



## Chemistry

Acids, Mineral acids, Alkalis, Aggressive media, Hot oils

# ERV-GR GREEN BAND

## Properties

- Expansion joints for chemicals, acids, alkalis and aggressive chemical waste water
- For oil-contaminated compressed air up to +90°C
- Temperature range (depending on medium) -20°C up to +100°C, temporarily up to 110°C
- Electrically non-conductive



## Code - E2G....

**Liner** - Hypalon (CSM), seamless, high abrasion resistance

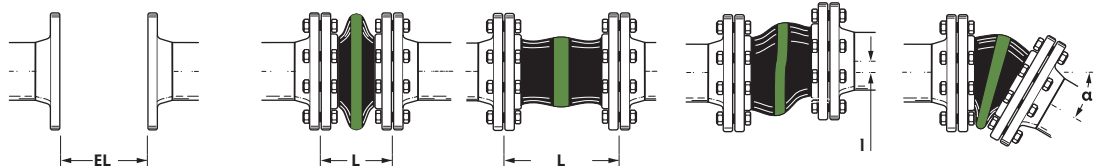
**Reinforcement** - PA textile cord

**Cover** - Hypalon (CSM)

**Marking** - Green band, ERV DN... , PN... , production date

**Flanges** - Swiveling, PN 10/16, carbon steel, zinc plated

## ALLOWABLE STATIC RANGE OF MOVEMENT IN SERVICE WITH USAGE OF COLLAR FLANGES UP TO 50° C



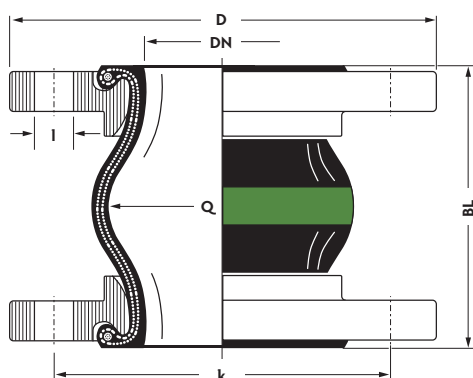
| ERV-R  |           | EL                  |     | L     |     | I       | α°      |
|--------|-----------|---------------------|-----|-------|-----|---------|---------|
| Length | Ø BELLOW  | INSTALLATION LENGHT |     | AXIAL |     | LATERAL | ANGULAR |
|        |           | min                 | max | min   | max | ± mm    | ± α°    |
| 130    | 25 – 80   | 120                 | 135 | 100   | 150 | ± 30    | ± 30    |
|        | 100 – 150 | 120                 | 135 | 100   | 150 | ± 30    | ± 20    |
|        | 250 – 300 | 115                 | 140 | 105   | 160 | ± 30    | ± 10    |
|        | 300 – 350 | 125                 | 140 | 120   | 160 | ± 15    | ± 5     |
| 200    | 400 – 600 | 190                 | 210 | 160   | 235 | ± 30    | ± 8     |



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**PRESSURE/TEMPERATURE  
RATING CORRECTION CHART**

working temperature

50°C 70°C 100°C

allowed movements  
depending on temperature

100% 80% 60%

working pressure  
depending on temperature

|       |        |        |        |
|-------|--------|--------|--------|
| PN 10 | 10 Bar | 8 Bar  | 6 Bar  |
| PN 16 | 16 Bar | 12 Bar | 10 Bar |
| PN 25 | --     | --     | --     |

| DN<br>diameter |     | Q<br>area | D   | k Ø<br>flanges | l Ø     | PN<br>bellow | BL<br>length |
|----------------|-----|-----------|-----|----------------|---------|--------------|--------------|
| inches         | mm  | cm²       | mm  | mm             | mm      | bar          | mm           |
| 1"             | 25  | 15        | 115 | 85             | 4 x 14  | 16           | 130          |
| 1¼"            | 32  | 15        | 140 | 100            | 4 x 18  |              |              |
| 1½"            | 40  | 20        | 150 | 110            |         |              |              |
| 2"             | 50  | 30        | 165 | 125            |         |              |              |
| 2½"            | 65  | 50        | 185 | 145            |         |              |              |
| 3"             | 80  | 85        | 200 | 160            | 8 x 18  |              |              |
| 4"             | 100 | 125       | 220 | 180            |         |              |              |
| 5"             | 125 | 185       | 250 | 210            | 8 x 22  |              |              |
| 6"             | 150 | 250       | 285 | 240            |         |              |              |
| 8"             | 200 | 400       | 340 | 295            | 12 x 22 |              |              |
| 10"            | 250 | 600       | 395 | 350            |         |              |              |
| 12"            | 300 | 800       | 445 | 400            |         | 12 x 22      |              |
| 14"            | 350 | 1000      | 505 | 460            |         |              |              |
| 16"            | 400 | 1375      | 565 | 515            | 16 x 26 |              |              |
| 20"            | 500 | 2185      | 670 | 620            |         | 20 x 26      |              |
| 24"            | 600 | 3080      | 780 | 725            | 20 x 30 |              | 10           |



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