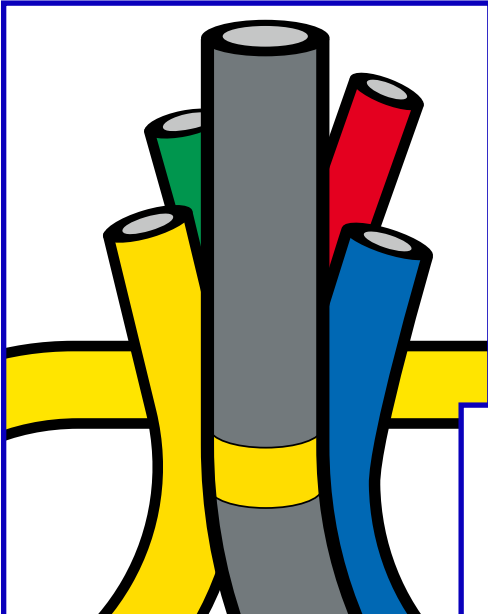
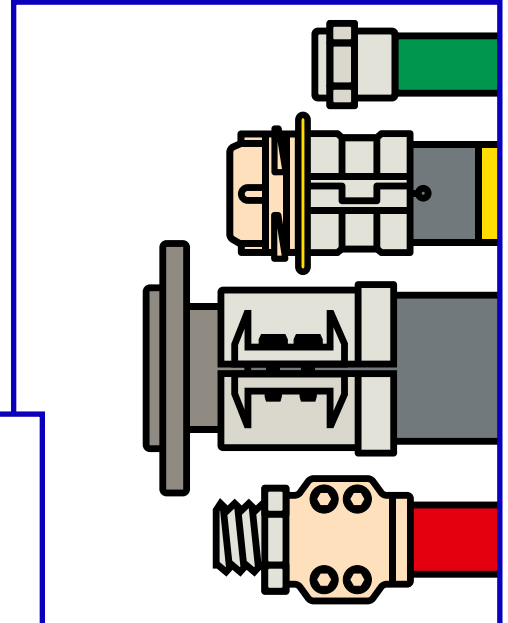


Product Guide

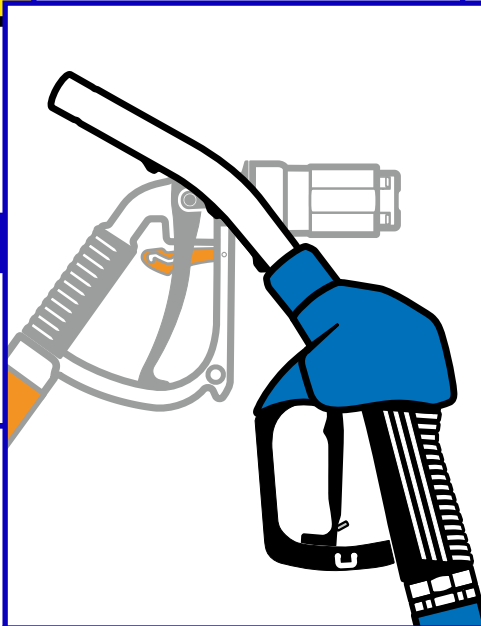
Hoses · Couplings · Expansion Joints · Nozzles



