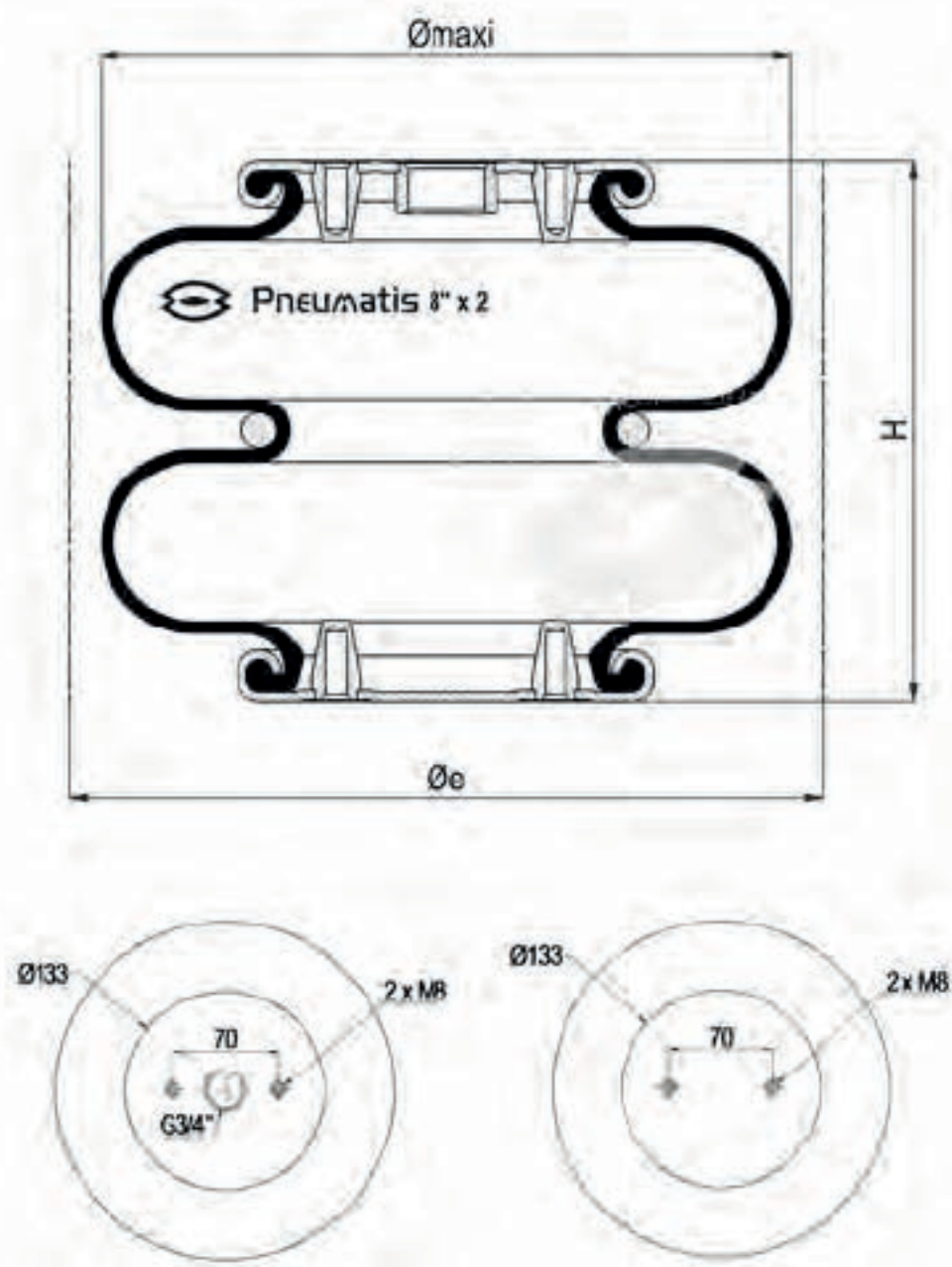


Crimped bellow 8" x 2 (HT°)

DBS082002/E

INDUSTRY



Technical characteristics

| | |
|--------------------------|--------|
| Maximum pressure | 8 bar |
| Burst pressure | 32 bar |
| Maximum angular capacity | 10° |
| Maximum out of alignment | 10 mm |

| | |
|---------------------------------|---------------------|
| Static diameter | 220 mm |
| Maximum diameter | 220 mm |
| Minimum overall diameter (Øe) | 240 mm |
| Minimum height | 80 mm |
| Static height (H) | 175 mm |
| Maximum height | 265 mm |
| Maximum recommended height | 250 mm |
| Total stroke | 185 mm |
| Effective area at static height | 174 cm ² |
| Stiffness at 4 bar | 10,81 daN/mm |
| Natural frequency at 4 bar | 1,96 Hz |
| Weight | 2,30 kg |

