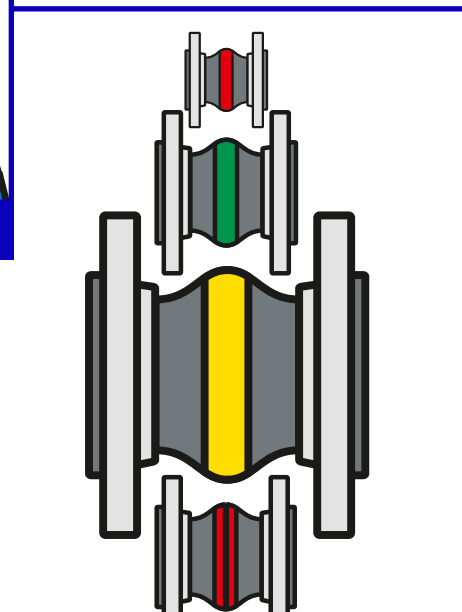
Hose Couplings



Tank + Pipe Couplings



Couplings for Gases



Rubber Expansion Joints

Petrol + Chemical Hoses

Quality hoses by ELAFLEX / ContiTech, setting the standards. Available as reel, cut lengths or assemblies.

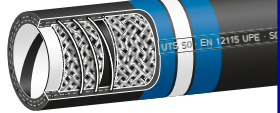
Aircraft Refuelling Hoses (EN ISO 1825, EI 1529)

'YELLOW BAND', types HD-C, VHD, PHD, TW-E Suitable for all aviation fuels. Optional with NEON bands for improved visibility. Specified by all major oil companies. Lining NBR. Max. working pressure 20 bar.



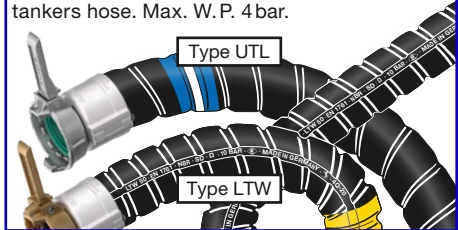
Universal Tank Hoses (EN 12115)

'BLUE-WHITE-BLUE', type UTD 13-38 without helix, type UTS 19-150 with helix. Suitable for most chemicals, petroleum based products and solvents. Lining UPE white with patented OHM conductive stripe. Max. W.P. 16 bar.



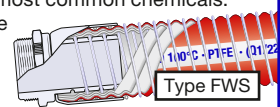
Corrugated Tanker Hoses (EN 12115, EN 1761)

Good flexibility due to corrugations in the cover: Type LTW 50-100 for petroleum products (NBR lining), type UTL 38-100 universal hose (UPE lining). Max. W.P. 10 bar. Also available type LG, lightweight gravity discharge road tankers hose. Max. W.P. 4 bar.



Composite Hoses (EN 13765)

Type FWS (PP, PTFE, PA, VR), flexible general purpose hose for most common chemicals. Temperature range -30°C to 100°C. Max. W.P. 14 bar.



Chemical Hoses (EN 12115)

'LILAC BAND', type CHD 13-50 without helix, CHS 25-150 with helix. Suitable for more than 75% of all industrial chemicals. Lining EPDM. Max. W.P. 16 bar (DN150: 10 bar).



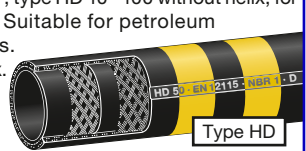
Solvent Hoses (EN 12115)

'BLUE BAND', type LMD 9-25 without helix, LMS 25-150 with helix. For most solvents and paints, also water based. Lining NBR 2 blue, electrically conductive. Max. W.P. 16 bar (DN150: 10 bar).



Fuel Reeling Hoses without Helix (EN 1761)

'YELLOW BAND', type HD 10-100 without helix, for reel operation. Suitable for petroleum based products. Lining NBR. Max. W.P. 25 bar (DN100: 20 bar).



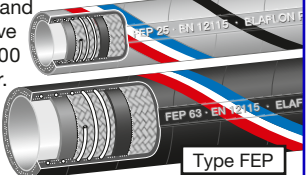
Tank Truck Hoses (EN 1761)

'YELLOW BAND', type TW 19-100 and type STW 125-200 with helix. Suitable for petroleum based products. Lining NBR. Max. W.P. 20 bar. (> DN100: 15 bar).



