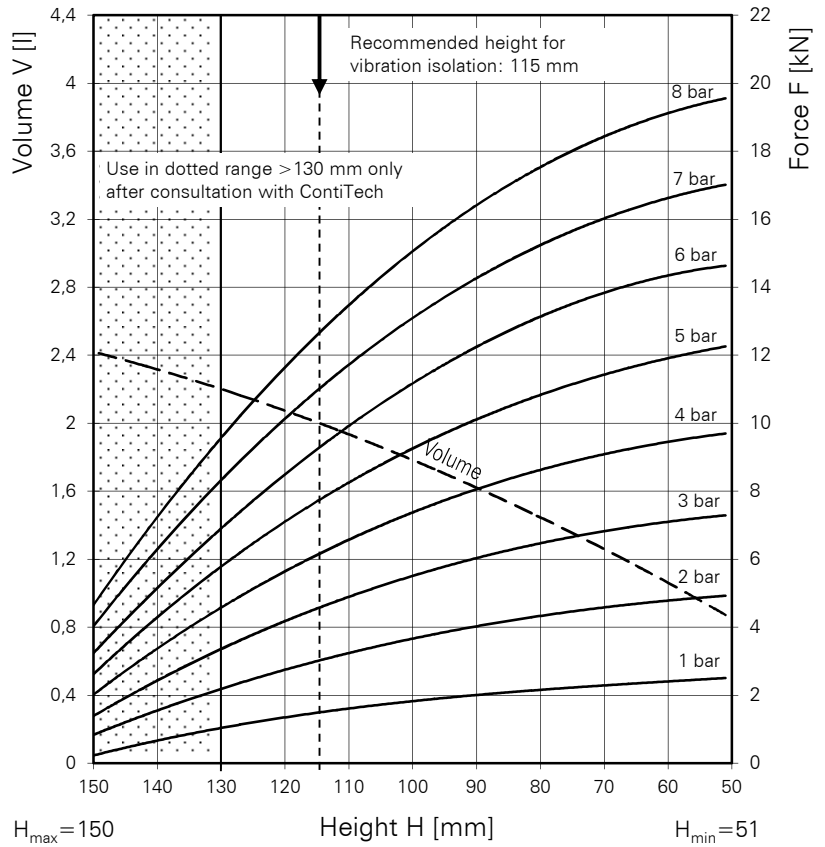
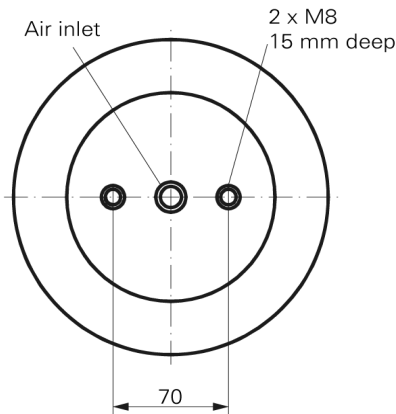
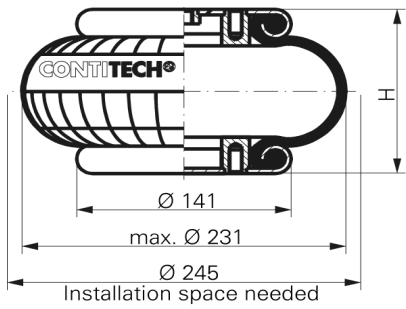


# FS 120-10 CI

# Single Convolution Air Spring


**Purchase order data**

Type	Order No.
Rubber bellows only	62828
With clamped plates G 1/4 air inlet	62404
With clamped plates G 3/4 air inlet	62313

Additional types on request

**Technical data**

Min. pressure	0 bar
Return force to min. height	≤ 200 N
Overall weight with clamped plates	1.9 kg

**Vibration isolation - dynamic characteristic values**

Design height H: recommended 115mm, minimum 100mm

Pressure p [bar]	3	4	5	6	7	8	Vol V [l]	
Force (Load) [kN]	4.8	6.6	8.2	9.9	11.6	13.3		2.0
Spring rate [N/cm]	1320	1700	2090	2420	2770	3160		
Natural frequency [Hz]	2.7	2.7	2.6	2.6	2.5	2.5		

**Pneumatic application - static characteristic values**

Force F [kN]

Pressure p [bar]	3	4	5	6	7	8	Vol.[l]		
Height H [mm]	120	4.2	5.6	7.2	8.4	10.2		11.7	2.1
	110	4.8	6.6	8.2	9.9	11.6		13.4	2.0
	100	5.6	7.4	9.2	11.2	13.1		15.0	1.8
	90	6.0	8.0	10.1	12.2	14.2		16.4	1.6
	80	6.5	8.6	10.9	13.2	15.3		17.6	1.4
	70	6.8	9.2	11.4	13.8	16.1		18.4	1.3
	60	7.1	9.4	12.0	14.4	16.6		19.2	1.1

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

 Service instructions  
 M 8 = 25 Nm  
 G 1/4 = 25 Nm