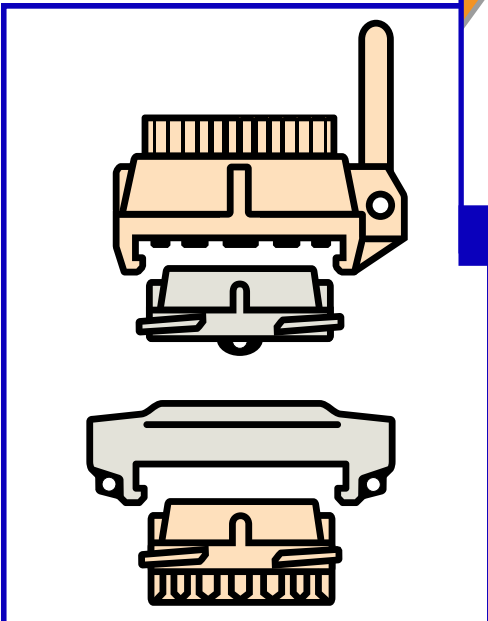
Petrol + Chemical Hoses



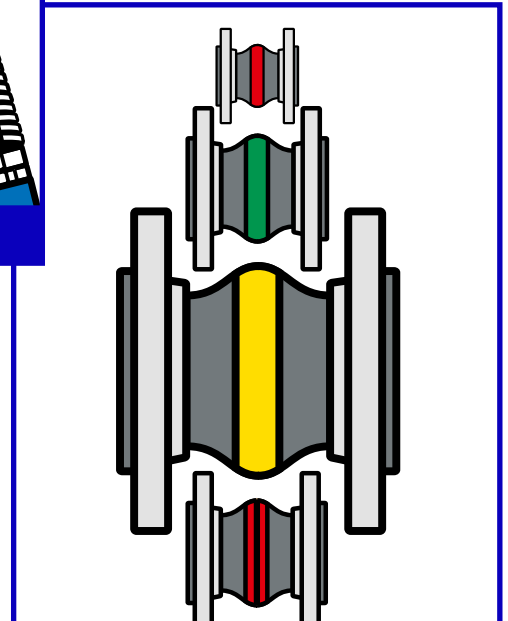
Hose Couplings



Nozzles + Accessories



Tank + Pipe Couplings



Rubber Expansion Joints

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

Aircraft Refuelling Hoses (EN 1361, EI 1529)

'YELLOW BAND'

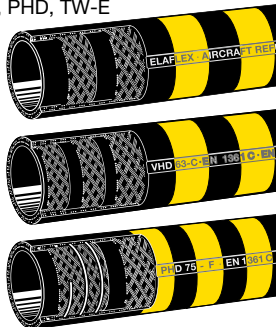
Types HD-C, VHD, PHD, TW-E

Suitable for all aviation fuels.

Optional with NEON bands for improved visibility.

Specified by all major oil companies.

Lining NBR, working pressure 20 bar.



Also as Low Temperature versions

Fuel Reeling Hoses without Helix (EN 12115)

'YELLOW BAND', type HD 10-200 without helix, for reel operation. Suitable for all petroleum based products. Lining NBR. W.P. 20/25 bar.

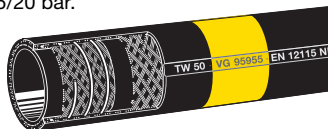
Type HD



Tank Truck Hoses (EN 12115)

'YELLOW BAND', type TW 19-200 with helix. Suitable for all petroleum based products. Lining NBR. W.P. 16/20 bar.

Type TW



LPG Hoses (EN 1762)

'ORANGE BAND'

Type LPG 10-100 without helix. Also as special type LPG 16 for Autogas dispensers. For propane, butane and other L. P. gases. DVGW-approved. Lining NBR. W.P. 25 bar.

Type LPG



Also available as Low Temperature version

Universal Tank Hoses (EN 12115)

'BLUE-WHITE-BLUE'

Type UTD 13-38 without helix, UTS 19-100 with helix. Suitable for most chemicals, petroleum based products and solvents. Lining UPE white with patented OHM conductive stripe. W.P. 16 bar.

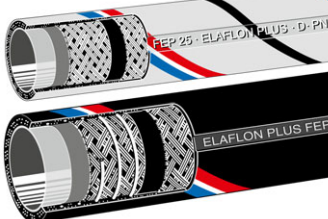
Type UTS



Elafion Plus FEP (EN 12115)

Type FEP 13-25 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. W.P. 16 bar.

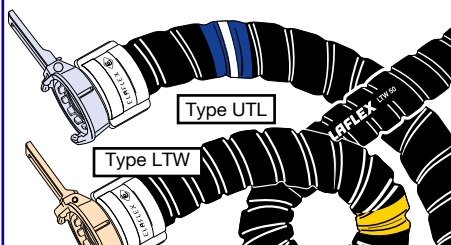
Type FEP



Corrugated Tanker Hoses (EN 12115)

Good flexibility due to corrugations in the cover: Type LTW 50-100 for petroleum products (NBR lining), Type UTL 50-100 universal hose (UPE lining). Working pressure 10 bar.

Type LTX 80+100 (no picture): for petrol station storage tanks (NBR lining). Working pressure 4 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. W.P. 7 bar.

Type HB



Steam Hose (ISO 6134)

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

Type SD



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. W.P. 16 bar.

Type FXD

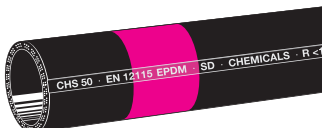


Chemical Hoses (EN 12115)

'LILAC BAND'

Type CHD 13-50 without helix, CHS 25-150 with helix. Suitable for more than 75% of all industrial chemicals. Lining EPDM. Working pressure 16 bar.