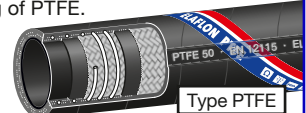
ELAFLO PLUS FEP (EN 12115)

Type FEP 13 D without helix, FEP 19-100 with helix. Universal hose with seamless FEP lining for all standard chemicals. DN 13-50 with light grey cover and OHM-conductive spiral, DN 63-100 with black cover. Max. W.P. 16 bar.



ELAFLO PTFE (EN 12115)

Type PTFE 13 D without helix, PTFE 19-100 with helix. Universal hose for all commonly used chemicals. OHM-hose with electr. conductive, seamless lining of PTFE. FDA/USP Class VI. Max. W.P. 16 bar.



FLUORFLEX 2

Ultra-flexible universal hose with helically wound PTFE lining for petrochemical, pharmaceutical and food industry. Temperature range -20°C up to 150°C. Max. W.P. 16 bar.



POLYPAL® CLEAN (EN 12115)

Type PCD 13-19 without helix, PCS 25-100 with helix. 'Clean' universal hose for almost all fluids. Lining UPE bright with conductive spiral stripe. Cover EPDM light grey with OHM-conductive spiral. Max. W.P. 16 bar.



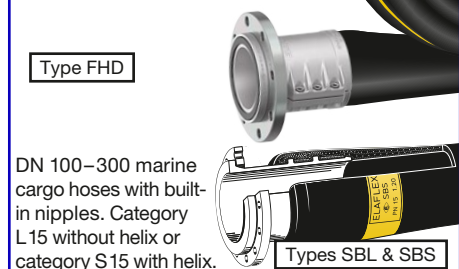
Pharma Hoses (EN 16820, FDA, USP Class VI)

ELAPHARM hose assemblies for highest media purity requirements, with PTFE lining. Type EPH (blue cover, el. isolating) and EPH-OHM (light grey cover, el. conductive) DN 13-50 with crimped connections, also free of dead spaces.



Bunkering Hoses (EN 1765)

Type FHD 75-250, collapsible marine bunkering hose without helix. Suitable as pressure hose for petroleum based products. Max. W.P. 15 bar (10": 10 bar).



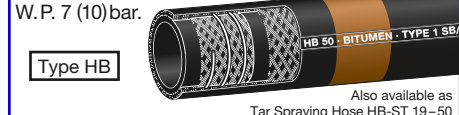
LPG Hoses (EN 1762)

'ORANGE BAND', type LPG 10-200 without helix. Also as special types LPG 16 S & LPG 16 for Autogas dispensers. For propane, butane and other L.P. gases. DVGW-approved. Lining NBR. Max. W.P. 25 bar.



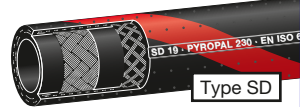
Hot Bitumen Hoses (EN 13482)

Type HB 50-100 with helix. Suitable for hot bitumen and heavy fuel, -25°C up to 200°C. Lining special elastomer. Max. W.P. 7 (10) bar.



Steam Hose (ISO 6134)

Type SD 13-50. Suitable for wet saturated steam (210°C) max. W.P. 18 bar and hot water up to 120°C. For cold water max. 25 bar. Lining EPDM.



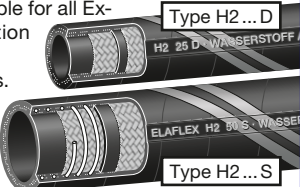
Ammonia Hose (EN ISO 5771)

Type AMX 13-50. For ammonia. Max. W.P. 25 bar. Lining EPDM.



Hydrogen Hose

Type H2 13-50 D without Helix, type H2 25-50 S with helix. Connecting hose for gaseous hydrogen. Lining black, smooth, cover electrically conductive. Temperature range -40° up to + 65° C. Max. working pressure 20 bar. Burst pressure > 120 bar. Q/T-hose, suitable for all Ex-zones. Permeation rate per metre < 1x10⁻⁴ mbar·l/s. Suitable for wet and dry hose systems.

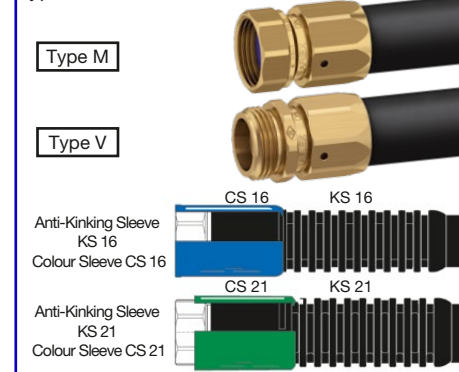


Hose Couplings

Safe and secure connections.

