

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		
2,0	15	1"	25	25	115	85	4 x 14	130	ERV-OR 25.25 ²⁾
3,0	15	1¼"	32		140	100	4 x 18		ERV-OR 32.25
3,5	20	1½"	40		150	110			ERV-OR 40.25
5,0	30	2"	50		165	125	ERV-OR 50.25		
6,0	50	2½"	65		185	145	8 x 18		ERV-OR 65.25
7,5	85	3"	80		200	160			ERV-OR 80.25
10,0	125	4"	100		235	190	8 x 22		ERV-OR 100.25
12,0	185	5"	125		270	220	8 x 26		ERV-OR 125.25
16,0	250	6"	150		300	250	8 x 26		ERV-OR 150.25 ^{*)}
21,6	400	8"	200		360	310	12 x 26		ERV-OR 200.25 ^{*)}

*)

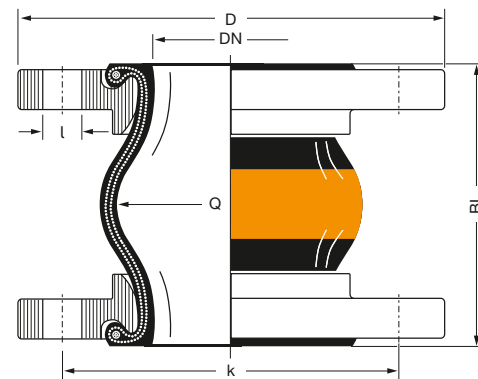
According to Pressure Equipment Directive (PED) 2014/68/EU, Category III, see page 484.



Type
ERV-OR

ORANGE BAND expansion joints for Liquid Petroleum Gas (LPG) to EN 589. For tank trucks and refuelling stations. Temperature range (depending on medium) -20°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 : Orange band, ERV DN ..., PN 25,
 : production date
 Flanges ¹⁾ : Swivelling, DIN 2635/PN 40 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-OR**

ERV-OR		Installation Length		Allowable static range of movement in service with usage of collar flanges up to +50°C *)			
		EL min. [mm]	EL max. [mm]	L min. [mm]	L max. [mm]	l [mm]	α
Length BL [mm]	Bellow Size DN [mm]			axial		lateral	angular
130	25 – 200	120	135	105	160	± 25	± 20

*) **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
ohne/without VSD/VSR	max.	max.	max.	max.	max.	max.	max.	max.	700										
mit/with VSD			max.	max.	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-OR** can be downloaded from elaflex.de/en/certificates



/ Overview of all certificates on catalogue page 472