Type CHS



Polypal Clean (EN 12115)

Type PCD 13-38 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. W.P. 16 bar.

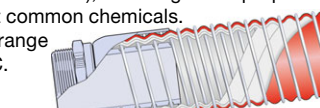
Type PCS



Composite Hoses (EN 13765, Type 3)

Type FWS (PP or PTFE), flexible general purpose hose for most common chemicals.

Temperature range -20°C to 80°C. W.P. 14 bar.

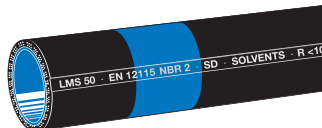


Solvent Hoses (EN 12115)

'BLUE BAND'

Type LMD 9-25 without helix, LMS 25-150 with helix. For most solvents and paints, also water based. Lining NBR blue, electrically conductive. W.P. 16 bar.

Type LMS

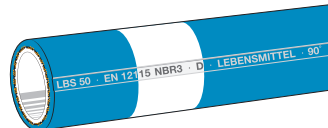


Foodstuff Hoses (EN 12115)

'WHITE BAND'

Type LBD 19-38 without helix, LBS 50-100 with helix. For all foodstuffs, milk, oils, fats, flour, molasses, and sirups. Lining NBR white, cover NBR/PVC blue. W.P. 16 bar.

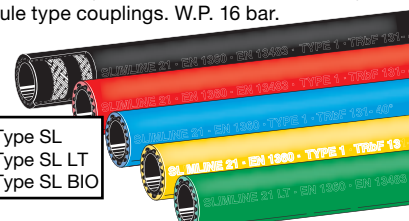
Type LBS



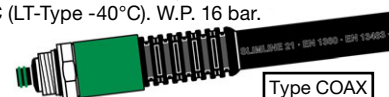
Petrol Pump Hoses (EN 1360)

Quality petrol pump hoses 'CONTI-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. W.P. 16 bar.

Type SL
Type SL LT
Type SL BIO



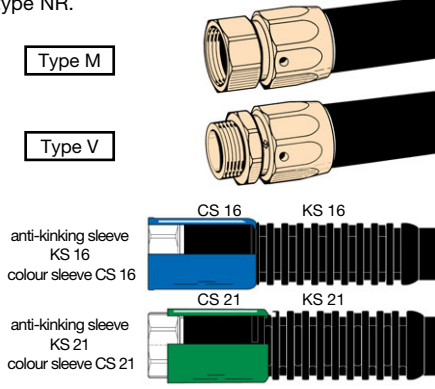
COAX hose assemblies DN 21/8, black or coloured, for active vapour recovery. Cold flexible down to -30°C (LT-Type -40°C). W.P. 16 bar.



Safe and secure connections.

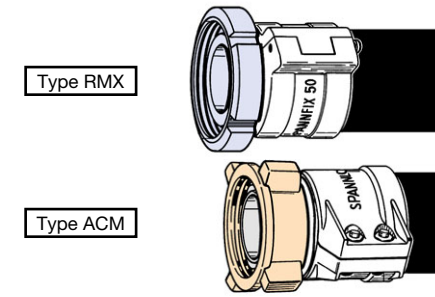
Hose Couplings Ferrule Type (VG 95951 / EN 14424)

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.



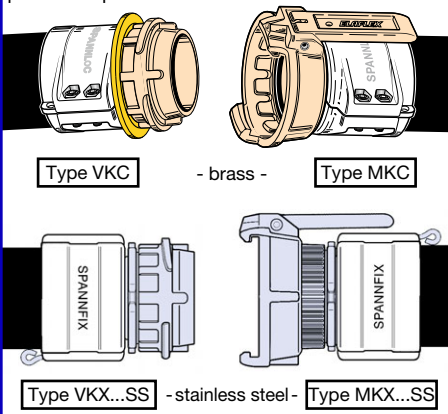
Food + LPG Hose Couplings (DIN 405, EN 14422)

Hose couplings of stainless steel with special thread acc. DIN 405 for foodstuffs up to 16 bar. Hose couplings brass/steel with ACME thread for LPG up to 25 bar. SPANNFIX or SPANNLOC clamps.



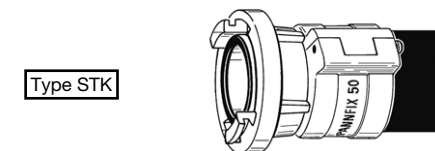
'TW' Hose Couplings (EN14420-6/DIN 28450)

TW hose couplings, one piece or two piece coupler, with SPANNFIX or SPANNLOC clamps. Working pressure up to 16 bar.



