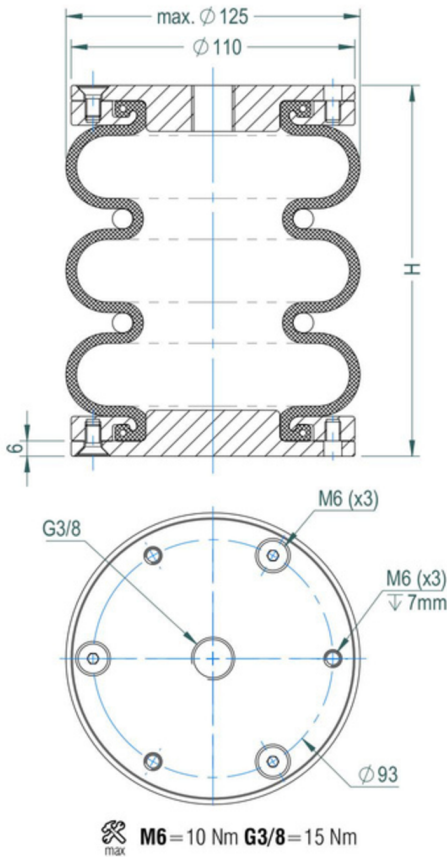


D SERIES
Dismountable Design

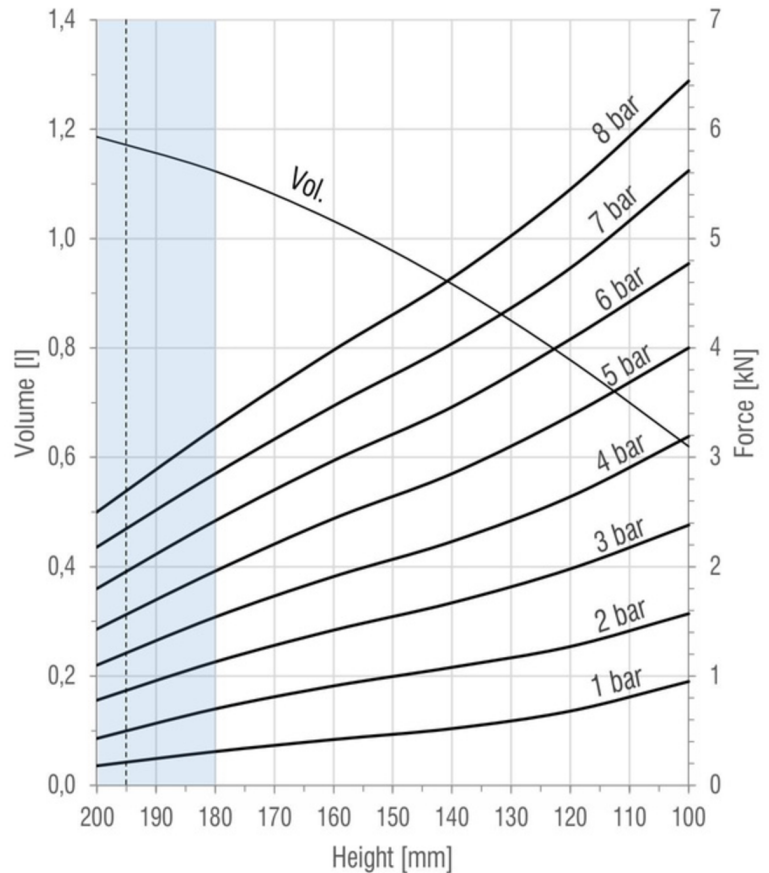
TVB-B23

TRIPLE
CONVOLUTION

DRAWING



FORCE-HEIGHT CHART



TECHNICAL DATA

PRODUCT CHARACTERISTICS

| | |
|---|-----|
| Static diameter [mm] | 114 |
| Max. diameter [mm] | 125 |
| Required space diameter [mm] | 140 |
| Min. height [mm] | 100 |
| Static height [mm] | 145 |
| Design height [mm] | 195 |
| Max. usable height [mm] | 180 |
| Max. stroke [mm] | 80 |
| Force to compress to H_{min} at 0 bar [N] | 100 |
| Weight [kg] | 1,1 |

REFERENCES

| | |
|-------|-----------------------------|
| 4x3_B | Rubber bellows only |
| 4x3_D | With aluminium end closures |

Designs available with stainless steel and high temperature rubber compounds. Additional designs on request.

DYNAMIC CHARACTERISTICS FOR USE AS ISOLATOR

| Pressure [bar] | 3 | 4 | 5 | 6 | 7 | Vol. [l] |
|-------------------------|-------|-------|-------|-------|-------|----------|
| Load [kN] | 0,85 | 1,22 | 1,60 | 1,98 | 2,37 | 1,17 |
| Spring rate [N/mm] | 193 | 254 | 310 | 366 | 417 | |
| Natural frequency [Hz] | 2,12 | 2,03 | 1,99 | 1,95 | 1,91 | |
| Isolation rate at 10 Hz | 95,3% | 95,7% | 95,9% | 96,0% | 96,2% | |

Values at recommended design height H : 195 mm - - - -

STATIC CHARACTERISTICS FOR USE AS ACTUATOR

| Pressure [bar] | 3 | 4 | 5 | 6 | 7 | Vol. [l] | |
|-----------------|-----|------|------|------|------|----------|------|
| Height H [mm] | 100 | 2,38 | 3,19 | 4,00 | 4,77 | 5,62 | 0,62 |
| | 120 | 1,98 | 2,64 | 3,38 | 4,08 | 4,73 | 0,78 |
| | 140 | 1,67 | 2,23 | 2,85 | 3,46 | 4,04 | 0,92 |
| | 160 | 1,42 | 1,91 | 2,44 | 2,97 | 3,47 | 1,03 |
| | 180 | 1,13 | 1,54 | 1,96 | 2,42 | 2,85 | 1,12 |
| | 200 | 0,78 | 1,10 | 1,43 | 1,80 | 2,15 | 1,19 |

Force values [kN]

All Volume [l] values at 7 bar

⚠ Special guides are required when used as isolators due to lateral instability.