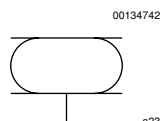


Rodless cylinders ▶ Bellow actuator

Series BCP

▶ standard version ▶ single ▶ Stroke: 34 - 109 mm



Version
Functional principle
Permissible angle of tilt max.
Working pressure min./max.
Ambient temperature min./max.
Medium
Pressure for determining forces

Bellow actuator with cover
Single-acting, retracted without pressure
15 °
0 bar / 8 bar
-40 °C / +70 °C
Compressed air
6 bar

Materials:
Bellow
Front cover
End cover

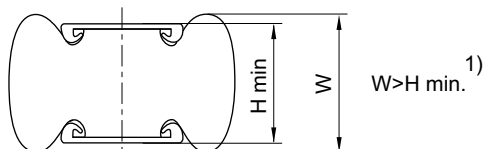
caoutchouc/butadiene caoutchouc
Steel, galvanized
Steel, galvanized

Technical Remarks

- Compliance with the minimum height H min. as well as the maximum height H max. must be ensured with end stops.
- Use at operating height $\geq H_{max}$: only permitted upon approval by AVENTICS
- For information on vibration insulators, see "Technical Information"
- reduced service life at a temperature greater than: 50 °C

Cover diameter	Compressed air connection G	Max. effective stroke	Min. radial installation space	Weight	Force min./max.	Fig.	Note	Part No.
[mm]		[mm]	[mm]	[kg]	[kN]			
90	G 1/8	50	160	1.2	2.5 - 5.5	Fig. 1	-	0822419001
108	G 1/4	34	165	1.2	3.5 - 6.9	Fig. 2	-	R412010198
		54	180		4.5 - 7.5			0822419002
114	G 1/4	79	225	1.4	4.3 - 10.9	Fig. 2	-	R412010199
141	G 3/4	75	230	2	6.1 - 13.6	Fig. 2	-	0822419003
		79	245	1.9	6.9 - 14.7		1)	1923061000
		107	250	1.9	7 - 14		1)	R412010197
161	G 3/4	74	265	2.3	9.3 - 17.3	Fig. 3	-	0822419004
228	G 3/4	89	340	3.9	19.4 - 33.3	Fig. 3	-	1933091000
287	G 3/4	104	400	5.9	26.1 - 50	Fig. 4	-	1938091000
		109	420	6.1	35.2 - 52.2		1)	2999636900

Comment



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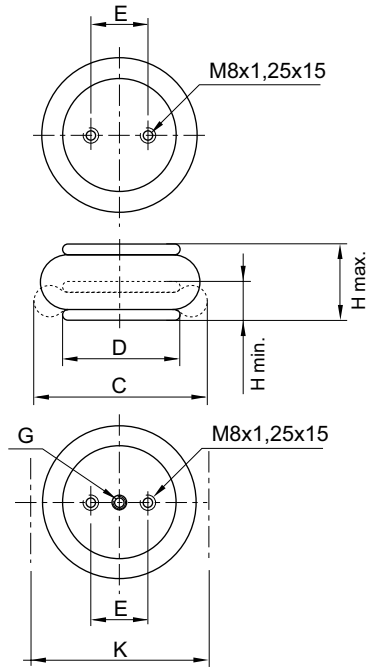
1) Once the minimum height H min. is reached, the bead height W can fall below the lower limit. If, for these products, level mounting surfaces greater than the cover diameter are selected, the return force and force output at the start of stroke increase. In the process, the rubber bellows is also compressed by the mounting surfaces. These products require more space upward, which can, in rare cases, present a hindrance. In any case, the specifications of the data sheets apply when using mounting surfaces in the size of the bellows actuator cover.

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Fig. 2



D190_053_b

Part No.	Compressed air connection G	H min. [mm]	H max. [mm]	C [mm]	D [mm]	E ±0,5 [mm]	K [mm]	Return force, min. [N]
R412010198	G 1/4	51	85	150	108	44.5	165	250
0822419002	G 1/4	51	105	165	108	44.5	180	200
R412010199	G 1/4	51	130	210	114	44.5	225	45
0822419003	G 3/4	50	125	215	141	70	230	200
1923061000	G 3/4	51	130	231	141	70	245	200
R412010197	G 3/4	51	158	235	141	70	250	200