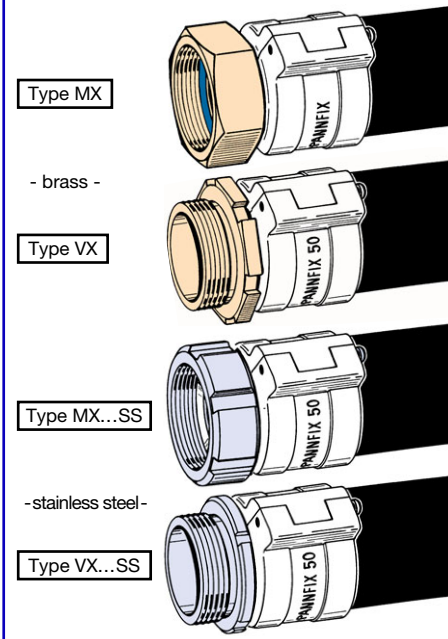
'Storz' Hose Couplings (DIN 14301)

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



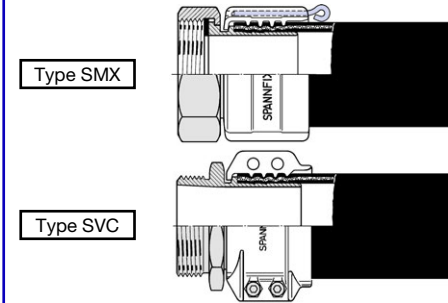
SPANNFIX Hose Couplings (EN 14420-5)

Female/male hose couplings with reusable SPANNFIX pinned safety clamps of hot stamped aluminium. DN 25-100. Working pressure up to 25 bar.



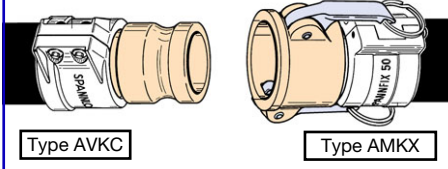
Steel Hose Couplings (EN14422)

Female/male hose couplings of steel, zinc plated and chromated. For LPG, ammonia, mechanical engineering applications. Working pressure up to 25 bar. SPANNFIX or SPANNLOC clamps.



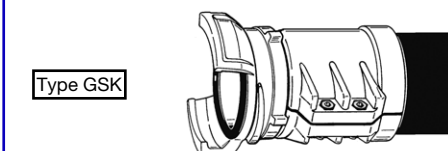
Cam locking Couplings (EN 14420-7)

Hose fittings with clamp units, brass or stainless steel. With SPANNFIX or SPANNLOC clamps. Working pressure up to 10 bar.



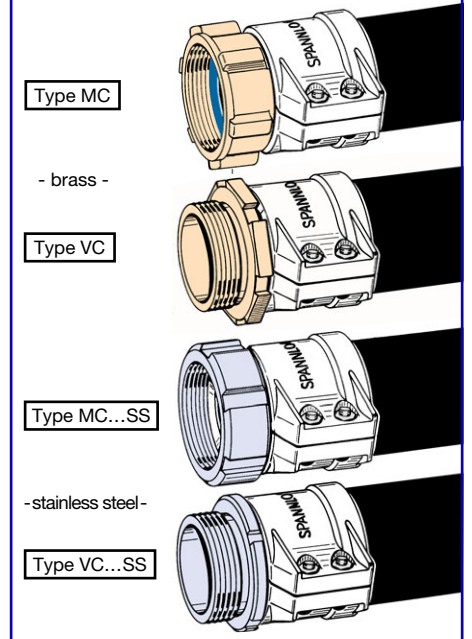
'Guillemin' Hose Couplings (EN 14420-8)

GUILLEMIN hose couplings of aluminium. SPANNFIX or SPANNLOC clamps. W.P. up to 10 bar.



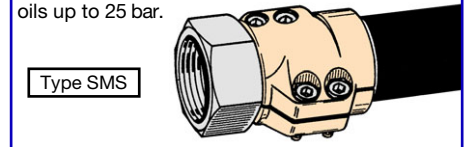
SPANNLOC Hose Couplings (EN 14420-5)

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



Hose Couplings for Steam (EN 14423)