Hose Couplings Ferrule Type (EN 14424)

Female/male hose couplings (ferrule type) with union nut, DN 13-25. Brass, also chrome plated, or stainless steel. Also available as non-reusable type NR. Max. W. P. 25 bar.



Food + LPG Hose Couplings (DIN 11851, EN 14422)

Hose couplings of stainless steel with special thread for foodstuffs max. W. P. 16 bar. Hose couplings brass/steel with ACME thread for LPG max. W. P. 25 bar. SPANNFIX or SPANNLOC clamps.



'TW' Hose Couplings (EN 14420-6)

TW hose couplings, one piece or two piece coupler, with SPANNFIX or SPANNLOC clamps. Max. working pressure 16 bar.



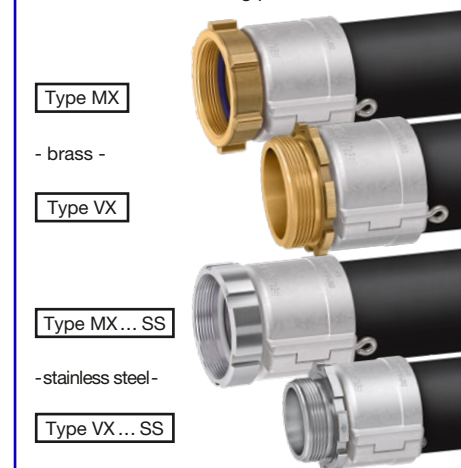
'Storz' Hose Couplings (DIN 14301)

STORZ hose couplings of aluminium. SPANNFIX or SPANNLOC clamps. Max. W. P. 10 bar.



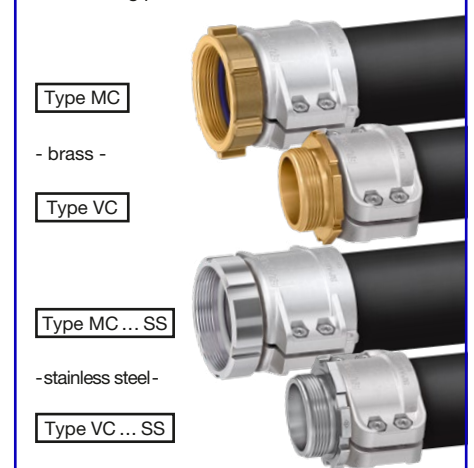
SPANNFIX Hose Couplings (EN 14420-5)

Female/male hose couplings with reusable SPANNFIX pinned safety clamps of hot stamped aluminium. DN 19-100. Max. working pressure 25 bar.



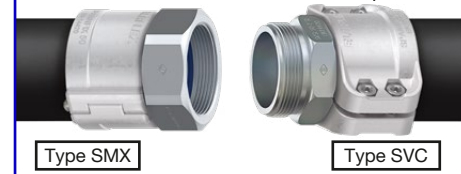
SPANNLOC Hose Couplings (EN 14420-5)

Female/male hose couplings w. reusable SPANNLOC bolted clamps of hot stamped aluminium. DN 13-100. Max. working pressure 25 bar.



Steel Hose Couplings (EN 14420-5)

Female/male hose couplings of steel, zinc plated and chromated. For LPG, hot water and mechanical engineering applications. Max. working pressure 25 bar. SPANNFIX or SPANNLOC clamps.



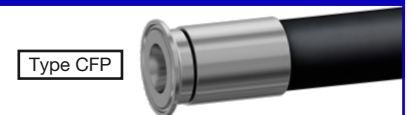
Hose Couplings for Steam (EN 14423)

Male/female hose couplings with bolted clamps of stainless steel or hot stamped brass. Hose tail and union nut either of stainless steel, steel zinc plated + chromated, or brass. Suitable for saturated steam up to +220°C, ammonia (stainless steel only) and compressed air. Max. W.P. 25 bar.



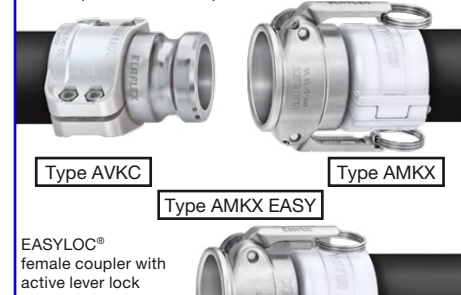
Clamp Hose Coupling 'Tri Clamp' (DIN 32676)

Clamp hose coupling 'Tri Clamp' of stainless steel, with ferrules. Application for food, chemical, cosmetic and pharmaceutical industries. Max. W.P. 10/16/25 bar, depending on pipe series.