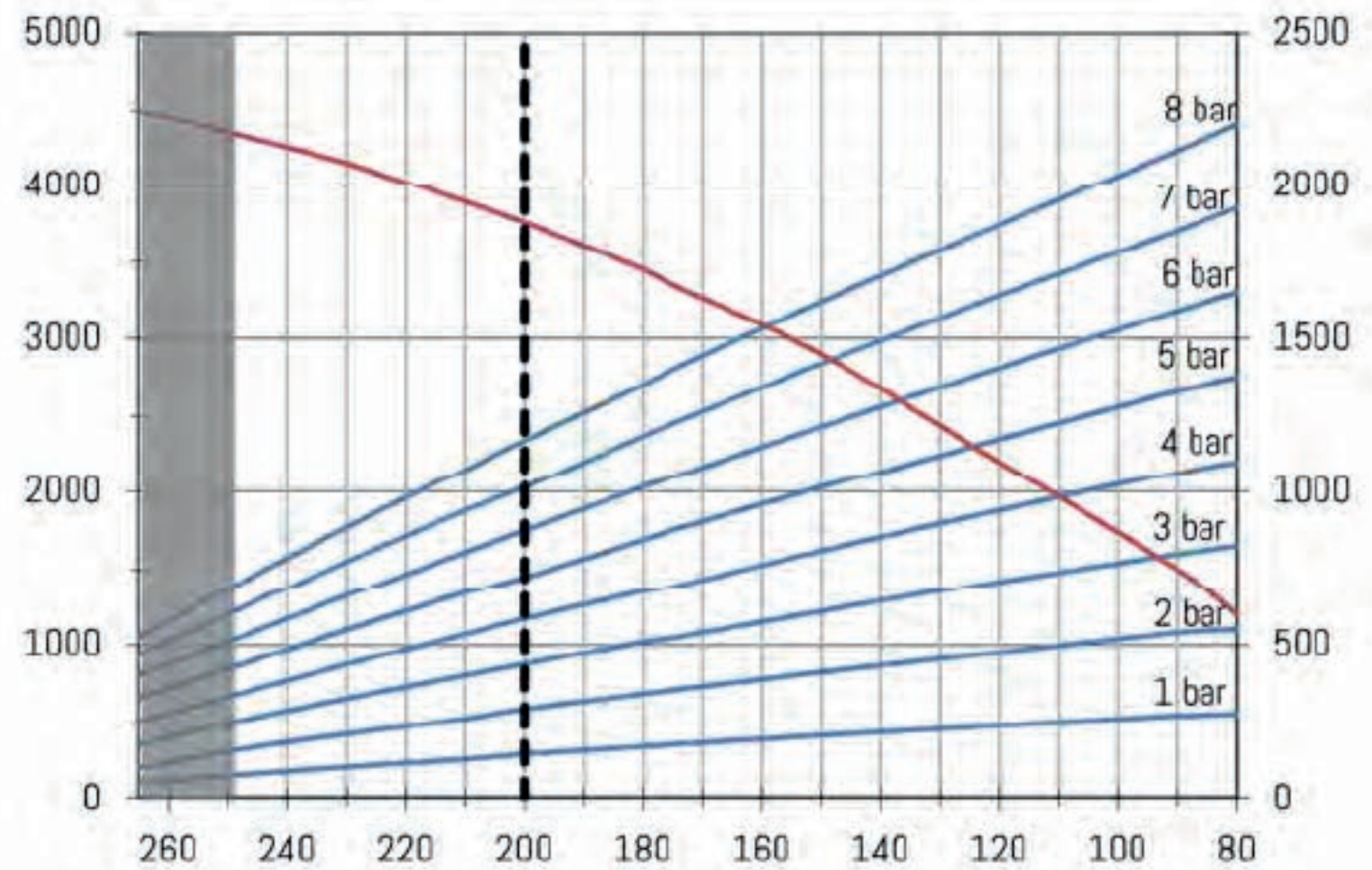
Dynamic characteristics at H = 200 mm*

| Pressure | 2 bar | 4 bar | 6 bar |
|---------------------------|-------|-------|-------|
| Load (daN) | 290 | 580 | 875 |
| Volume (dm ³) | 3,65 | 3,70 | 3,76 |
| Stiffness (daN/mm) | 4,9 | 8,73 | 12,51 |
| Natural frequency (Hz) | 2,06 | 1,93 | 1,89 |
| Isolation rate at 10Hz % | 95,6 | 96,1 | 96,3 |

* Recommended height for better isolation

Volume in cm³

Load in daN



— Volume
- - - H Isolation

Temperatures

| | | |
|-----------|----------------------|------------------------|
| Epichlore | -20°C (-30°C static) | +115°C (+120°C static) |
|-----------|----------------------|------------------------|

References

| | |
|-------------|---|
| DBS082002/E | Crimped bellow 2 convolutes Epichlore 8" x 2 air inlet G ^{3/4} centered |
|-------------|---|

Characteristics in static condition (daN)

| Height | 2 bar | 3 bar | 4 bar | 5 bar | 6 bar | 7 bar | 8 bar | Vol 6 bar |
|--------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| 80 mm | 550 | 825 | 1100 | 1375 | 1650 | 1925 | 2200 | 1210 cm ³ |
| 90 mm | 540 | 800 | 1065 | 1330 | 1590 | 1850 | 2115 | 1480 cm ³ |
| 120 mm | 475 | 710 | 940 | 1175 | 1405 | 1640 | 1870 | 2230 cm ³ |
| 150 mm | 410 | 610 | 810 | 1015 | 1215 | 1420 | 1620 | 2885 cm ³ |
| 175 mm | 352 | 523 | 693 | 877 | 1050 | 1225 | 1400 | 3350 cm ³ |
| 180 mm | 340 | 510 | 675 | 845 | 1015 | 1185 | 1350 | 3440 cm ³ |
| 200 mm | 291 | 436 | 585 | 723 | 875 | 1014 | 1170 | 3755 cm ³ |
| 210 mm | 260 | 400 | 535 | 670 | 805 | 940 | 1075 | 3900 cm ³ |
| 230 mm | 210 | 325 | 435 | 550 | 660 | 775 | 885 | 4150 cm ³ |
| 250 mm | 155 | 245 | 330 | 420 | 510 | 600 | 685 | 4360 cm ³ |
| 265 mm | 100 | 175 | 250 | 325 | 400 | 465 | 525 | 4495 cm ³ |

Mounting instructions

Fastening torque M8 x 1,25 : 25 Nm

Indicative value of force to reach the minimum height at atmospheric pressure is 11 daN.