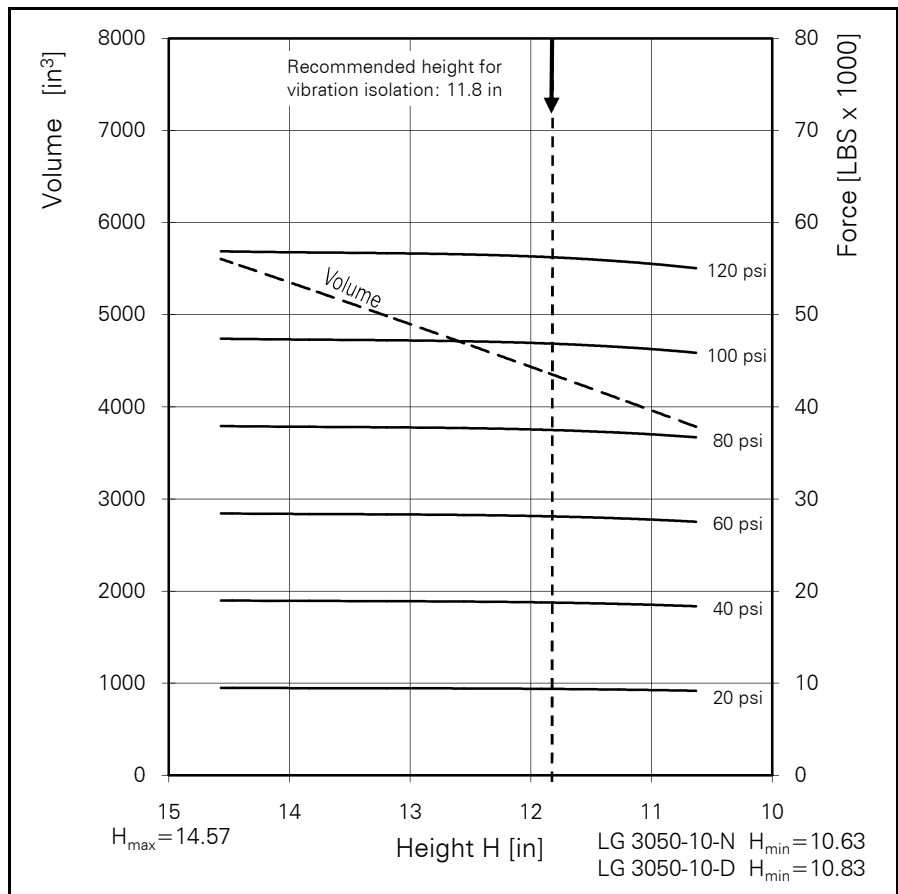
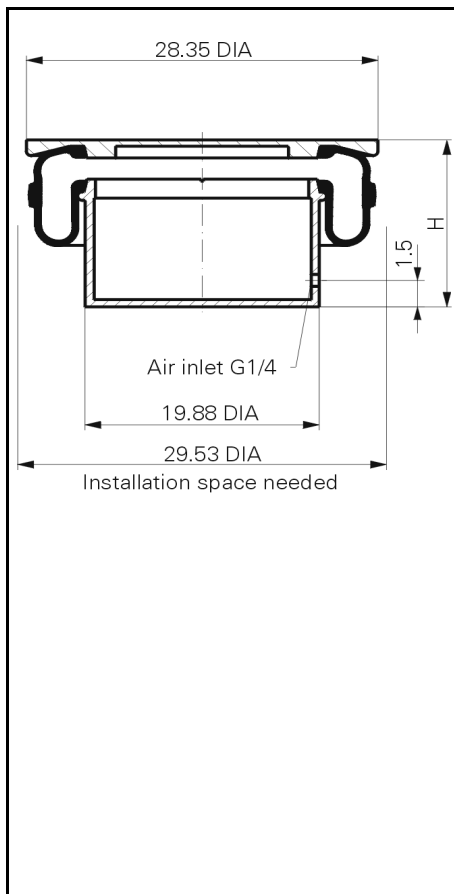


LG 3050-10

CONTI® Belted Air Spring



LG 3050-10

Force-height diagram

Purchase order data

| Type | Order No. |
|---|-----------|
| Type LG 3050-10-N with G 1/4" air inlet | 60998 |
| Type LG 3050-10-D with air-based damping, with G 1/4" air inlet | 60149 |

Additional types on request

Technical data

| | |
|------------------------------------|-----------|
| Min. pressure | 0 psi |
| Return force to min. height | ≤ 360 lbs |
| Overall weight with clamped plates | 180 lbs |

Vibration isolation - dynamic characteristic values

Design height H: recommended 11.8 inch

| Pressure p | [psi] | 40 | 60 | 80 | 100 | 120 | Vol. V [in ³] |
|-----------------------|----------|-------|-------|-------|-------|-------|---------------------------|
| Force (Load) | [lbs] | 18730 | 28100 | 37460 | 46830 | 56200 | 4357 |
| Spring rate axial | [lbs/in] | 4304 | 5846 | 7244 | 7874 | 9035 | |
| Natural freq. axial | [Hz] | 1.4 | 1.4 | 1.3 | 1.3 | 1.3 | |
| Spring rate lateral | [lbs/in] | 2625 | 3720 | 4598 | 5184 | 5602 | |
| Natural freq. lateral | [Hz] | 1.2 | 1.2 | 1.1 | 1.1 | 1.0 | |

Type LG 3050-10-D with integrated air damping D ~ 0.12

Pneumatic application - static characteristic values

Force F [lbs]

| Pressure p | [psi] | 20 | 40 | 60 | 80 | 100 | 120 | Vol [in ³] |
|---------------|-------|------|-------|-------|-------|-------|-------|------------------------|
| Height H [in] | 13 | 9430 | 18870 | 28300 | 37730 | 47170 | 56600 | 4885 |
| | 12 | 9420 | 18840 | 28270 | 37690 | 47110 | 56530 | 4668 |
| | 11 | 9380 | 18750 | 28130 | 37510 | 46890 | 56260 | 4465 |



Service instructions
G 1/4" = 12-15 LBxFT