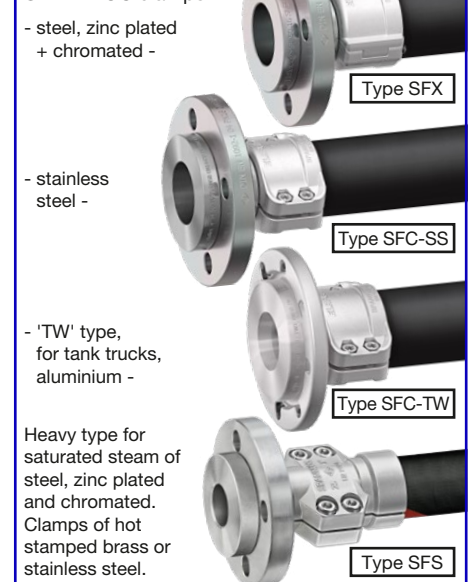
Cam Locking Couplings (EN 14420-7)

Hose fittings of brass, aluminium or stainless steel. With SPANNFIX or SPANNLOC clamps. Max. W. P. 16 bar (DN100: 10 bar).



Flanged Hose Couplings (EN 1092-1, EN 14420-4/14423)

Swiveling or fixed flanges, SPANNFIX or SPANNLOC clamps.



Tank + Pipe Couplings

Safe and secure connections.

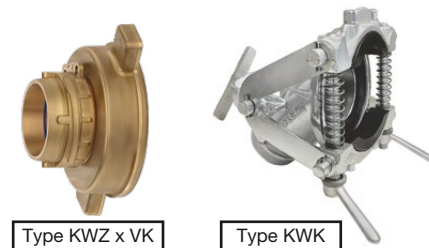
'TW' Couplings (EN 14420-6, DIN 28450)

Quick couplers to EN 14420-6. One hand tightening without tools, safe and leak-free connection. For tankers and industrial applications. Sizes 2", 3" and 4". Of hot stamped brass, stainless steel or hot stamped aluminium. Dust plugs also of polyamide. Max. working pressure 16bar.



Accessories for Rail Tankers

Rail tanker adapter type KWZ, one end with rail tanker thread 5½", other end male thread BSP or quick coupling. Rail tanker discharge coupling type KWK with male thread or quick coupling.



Sight Glasses

Sight glasses type SG (with BSP thread EN ISO 228). Type TSG (one side with tank truck flange). Brass also chrome plated, or aluminium.



Swivels

Swivel hose inlets to avoid torsion of hose assemblies. DN 25–50, of brass or stainless steel. Max. W.P. 10bar.



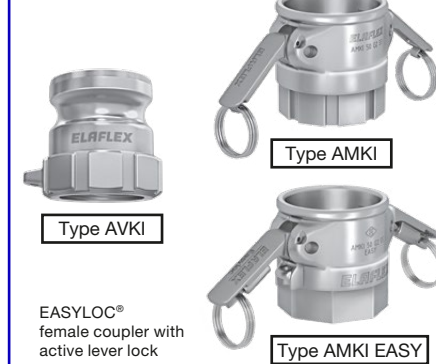
Pipe Connectors

Flexible bronze pipe connectors with swiveling oval flanges. Suction service between dispenser + storage tank, max. vacuum 0,9bar. Type BWO: standard. Type KW: with cathodic protection.



Cam Locking Couplings (EN 14420-7)

Female or male couplings, dust caps and dust plugs, DN 13–100, of stainless steel, brass or aluminium. Max. W.P. 16bar. (DN 100: 10bar)



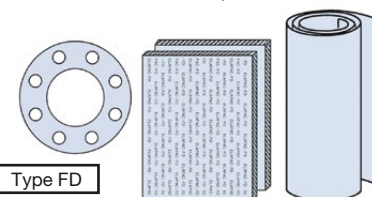
Symmetrical Couplings

Fixed couplings Storz or Guillemin, with BSP thread. All standard sizes of brass, aluminium or stainless steel. Max. working pressure 10bar.



