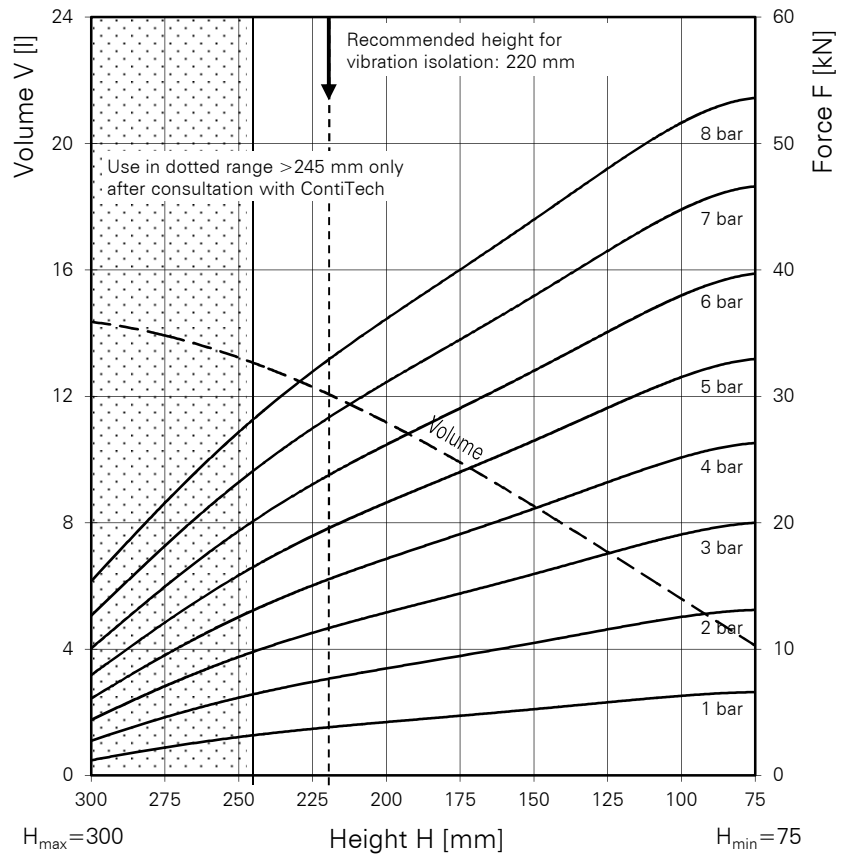
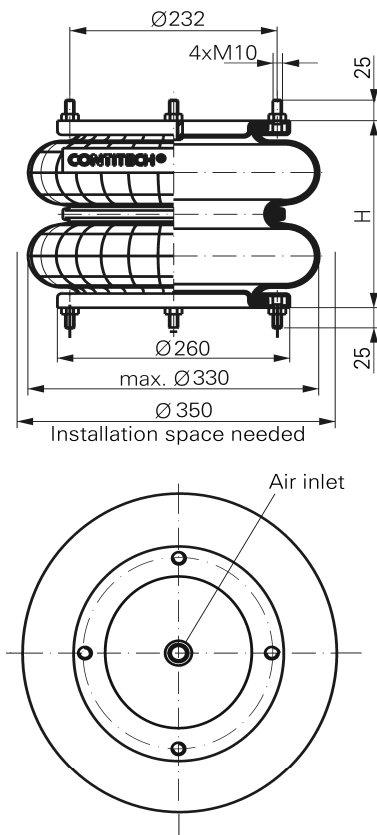


FD 412-18 DS

Double Convolution Air Spring



Purchase order data

Type	Order No.
Rubber bellows only	66318
With removable plates and G 1/2 air inlet	66334

Additional types on request

Technical data

Min. pressure	0 bar
Return force to min. height	≤ 250 N
Overall weight with metal plates	6.2 kg

Vibration isolation - dynamic characteristic values

Design height H: recommended 220mm, minimum 200mm

Pressure p [bar]	3	4	5	6	7	8	Vol V[l]	
Force (Load) [kN]	12.0	16.3	20.4	24.5	28.7	32.9		12.1
Spring rate [N/cm]	1550	2000	2440	2865	3310	3740		
Natural frequency [Hz]	1.8	1.8	1.7	1.7	1.7	1.7		

Pneumatic application - static characteristic values

Force F [kN]

Pressure p [bar]	3	4	5	6	7	8	Vol.[l]		
Height H [mm]	250	9.4	12.5	15.8	19.4	23.2		27.2	13.2
	200	12.9	17.2	21.6	26.2	31.2		36.1	11.2
	150	15.9	21.1	26.5	32.0	37.9		44.0	8.5
	100	19.1	25.2	31.5	38.0	44.8	51.6	5.6	



Service instructions
M10 = 25 Nm
G 1/2 = 25 Nm

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