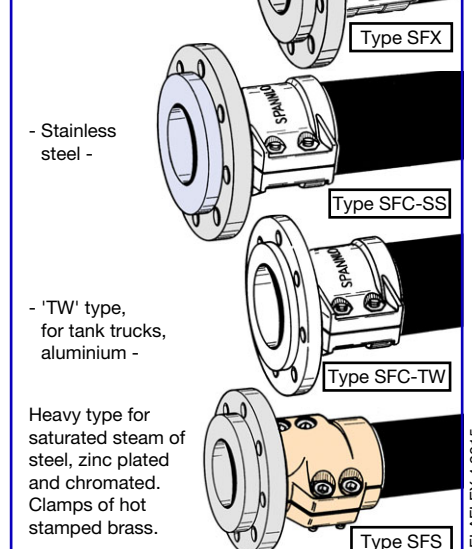
Male/female hose couplings with bolted clamps of hot stamped brass. Hose tail and union nut of steel zinc plated + chromated, or brass. Suitable for saturated steam up to +220°C, compressed air, oxygen and oils up to 25 bar.



Flanged Hose Couplings (DIN1092-1, EN 14423)

Swiveling or fixed flanges, SPANNFIX or SPANNLOC clamps.

- Steel, zinc plated + chromated -



Safe and secure connections.

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

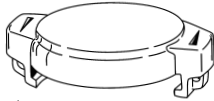
Quick couplers acc. EN 14420-6. One hand tightening without tools, safe and leak-free connection. For tankers and industrial applications. Sizes 2", 3" und 4". Of hot stamped brass, stainless steel or hot stamped aluminium. Dust plugs also of polyamide. Working pressure up to 16 bar.

Type VB
(dust plug - aluminium, polyamide, brass or stainless steel)

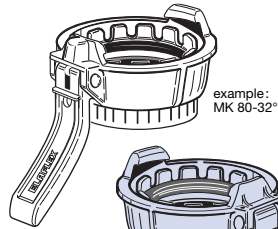


Also available:
VB 80 ADR SS
with pressure relief valve

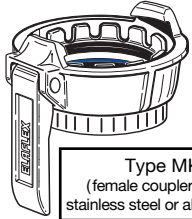
Type MB
(dust cap of aluminium, brass or stainless steel)



Type MK with bent lever
to provide that the lever can fully close and lock in narrow installations



example:
MK 80-32"



Type MK
(female coupler brass, stainless steel or aluminium)

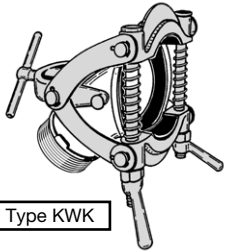


Type VK
(male coupler brass, stainless steel or aluminium)

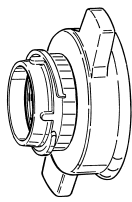
Type MK-A SS
with active Safeguard Lever, prevents accidental opening of the lever

Accessories for Rail Car Tankers

Rail car discharge coupling KWK with male thread or quick coupling. Rail car adapters KWZ one end with rail car thread 5 1/2" Whitworth (old DIN 11 or DIN 26017), other end male thread BSP or quick coupling.



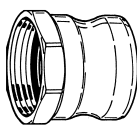
Type KWK



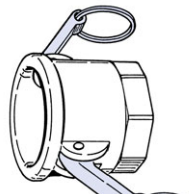
Type KWZ x VK

Cam locking Couplings (EN 14420-7)

Dust caps AMB, male couplings with female thread AVKI, dust plugs AVB, female couplings with female thread AMKI. Made of aluminium, brass or stainless steel. W.P. max. 10 bar.



Type AVKI

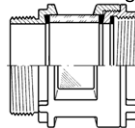


Type AMKI

Sight Glasses

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

Type SG

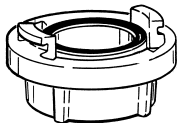


Symmetrical Couplings

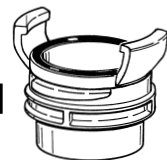
Fixed couplings Storz or Guillemin, with BSP thread. Brass, aluminium or stainless steel. Working pressure 10 bar.

Type Storz IG

Also available as Storz 'Safety Coupling' for dry bulk operation



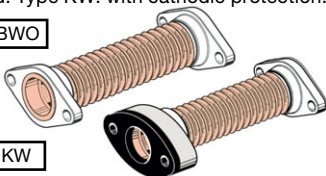
Type Guillemin IG



Pipe Connectors

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

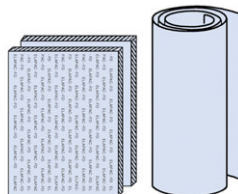
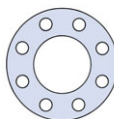
Type BWO



Type KW

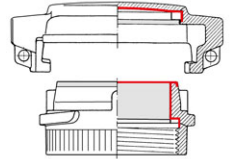
ELAPAC-FD

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

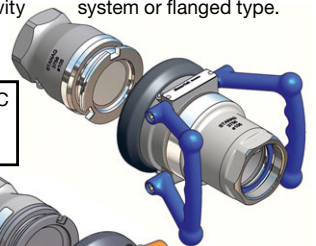
Stainless steel threaded fittings, flanges and couplings are also available with red coloured PFA coating for specially aggressive media, e.g. hydrochloric acid, ferro-III-chloride, diluted sulfuric acid.