ELAPAC-FD

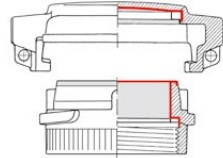
Flange sealing material free of plasticisers. Suitable for tank truck and tank installations, for petroleum based products and many other media. Available as cut seals, sheets or coils.



Teflon® PFA Coating

Stainless steel threaded fittings, flanges and couplings are also available with additional Teflon® PFA coating (FDA compliant) on surfaces in contact with medium, for specially aggressive media (e.g. hydrochloric acid, ferro-III-chloride, diluted sulfuric acid). Colour: red.

Type...SSE



Dry Disconnect & Break-away Couplings

Self locking couplings, MannTek brand. For liquid media or liquefied gas. Can be coupled up to 7bar. Brass/bronze, stainless steel or aluminium. Max. W.P. 25 bar (16bar for aluminium). Also available with selectivity system or flanged type.



Also available (no picture):
- Break-away Couplings for all liquid media
- Dry Disconnect & Break-aways f. cryogenic media

Flanges

Flanges to EN 1092-1 with male thread, short or long design. Of steel, stainless steel, brass or aluminium.



Tank truck welding flanges TFA with pipe stop (also available in space saving square shape TQFA). Type TF without pipe stop. Made of steel or stamped aluminium.



Tank truck flanges TGN, with threaded nipple, to DIN 28462. Of aluminium, brass or stainless steel.



Rubber Expansion Joints

ERV high quality expansion joints DN 25–1000, by ELAFLEX / ContiTech. With swiveling flanges (various types and materials).

ERV-R

RED BAND expansion joint for water, drinking water, waste water, seawater, cooling water, chemical waste water (without oil), chemicals, acids and alkalis, salt solutions, alcohols. Temperature range -40°C up to 100°C, temporarily up to 120°C. Lining Butyl/EPDM.

Type ERV-R



ROTEX

ROTEX expansion joint for permanent service with hot heating water, cooling water and hot air. Max. W.P. 10bar up to 100°C, 6bar up to 110°C. Temperature range -40° up to 130°C, temporarily up to 150°C. TÜV approved, DIN 4809. Lining EPDM.

Type ROTEX



ERV-CR

CR expansion joint for cold and warm water, seawater (also oil containing), various waste water, lube oils and greases, air, compressed air. Temperature range -25°C up to 90°C, temporarily up to 100°C. Lining Chloroprene.

Type ERV-CR



ERV-BR

BLUE SPOT expansion joint for abrasive media, sludges, slurries, solid/liquid mixtures and emulsions, dustlike or powdery products. W.P. max. 16bar. Temperature range -50°C up to 70°C, temporarily up to 90°C. Lining BR/NR.

Type BR



ERP

RED SPOT expansion joint for sanitary installations, cold/warm water, swimming pool water, seawater, drinking water. Highly flexible + low own resistance. Max. W.P. 10bar. Temperature range -40°C up to 90°C, temporarily up to 120°C. Lining Butyl/EPDM.

Type ERP



ERV-G

YELLOW BAND expansion joint for petroleum based products up to 50% aromatics, fuels, aviation fuels, town gas and natural gas. Temperature range -20°C up to 90°C, temporarily up to 100°C. Lining NBR.

Type ERV-G



ERV-G AF

Special type ERV-G AF expansion joint for aviation refuelling or dispensing vehicles in accordance to EN ISO 1825 / EI 1529. Suitable for all aviation fuels. Temperature range -40°C up to 65°C. Max. W. P. 20bar.

Type ERV-G AF



ERV-GS

YELLOW STEEL expansion joint. Similar to type ERV-G, but fire resistant to ISO 15540 (type approved). Also for cooling water emulsions with oily anticorrosion additives. Temperature range -20°C up to 90°C, temporarily up to 100°C. Lining NBR.

Type ERV-GS



ERV-GS HNBR

YELLOW STEEL HNBR expansion joint for petroleum based products up to 50% aromatics and hydraulic oil. Also for cooling water emulsions with oily anticorrosion additives. Large temperature range -35°C up to 100°C, temporarily up to 120°C. Lining HNBR.

Type ERV-GS HNBR



ERV-G LT

YELLOW BAND LT expansion joint designed for low temperature applications for standard-conform petroleum based products. Temperature range -40°C up to 90°C, temporarily up to 100°C. Lining NBR.

Type ERV-G LT



ERV-OR

ORANGE BAND expansion joint for Liquid Petroleum Gas (LPG) according to EN 589. Temperature range -20°C up to 90°C, temporarily up to 100°C. Max. W. P. 25 bar. Lining NBR.

