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Series BCC

- triple
- Stroke 250 mm

Version	Bellow actuator with mounting ring and cover
Functional principle	Single-acting, retracted without pressure
Working pressure min./max.	0 ... 8 bar
Ambient temperature min./max.	See table
Medium	Compressed air
Permissible angle of tilt max.	30 °
Pressure for determining forces	6 bar
Weight	See table

Technical data

Part No.	Cover diameter	Compressed air connection	Max. effective stroke
		G	
R412020598	78 mm	G 1/4	50 mm
R412020599	110 mm	G 3/8	90 mm
R412019469	152,5 mm	G 1/2	160 mm
R412020600	153,5 mm	G 1/2	160 mm
R412020601	184 mm	G 1/2	205 mm
R412000012	210 mm	G 1/2	250 mm
R412020602	260 mm	G 1/2	250 mm
R412020603	310 mm	G 1/2	320 mm
R412020604	310 mm	G 1/2	355 mm

Part No.	Min. radial installation space	Feature	Ambient temperature min./max.
R412020598	95 mm	2 3/4x3	-30 ... 90 °C
R412020599	140 mm	4 1/2x3	-30 ... 90 °C
R412019469	195 mm	6x3	-30 ... 90 °C
R412020600	195 mm	6x3	-30 ... 90 °C
R412020601	245 mm	8x3	-40 ... 70 °C
R412000012	300 mm	10x3	-40 ... 70 °C
R412020602	350 mm	12x3	-40 ... 70 °C
R412020603	425 mm	14 1/2x3	-40 ... 70 °C
R412020604	455 mm	16x3	-40 ... 70 °C

Part No.	Material	Material	Force min./max.	Weight
	Bellow	Cap		
R412020598	Chloroprene rubber	Aluminum	900 ... 2050 N	0,55 kg
R412020599	Chloroprene rubber	Aluminum	2400 ... 5100 N	1,1 kg
R412019469	Chloroprene rubber	Aluminum	4000 ... 11000 N	2 kg
R412020600	Chloroprene rubber	Steel galvanized	3900 ... 11000 N	2,8 kg
R412020601	caoutchouc/butadiene caoutchouc	Steel galvanized	7500 ... 18000 N	4,2 kg

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Part No.	Material	Material	Force min./max.	Weight
	Bellow	Cap		
R412000012	caoutchouc/butadiene caoutchouc	Steel galvanized	12000 ... 26000 N	5,2 kg
R412020602	caoutchouc/butadiene caoutchouc	Steel galvanized	21000 ... 41000 N	6,9 kg
R412020603	caoutchouc/butadiene caoutchouc	Steel galvanized	25000 ... 59000 N	9,6 kg
R412020604	caoutchouc/butadiene caoutchouc	Steel galvanized	31000 ... 63000 N	10,4 kg

Part No.	Fig.
R412020598	Fig. 1
R412020599	Fig. 2
R412019469	Fig. 3
R412020600	Fig. 4
R412020601	Fig. 4
R412000012	Fig. 4
R412020602	Fig. 4
R412020603	Fig. 4
R412020604	Fig. 4

Technical information

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 ≥ Hmax: only permitted upon approval by AVENTICS
Further information on vibration isolation can be found in the “Technical information” document (available in the MediaCentre).
The bellow can be exchanged.

Technical information

Material	
Bellow	Chloroprene rubber caoutchouc/butadiene caoutchouc
Front cover	Aluminum Steel, galvanized
End cover	Aluminum Steel, galvanized