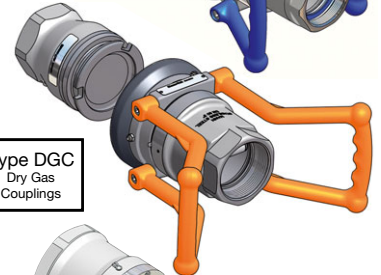
Type ...SSE

Dry Disconnect & Break-away Couplings

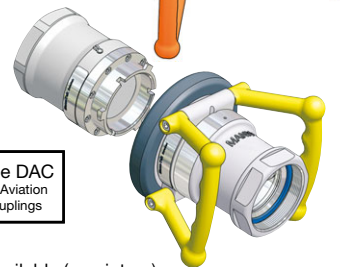
Self locking couplings, MannTek brand. For liquid media or liquefied gas. Can be coupled up to 7 bar. Brass/bronze, stainless steel or aluminium. W.P. 25 bar (PN 16 for aluminium). Also available with selectivity system or flanged type.



Type DDC
Dry Disconnect Couplings



Type DGC
Dry Gas Couplings



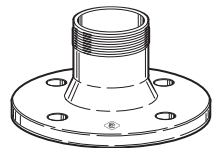
Type DAC
Dry Aviation Couplings

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

Flanges

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

Type FGN
(long design)



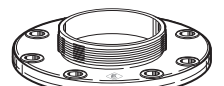
Tank truck welding flanges TFA with pipe stop (also available in space saving square shape TQFA). Type TF without pipe stop. Made of steel or stamped aluminium.

Type TFA



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

Type TGN



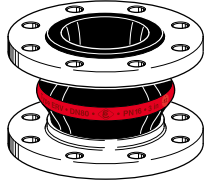
Rubber Expansion Joints

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.

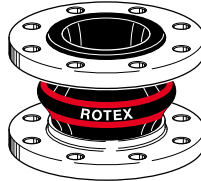
Type ERV-R



ROTEX

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

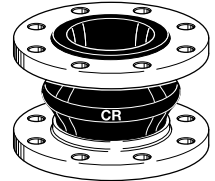
Type ROTEX



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.

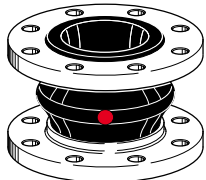
Type ERV-CR



ERP

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

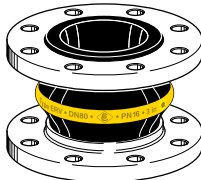
Type ERP



ERV-G

YELLOW BAND expansion joint for petroleum based products up to 50% aromatics, also town gas and natural gas, cooling water emulsions with corrosion preventing oil. Temperature range -20°C up to 90°C, temporarily up to 100°C. Lining NBR.

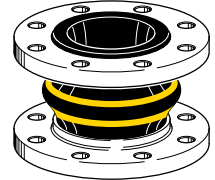
Type ERV-G



ERV-GS

YELLOW STEEL expansion joint. Similar to type ERV-G, but fire resistant acc. to ISO 15540 (type approved). Temperature range -20°C up to 90°C, temporarily up to 100°C. Lining NBR.

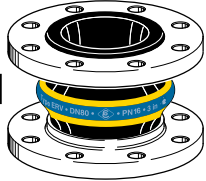
Type ERV-GS



ERV-GS HNBR

YELLOW STEEL HNBR expansion joint for petroleum based products up to 50% aromatics and hydraulic oil. Very good ageing, weathering + ozone resistance. Temperature range -35°C up to 100°C, temporarily up to 120°C. Lining HNBR.

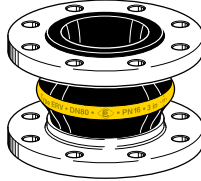
Type ERV-GS HNBR



ERV-G LT

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

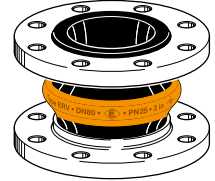
Type ERV-G LT



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. Lining NBR.