Type ERV-OR



ERV-GR

GREEN BAND expansion joint for chemicals, acids, alkalis and aggressive chemical waste water. Temperature range -20°C up to 100°C, temporarily up to 110°C. For oil-contaminated compressor air up to 90°C. Lining CSM.

Type ERV-GR



ERV-W

WHITE BAND expansion joint for foodstuffs, also containing oil and fat. Liner conform to rec. XXI of BfR and FDA-21CFR 177.2600. Temperature range -20°C up to 90°C, temporarily up to 100°C. Lining NBR, light grey.

Type ERV-W



Accessories



ELAFLEX



ervconfigurator.elaflex.de

ELAFLEX



Nozzles + Accessories

Nozzles by ELAFLEX HIBY: ergonomic design, long life, fully serviceable.

ZVA Slimline 2 (EN 13012, ATEX)

Automatic nozzle for flowrate up to 80 l/min. Suitable for gasoline, also with ethanol content, diesel, fuel oil and biodiesel. Working pressure 0,5 – 3,5 bar.



ZVA 25 (EN 13012, ATEX)

Automatic nozzle for flowrate up to 140 l/min, DN 25. Suitable for gasoline, diesel and fuel oil. Working pressure 0,5 – 3,5 bar.



ZVA 32 (EN 13012, ATEX)

Automatic nozzle for flowrate up to 200 l/min, DN 32. Suitable for diesel, light fuel oil, petroleum, Avgas and Jet-A1. Working pressure 1,5 – 6 bar.



ZVA Slimline 2 GR (EN 13012, ATEX)

Automatic nozzle for active vapour recovery. Suitable for all standard gasoline fuels (also with ethanol content), up to 45 l/min. Design 'GRV' with integrated vapour valve 'On/Off', Design 'GRVP' with vapour proportional valve. Working pressure 0,5 – 3,5 bar.



Corrosion Resistant Automatic Nozzles

Automatic nozzles in special construction of gunmetal (ZVA-RG) or bronze (ZVA-GBZ). Suitable for solvents, alcohols and chemicals.



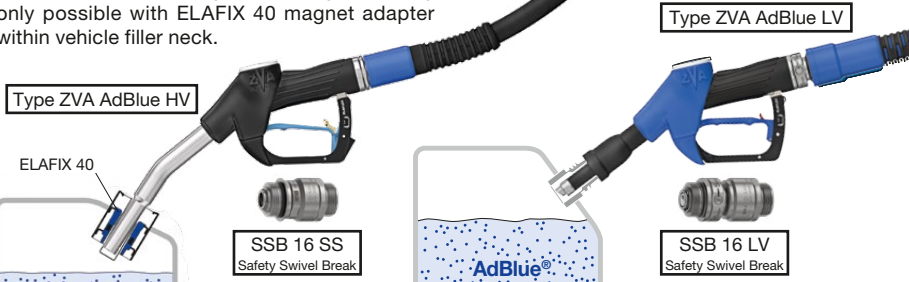
ZV 19/ ZV 25

Nozzles without automatic shut-off function for gasoline, diesel, fuel oil and vegetable oil. ZV 19 (DN 19) up to 100 l/min; ZV 25 (DN 25) up to 140 l/min. Max. W.P. 3,5 bar. Special types for chemicals available.



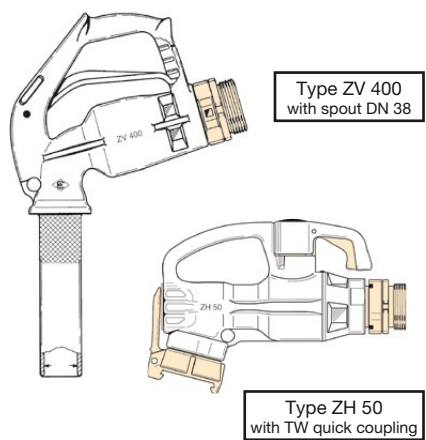
ZVA for AdBlue® (EN 13012, ATEX, DEF, ARLA 32, AUS 32)

Automatic nozzle for urea solution (AdBlue®, DEF). Flowrate up to 40 l/min. Working pressure 0,5 – 3,5 bar. Spout with magnet opening; refuelling only possible with ELAFIX 40 magnet adapter within vehicle filler neck.



