

TECHNICKÉ ZMENY VYHRADENÉ · TLAČ A VÝROBA KÓPIÍ LEN S NAŠIM SÚHLASOM · Specifications subject to change without notice · Copyright ELAFLEX

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| SKUPINA<br><br>4<br><br>Section | Hmot-<br>nosť<br><i>Weight</i><br><br>≈ kg | Efekt.<br>prierez<br><i>Effect.<br/>Area</i><br><br>Q[cm²] | Veľkosť<br>telesá<br><i>Size<br/>DN</i><br><br>inch   mm |     | PN<br><i>Teleso<br/>Bellow</i><br><br>bar | Rozmer prírub <sup>1)</sup><br>[mm]<br><i>Flanges <sup>1)</sup><br/>Measurements [mm]</i><br><br>D   k   n x l |     |         | Výrob.<br>dĺžka<br><i>Length<br/>[mm]</i><br><br>BL | Objednacie<br>číslo <sup>1)</sup><br><i>Part <sup>1)</sup><br/>Number</i><br><br>Type |  |  |
|---------------------------------|--------------------------------------------|------------------------------------------------------------|----------------------------------------------------------|-----|-------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----|---------|-----------------------------------------------------|---------------------------------------------------------------------------------------|--|--|
|                                 | 1,9                                        | 15                                                         | 1"                                                       | 25  | 16                                        | 115                                                                                                            | 85  | 4 x 14  | 130                                                 | ERV-G LT 25.16 <sup>2)</sup>                                                          |  |  |
|                                 | 3,4                                        | 15                                                         | 1 ¼"                                                     | 32  |                                           | 140                                                                                                            | 100 | 4 x 18  |                                                     | ERV-G LT 32.16                                                                        |  |  |
|                                 | 4,0                                        | 20                                                         | 1 ½"                                                     | 40  |                                           | 150                                                                                                            | 110 |         |                                                     | ERV-G LT 40.16                                                                        |  |  |
|                                 | 4,6                                        | 30                                                         | 2"                                                       | 50  |                                           | 165                                                                                                            | 125 |         |                                                     | ERV-G LT 50.16                                                                        |  |  |
|                                 | 5,3                                        | 50                                                         | 2 ½"                                                     | 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 |         |                                                     | ERV-G LT 125.16                                                                       |  |  |
|                                 | 12,3                                       | 250                                                        | 6"                                                       | 150 |                                           | 285                                                                                                            | 240 | 8 x 22  |                                                     | ERV-G LT 150.16                                                                       |  |  |
|                                 | 16,5                                       | 400                                                        | 8"                                                       | 200 |                                           | 340                                                                                                            | 295 |         |                                                     | ERV-G LT 200.10                                                                       |  |  |
|                                 | 21,6                                       | 600                                                        | 10"                                                      | 250 |                                           | 395                                                                                                            | 350 | 12 x 22 |                                                     | ERV-G LT 250.10                                                                       |  |  |
|                                 | 29,3                                       | 800                                                        | 12"                                                      | 300 |                                           | 445                                                                                                            | 400 |         |                                                     | ERV-G LT 300.10                                                                       |  |  |
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|                                 |                                            |                                                            |                                                          |     |                                           |                                                                                                                |     |         |                                                     |                                                                                       |  |  |



**GELBRING LT**-gumové kompenzátory pre veľmi chladné aplikácie, na použitie pre produkty z minerálnych olejov, naftu, vykurovací olej do +90°C, letecké palivo JET A1, kerosín, petrolej do +60°C, automobilové benzíny do +40°C.

Pracovná teplota (v závislosti od média) -40°C až +90°C, krátkodobá až +100°C. Elektricky vodivý.

