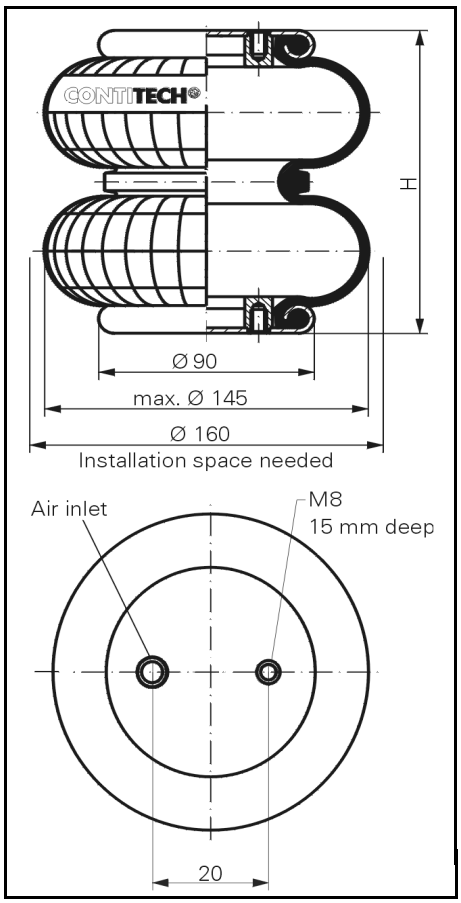
FD 40-10 CI CONTI® Double Convolution Air Spring



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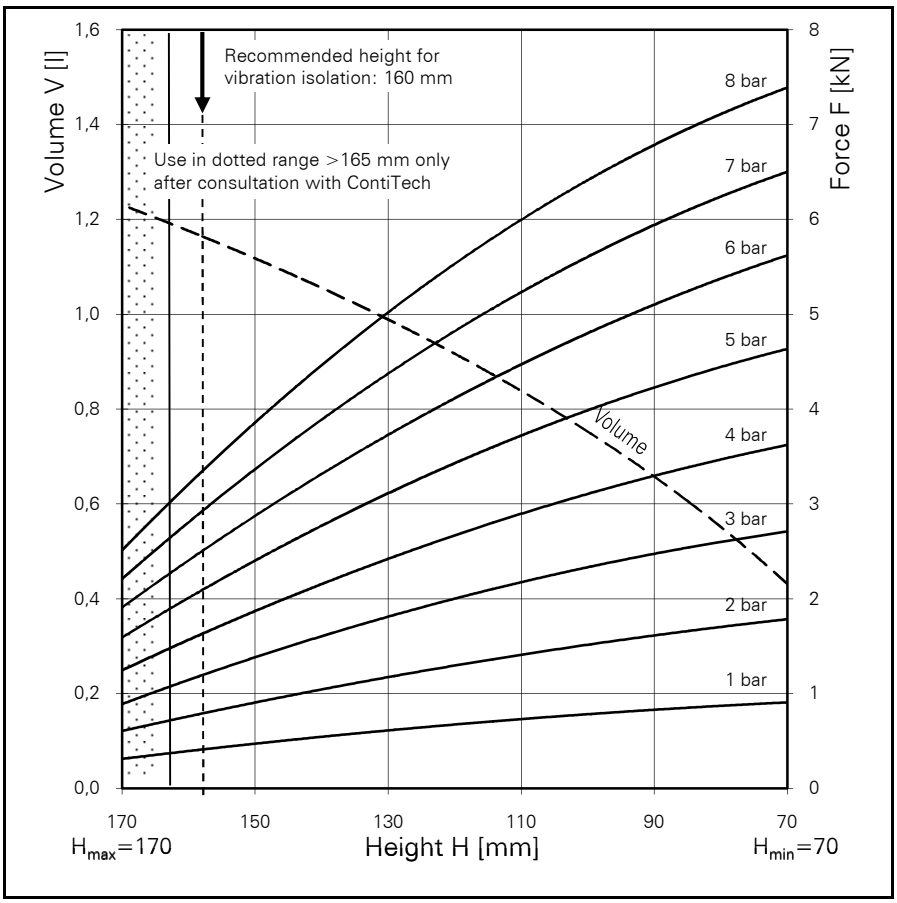

Force-height diagram

Purchase order data

Type	Order No.
Rubber bellows only	60457
With clamped plates G 1/8 air inlet	2682 001 000
With stainless steel clamped plates G 1/8 air inlet	61755

Additional types on request

Service instructions
M8 = 25 Nm
G 1/8 = 25 Nm

Technical data

Min. pressure	0 bar
Return force to min. height	≤ 200 N
Overall weight with clamped plates	1.1 kg

Vibration isolation - dynamic characteristic values

Design height H: recommended 160mm, minimum 150mm

Pressure p	[bar]	3	4	5	6	7	8	Vol.[l]
Force (Load)	[KN]	1.1	1.5	2.0	2.4	2.8	3.2	1.2
Spring rate	[N/cm]	340	450	580	700	825	950	
Natural frequency	[Hz]	2.8	2.8	2.7	2.7	2.7	2.7	

Pneumatic application - static characteristic values

Force F [kN]

Pressure p	[bar]	3	4	5	6	7	8	Vol.[l]
Height H [mm]	160	1.1	1.6	2.0	2.4	2.8	3.2	1.2
	140	1.6	2.2	2.8	3.3	3.9	4.5	1.1
	120	2.0	2.7	3.4	4.1	4.8	5.5	0.9
	100	2.3	3.1	4.0	4.8	5.6	6.4	0.7
	80	2.6	3.5	4.5	5.4	6.3	7.1	0.6

Measuring procedure: Room temperature / Force- height- data quasistatic / Dynamic data at 1 Hz