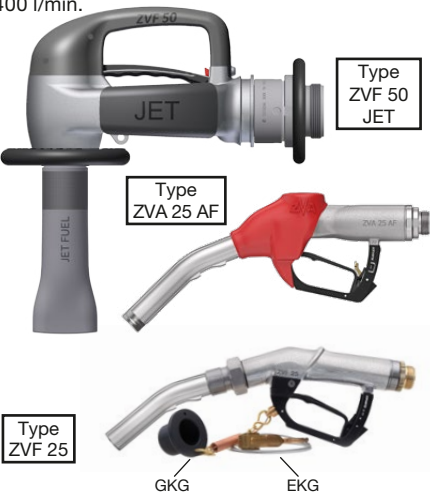
Bulk Delivery Nozzles

Fuel oil nozzles without automatic shut-off function, DN 32–50, types ZV 400, ZV 500 and ZH 50. Available either with fixed spout or TW coupling. Flowrates 250–650 l/min. Max. W.P. 10 bar.



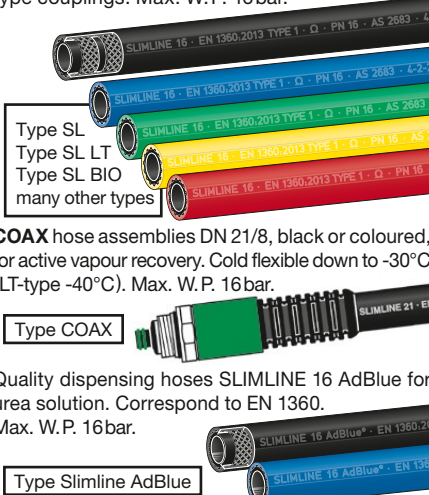
Nozzles for Aircraft Refuelling

Nozzles with or without automatic shut-off function for over-wing refuelling. Suitable for AVGAS and JET fuels. Flowrates: ZVF 25 and ZVA 25 up to 140 l/min, ZVA 32 up to 200 l/min, ZVF 50 up to 400 l/min.



Petrol Pump Hoses (EN 1360)

Quality petrol pump hoses 'SLIMLINE' DN 16-25 for gasoline and diesel fuels, also with biodiesel or ethanol content. Cold flexible down to -30°C (LT-type down to -40°C). Assembly with ferrule type couplings. Max. W.P. 16 bar.



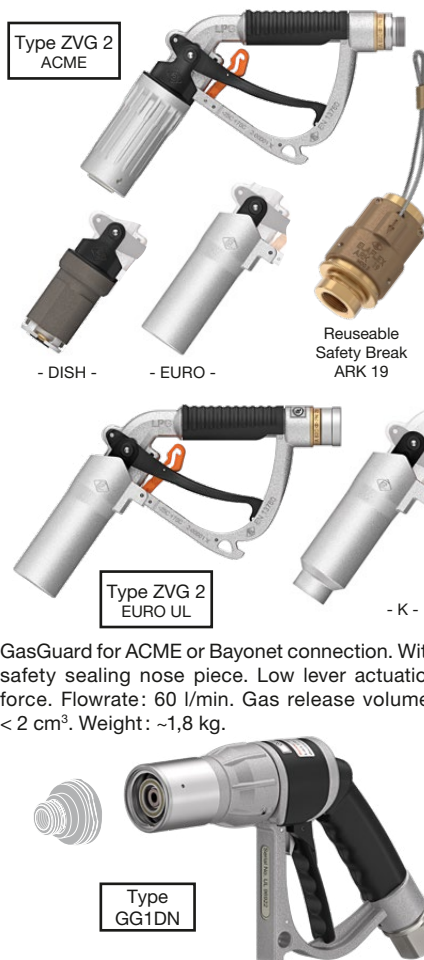
Safety Breaks, Sight Glasses (EN 13617-2, ATEX)

Self-closing safety break couplings for nozzles, reusable. To protect dispensers, hose assemblies and cars in case of drive-off incidents.



LPG Nozzle, Accessories (EN 13670, ISO 19825, ATEX)

Autogas (LPG) nozzle with ACME, DISH or EURO coupling. For propane, butane and mixtures up to 50 l/min. Max. W.P. 25 bar.



Nozzles + Accessories

High quality solutions.