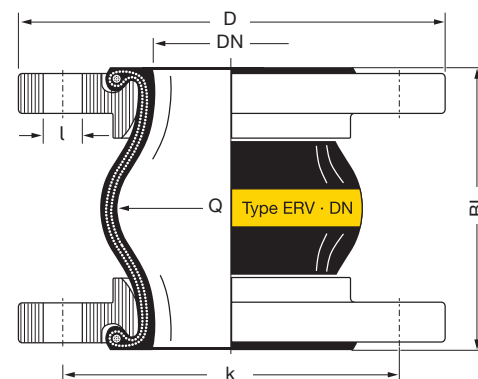
Vnútro : NBR (Nitril), bezošvý, oteruvzdorný  
Výstuž : PA-textilný kord  
Povrch : CR (Chloropren)  
Značenie : žltý pruh s bielou potlačou LT,  
ERV DN/PN, dátum výroby  
Prírubby : otočné, DIN PN 10/16, galvanicky pozinkované

Typ  
ERV-G LT



**YELLOW BAND LT** expansion joints designed for low temperature applications for petroleum based products, diesel, heating oil up to +90°C, aviation fuel JET A1, kerosene, petroleum up to +60°C and gasoline up to +40°C. Temperature (depending on medium) range -40°C up to +90°C, temporarily up to +100°C. Electrically conductive.

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



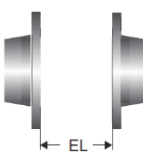
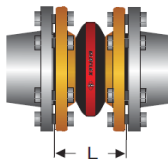
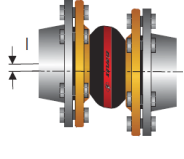
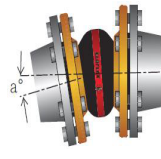
<sup>1)</sup> Príklad objednania. Iné prírubové normy a materiály - vid' str. 461 - 464.

<sup>2)</sup> Pre kompenzátory DN 25 sú použité telesá DN 32.

<sup>1)</sup> Examples. Other flange standards and materials see catalogue pages 461 - 464.

<sup>2)</sup> For rubber expansion joints DN 25 bellows DN 32 are used.

## Povolené pohyby kompenzátorov typu ERV-G LT · Range of Movement Type ERV-G LT

| ERV-G LT        |                        |  |                 | Hodnoty povolených statických pohybov v pracovnom stave pre teploty do + 50°C pri použití originálnych prírub s límcem<br>Allowable static range of movement in service with usage of collar flanges up to 50°C |                |                                                                                    |                                                                                     |
|-----------------|------------------------|-----------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Dĺžka<br>Length | Vlnovec<br>Bellow Size | Mont. dĺžka<br>Installation Length                                                |                 |                                                                                                                                |                |  |  |
| BL<br>[mm]      | DN<br>[mm]             | EL min.<br>[mm]                                                                   | EL max.<br>[mm] | L min.<br>[mm]                                                                                                                                                                                                  | L max.<br>[mm] | l<br>[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                                                                                 |

## Povolený pracovný podtlak - Permissable vacuum [kPa]

| DN                    | 32   | 40   | 50   | 65   | 80   | 100  | 125  | 150  | 200  | 250  | 300  | 350 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|
| bez / without VSD/VSR | max. | max. | max. | - 75 | -60  | -40  | -30  | -30  | -30  | -20  | -10  |     |     |     |     |     |     |     |      |
| s / with VSD          |      |      | max. | max. | max. | max. | max. | max. | -60  | -40  | -20  |     |     |     |     |     |     |     |      |
| s / with VSR          |      |      |      |      |      |      | max. | max. | max. | max. | max. |     |     |     |     |     |     |     |      |

Uvedené dáta boli namerané na nových kompenzátoroch so štandardnou dĺžkou pri izbovej teplote, pri použití média nespôsobujúceho bobtnanie gumového telesa. Pri médiach spôsobujúcich deštrukciu gumového telesa je potrebné použiť bezpečnostný faktor. Inštalácia kompenzátorov stlačených na povolené hodnoty ( $EL_{min}$ ) zlepšuje vákuovú odolnosť telesa. Maximálne hodnoty ( $EL_{max}$ ) znižujú vákuovú odolnosť telesa o 50%. V tomto prípade doporučujeme použitie vákuovej výstužnej špirály (VSD) alebo vákuových krúžkov (VSR, VSRV) - viď katalóg str. 468.

Vzájomné závislosti tlakov, pohybov a teplôt nájdete v našom katalógu na str. 404.

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 in the table listed vacuum resistance. 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.

## Osvedčenia - Approvals

Tieto certifikáty pre typ **ERV-G LT** si môžete stiahnuť zo stránky [www.elaflex.de/zertifikate/](http://www.elaflex.de/zertifikate/)