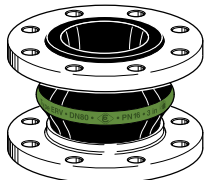
Type ERV-OR



ERV-GR

GREEN BAND expansion joint for acids, alkalis, chemicals 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 Hypalon®.

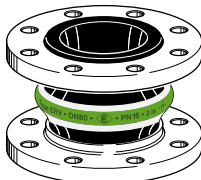
Type ERV-GR



VITEX

VITEX expansion joint in High-Tech design for hot oils, petroleum based products and aggressive chemicals. Temperature range -15°C up to 90°C, temporarily up to 130°C. Lining FPM.

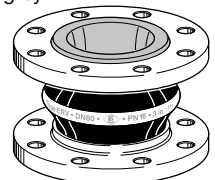
Type VITEX



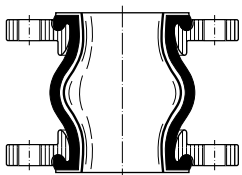
ERV-W

WHITE BAND expansion joint for foodstuffs, also oils and fat containing food. Liner conforms to German foodstuff regulations. Temperature range -20°C up to 90°C, temporarily up to 100°C. Lining NBR, light grey.

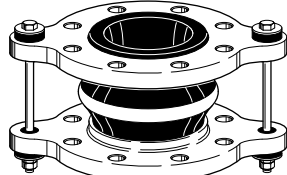
Type ERV-W



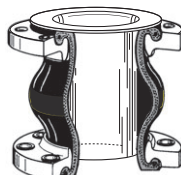
Accessories



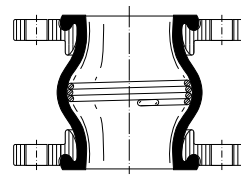
With additional PTFE liner (ERV...TA)



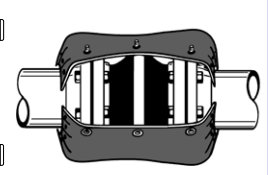
With tie rods as limiters (ERV...ZS)



With inner protection sleeve of stainless steel, e.g. for granulates (ERV...SR)



With vacuum support spiral (ERV...VSD) or ring (ERV...VSR)



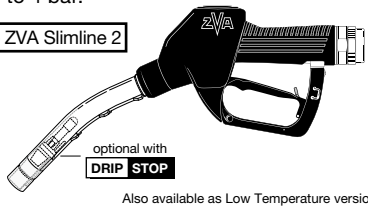
Flame protection cover (FSH)

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

ZVA Slimline 2 (EN 13012, ATEX, TÜV)

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 up to 4 bar.

Type ZVA Slimline 2

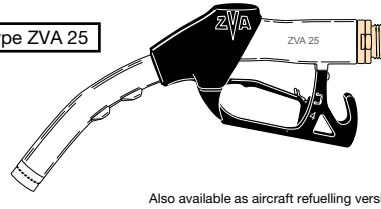


Also available as Low Temperature version

ZVA 25 (EN 13012, PTB, ATEX)

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

Type ZVA 25

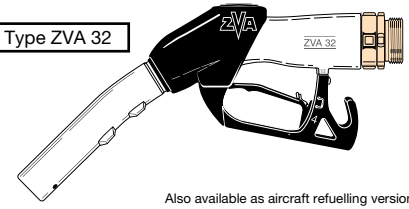


Also available as aircraft refuelling version

ZVA 32 (PTB)

Automatic nozzle for flowrate up to 200 l/min, DN 32. Suitable for gasoline, diesel and fuel oil. Working pressure 0,5 up to 6 bar.

Type ZVA 32

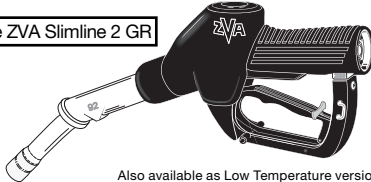


Also available as aircraft refuelling version

ZVA Slimline 2 GR (EN 13012, ATEX, TÜV)

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 to 3,5 bar.

Type ZVA Slimline 2 GR

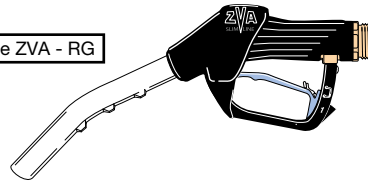


Also available as Low Temperature version

Corrosion Resistant Automatic Nozzles

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

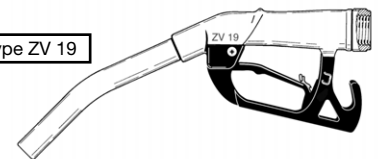
Type ZVA - RG



ZV 19 / ZV 25

Manually operated nozzles 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. W.P. up to 3,5 bar. Special types for chemicals available.