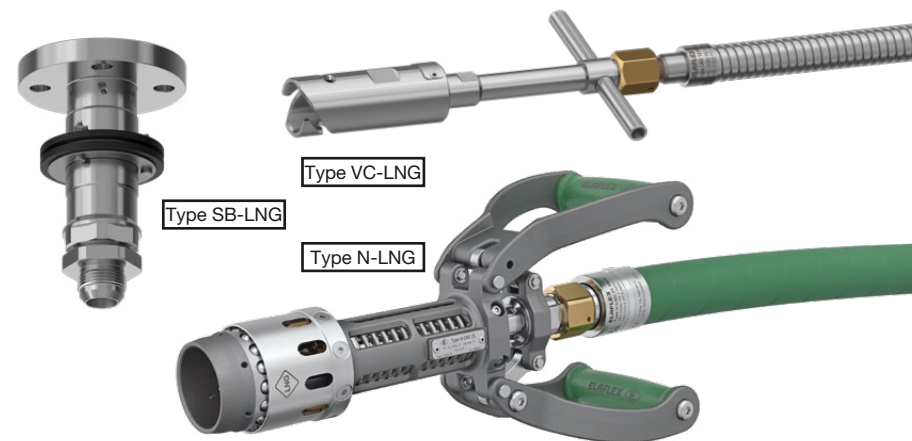
LNG Nozzle, Couplings and Hoses

LNG Refuelling System of heavy vehicles (trucks) for petrol station forecourts meets the highest safety and quality standards.

Consisting of:

- N-LNG Nozzle with filling point to EN ISO 12617
- VC-LNG Vent Coupling for overpressure regulation (> 10 bar) in the LNG tank to enable refuelling.
- LNG 25 Fill Line Assembly for nozzle. Optional with flexible Cover Hose 'CH-LNG' to protect against outer influences, icing and against wear and tear. Preventing direct contact to cold components.
- LNG 13 Vent line Assembly for vent coupling.
- SB-LNG reusable Safety Breaks for Fill and Vent Lines with different connections.

For use with Liquefied Natural Gas (LNG) or liquid nitrogen for calibration purposes with a low media temperature down to -196 °C. Flow rate up to 190 l/min (50 GPM). Maximum working pressure 34 bar. Ambient temperature range -40° C to +85° C (-40° F to 185° F).



CNG Nozzles, Valves, Couplers, Safety Breaks

CNG components are used in the gas energy and transport industry to handle greater volumes, higher pressures and tough reliability requirements. To minimise the risks of fuel storage and dispensing with CNG and other compressed technical gases such as Biogas, Air, Nitrogen, Helium or Hydrogen. The components comply with PED 2014/68/EU. The most of CNG products are designed for working pressures up to 410 bar (6000 psi).

The fast fill system includes:

- Ball Valves
- Check Valves
- Quick Couplers
- Fill Valves and Nozzles
- Safety Breaks such as SB-CNG
- Manifolds



configure online: oasisconfigurator.elaflex.de

Customised, complete solutions by ELAFLEX.

Custom-Made Hose Reels

'HR' Hose Reel Packages optional with hoses, couplings and nozzles. Delivered as complete tested system. Commonly used for trucks, marina, ports (terminals) and ships, depots, petrol stations or airports. Suitable for a wide range of media, e.g. gasoline, diesel, Jet fuels, urea solution (AdBlue®), detergents, disinfectants, solvents, oils, water and gases.

Modular designed, made of various resistant materials (reels of steel or stainless steel) and swivel joints, accessories and colours to suit space, media and requirements. Covering operating pressures from 1 to 350 bar. Hose sizes from DN 13 to DN 200 in any length. For petrol stations with or without vapour recovery (VR) hose assemblies.

Installation on plain or vertical surfaces (without further modifications).

Supplied with different rewind systems.

HR 'Compact Line' with spring rewind system and integrated static hose guide as standard.

HR 'Modular Line' with various rewind systems such as manual, electric, hydraulic or pneumatic.

Type HR
'Compact Line VR'



Type HR
'Modular Line'
Hydraulic Rewind



Type HR
'Modular Line'
Manual Rewind

Storage Hose Reels

For a safe and clean storage only. Suitable for hoses DN 13 to DN 250. Rewind systems as manual, electric, hydraulic or pneumatic available.

Type HR
'Storage Reel'



Bonding Reels

Bonding Reel with spring rewind system. For earthing and bonding with highly visible bonding cable, up to 30 m, Ø 5,5 mm, different types of clamps.

Type HR
'Bonding Reel'



This brochure shows only a small part of the Elaflex product range. Further information from our distribution partners or from:

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