



Protects LNG dispensers from drive-away incidents by separating and isolating dispenser from Fill or Vent Line. Stops the flow of fuel on both ends at separation. Reconnectable after breakaway event by replacing breaking bolts EB 544-3.

For installation on LNG dispensers.

For use with liquefied natural gas 'LNG' (or liquid nitrogen for calibration purposes) with a low media temperature down to -196°C . Maximum working pressure 34 bar.

Separation in axial and angular direction (up to 90°) at a pull force of 7kN.

Materials: Body, breakaway part, springs, screws, nuts and washers of stainless steel, O-Rings and seals PTFE, bumper of TPU

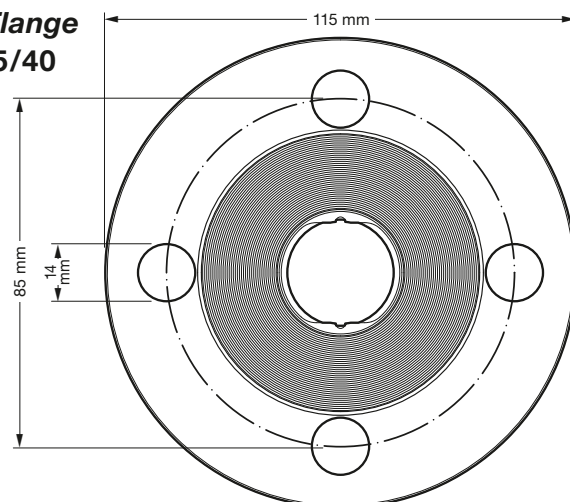
Weight \approx 2,8kg

To EN 12516-2, EN 12266-1/-2, EN ISO 16924, EN ISO 80079-36/-37

Safety Break DN 25 for Fill Line (FL)	1 5/16"-12 J514 37° (JIC 37°) AG / male /and DN 25 PN 25/40	SB-LNG FL-J x 25.40
	1 5/16"-12 J514 37° (JIC 37°) AG / male /and 1" NPT AG / male	SB-LNG FL-J x 1" NPT AG / male
Safety Break DN 13 for Vent Line (VL)	7/8"-14 J512 45° AG / male /and DN 25 PN 25/40	SB-LNG VL-J x 25.40
	7/8"-14 J512 45° AG / male /and 3/4" NPT AG / male	SB-LNG VL-J x 3/4" NPT AG / male

– Other connections on request

/ Flange
DN 25 PN 25/40
Type B



LNG Safety Break, for the refuelling of heavy vehicles (trucks).
For Fill and Vent Lines with different connections, reusable.
Ambient temperature range -40°C to $+85^{\circ}\text{C}$ (-40°F to 185°F).

SB-LNG FL



SB-LNG VL



Spare part set:
3 breaking bolts
of stainless steel,
each with 2 nuts
and washer

EB 544-3

• Corrugated Metal Refuelling Hose Assembly LNG



LNG 13



LNG 25



LNG 25

Corrugated Metal refuelling hose assembly 'LNG' for the venting or refuelling of heavy vehicles (trucks) with liquified natural gas 'LNG'. Suitable for installation with nozzle, vent coupling or safety break on LNG dispensers.

(Optional: flexible Cover Hose 'CH-LNG', protects refuelling components against outer influences, icing and against wear and tear. Enables easy handling and prevents direct contact to cold components. Only for LNG refuelling and for short-term use with liquid nitrogen for calibration purposes.)

For use with liquified natural gas 'LNG' (or liquid nitrogen for calibration purposes) with a low media temperature down to -196°C (with Cover Hose below -164°C only short term use). Ambient temperature range -40°C to +85°C (-40°F to 185°F). Maximum working pressure 34bar. Hose couplings with stainless steel and aluminium-bronze.

- Core : Corrugated Metal hose of stainless steel 1.4404
- Reinforcement : Braid of stainless steel
- Cover : With segment / floppy hose (P) of stainless steel 1.4301
Optional cover hose of CR / NBR, electrically conductive
- Marking : Laser marking on coupling of hose assembly:
ELAFLEX Type LNG 25 PN 40
ISO 10380 PS 3.4MPa
ISO 21012 PT 6.0MPa
T1-10a TS -196 / +85°C
316L 20/11 SN 6100005001
with Data Matrix Code (DMC) and CE marking

Type approved to EN ISO 21012 and EN ISO 10380

Weight Approx. ≈kg/m	Hose Size			Work. Pressure bar	Test Pressure bar	max. Vacuum bar	Bend. Radius mm	Type
	IDin.	IDmm	ODmm					
0,76	1/2"	13	28	34	60	0,9	165	LNG 13
1,35	1"	25	42				200	LNG 25
1,18	1 1/2"	40	50	35	53	0,9	250	LNG 40

^{*)} Further sizes from DN 10 to DN 40 on request.

Construction Details Materials · Application Specification	Hose Inlet Thread Type + Size	Part Number Type
LNG vent hose assembly	7/8"-14 J512 45° (VL) both sides female	LNG 13 L1=X,XX m
LNG fill hose assembly	1 5/16"-12 J514 37° (FL) (JIC 37°) both sides female	LNG 25 L1=X,XX m