

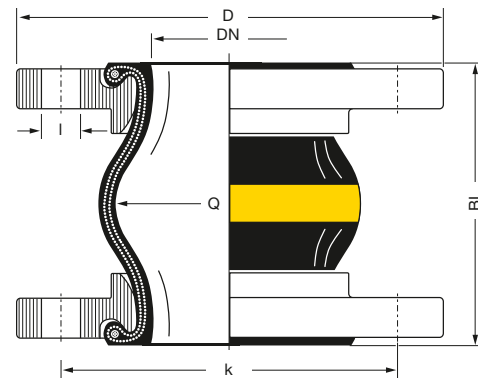
Weight ≈ kg	Effect. Area Q [cm ²]	Size DN		Bellow bar	Flanges ¹⁾ Measurements [mm]			Length [mm] BL	Part ¹⁾ Number Type
		inch	mm		D	k	n x l		
1,9	15	1"	25	16	115	85	4 x 14	130	ERV-G LT 25.16 ²⁾
3,4	15	1¼"	32		140	100	4 x 18		ERV-G LT 32.16
4,0	20	1½"	40		150	110			ERV-G LT 40.16
4,6	30	2"	50		165	125			ERV-G LT 50.16
5,3	50	2½"	65		185	145			ERV-G LT 65.16
6,9	85	3"	80		200	160	8 x 18		ERV-G LT 80.16
8,0	125	4"	100		220	180			ERV-G LT 100.16
9,9	185	5"	125		250	210	8 x 22		ERV-G LT 125.16
12,3	250	6"	150		285	240			ERV-G LT 150.16
16,5	400	8"	200		340	295			ERV-G LT 200.10
21,6	600	10"	250		395	350			ERV-G LT 250.10
29,3	800	12"	300		445	400	12 x 22		ERV-G LT 300.10



**Type
ERV-G LT**

YELLOW BAND LT expansion joints designed for low temperature applications for standard-conform petroleum based products, e.g. diesel, heating oil up to +90°C, aviation fuels, petroleum up to +60°C and gasoline up to +40°C. Temperature range (depending on medium) -40°C up to +90°C, temporarily up to +100°C. Electrically dissipative.

Liner : NBR (nitrile), seamless, abrasion resistant
 Reinforcement : PA textile cord
 Cover : Chloroprene CR
 Marking : Yellow band with white 'LT' print, ERV DN.,
 : PN 16, production date
 Flanges ¹⁾ : Swivelling, DIN PN 10/16, carbon steel,
 : zinc plated



¹⁾ Examples. Other flange standards and materials see catalogue pages 461 – 464.

²⁾ For rubber expansion joints DN 25 bellows DN 32 are used.

• Range of Movement Type ERV-G LT

ERV-G LT		Installation Length		Allowable static range of movement in service with usage of collar flanges up to +50°C *)			
		EL min. [mm]	EL max. [mm]	axial		lateral	angular
Length BL [mm]	Bellow Size DN [mm]			L min. [mm]	L max. [mm]	l [mm]	α
130	25 – 80	120	135	100	150	± 30	± 30
	100 – 150	120	135	100	150	± 30	± 20
	200	115	140	105	160	± 30	± 10
	250 – 300	125	140	120	160	± 15	± 5

*) **Please note:** Data not valid for *combined* movements. For calculation hints see page 475. Please contact our sales team.

• Permissible Vacuum [mbar]

DN	32	40	50	65	80	100	125	150	200	250	300	350	400	500	600	700	800	900	1000
without VSD/VSR	max.	max.	max.	-700	-600	-400	-300	-300	-300	-200	-100								
with VSD			max.	max.	max.	max.	max.	max.	-600	-400	-200								
with VSR							max.	max.	max.	max.	max.								

Data measured at room temperature with new expansion joints in standard length and non swelling media. For swelling media use a safety factor. A compressed installation improves the vacuum resistance listed in the table above. The maximum permissible elongation (L max.) reduces the vacuum resistance by 50%. For this case we recommend to use vacuum support spirals or vacuum support rings (see catalogue page 468).

Dependencies of overpressure, range of movement and temperature please see table on catalogue page 404.

• Approvals

These certificates for type **ERV-G LT** can be downloaded from elaflex.de/en/certificates



/ Overview of all certificates on catalogue page 472