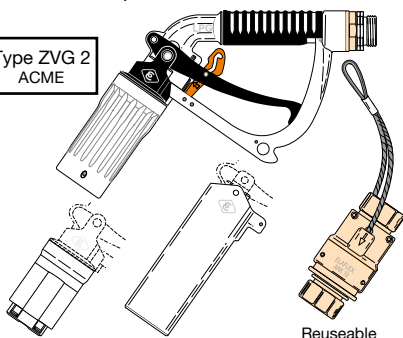
Type ZV 19



LPG Nozzle, Accessories

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

Type ZVG 2
ACME



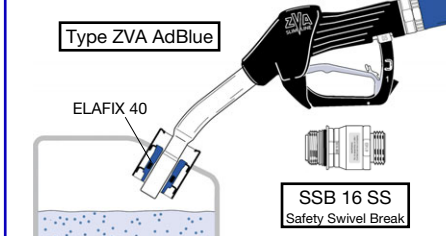
- DISH - - EURO -

Reusable
Safety Break
ARK 19 Mod.2

ZVA AdBlue DEF (DIN 70070, AUS 32 ISO/DIS 22241-4)

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

Type ZVA AdBlue

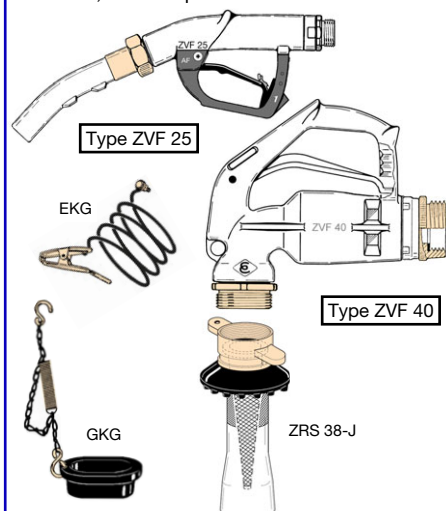


SSB 16 SS
Safety Swivel Break

Nozzles for Aircraft Refuelling

Manually operated nozzles for overwing refuelling. Suitable for Avgas and Jet fuels. ZVF 25 up to 140 l/min, working pressure 3,5 bar. ZVF 40 up to 400 l/min, nominal pressure PN 10.

Type ZVF 25



Type ZVF 40

ZRS 38-J

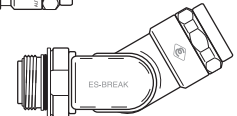
Safety Breaks (EN 13617-2, ATEX)

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

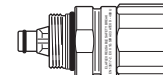
SSB 16
f. ZVA SL 2,
ZVA Slimline



ESB 16
f. ZVA SL 2,
ZVA Slimline

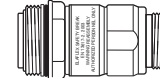


CSB 21
f. ZVA SL 2 GR,
ZVA 200 GR

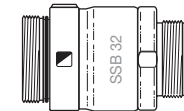


PSB
Pump
Safety Break

SSB 25
f. ZVA 25



SSB 32
f. ZVA 32



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

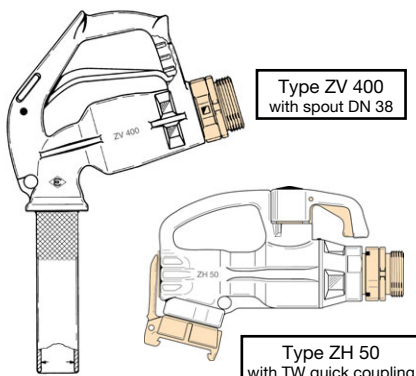
ELAFLEX-Gummi Ehlers GmbH /
ELAFLEX HIBY Tanktechnik GmbH & Co. KG

Schnackenburgallee 121
22525 Hamburg / Germany
Tel.: +49 40 540 00 5-0
Fax: +49 40 540 00 5-67
E-Mail: info@elaflex.de
Internet: www.elaflex.de

Bulk Delivery Nozzles

Manually operated fuel oil nozzles DN 32–50, types ZV 400, ZV 500 and ZH 50. Available either with fixed spout or TW coupling. Flowrates 250–650 l/min, nominal pressure PN 10.

Type ZV 400
with spout DN 38



Type ZH 50
with TW quick coupling