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Dimensions

bellow type

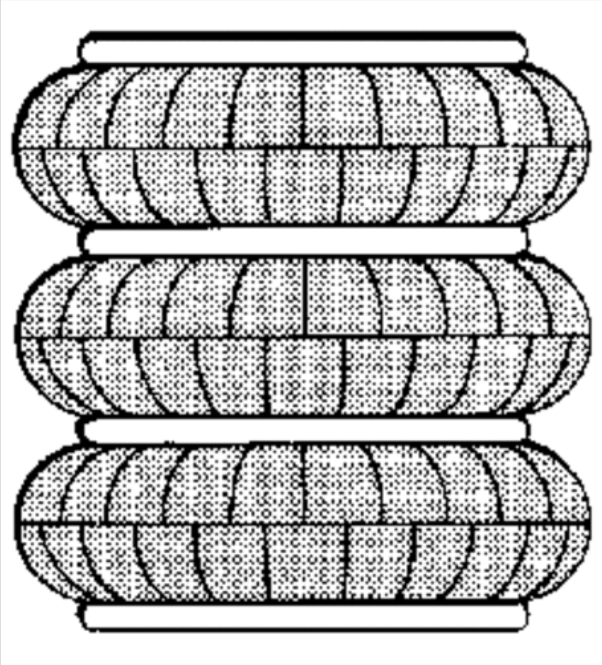
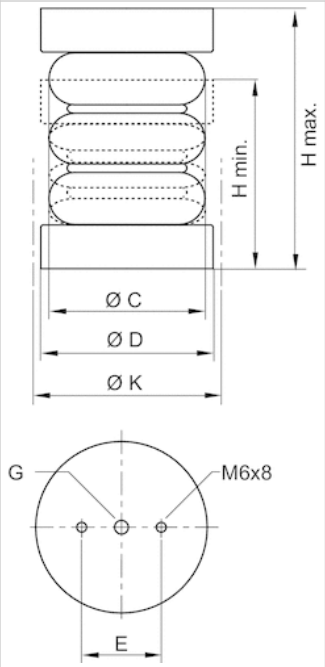


Fig. 1



Dimensions

Part No.	Compressed air connection G	H min. mm	H max. mm	C mm	D mm
R412020598	G 1/4	80 mm	130 mm	80 mm	78 mm

E ±0,5 [mm]	K mm	Return force, min. N
36	95 mm	100 N

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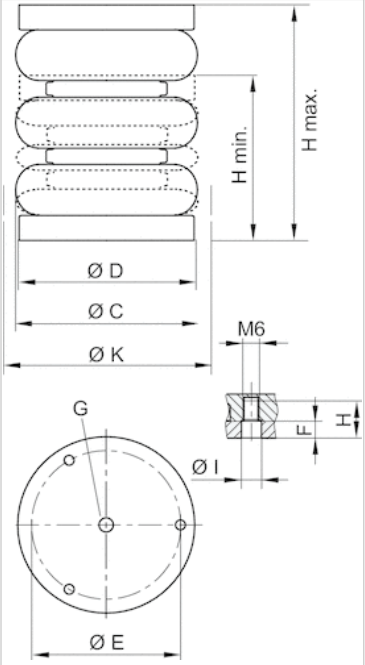
Dimensions

Fig. 2



Dimensions

Part No.	Compressed air connection G	H min. mm	H max. mm	C mm	D mm
R412020599	G 3/8	90 mm	180 mm	125 mm	110 mm

E ±0,5 [mm]	F	H	I	K mm	Return force, min. N
93	6	13	7	140 mm	100 N

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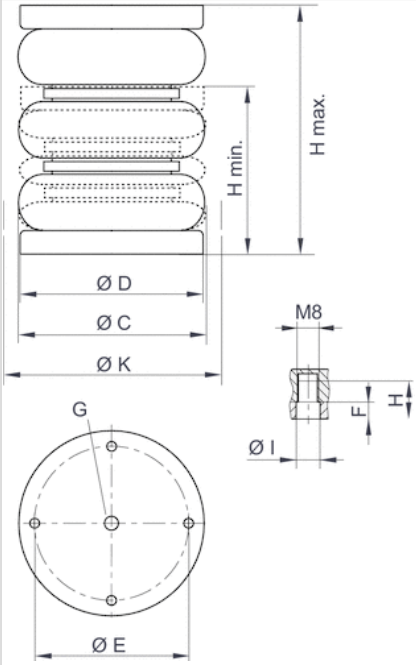
Dimensions

Fig. 3



Dimensions

Part No.	Compressed air connection G	H min. mm	H max. mm	C mm	D mm
R412019469	G 1/2	100 mm	260 mm	178 mm	152,5 mm

E ±0,5 [mm]	F	H	I	K mm	Return force, min. N
127	6	14.5	9	195 mm	250 N

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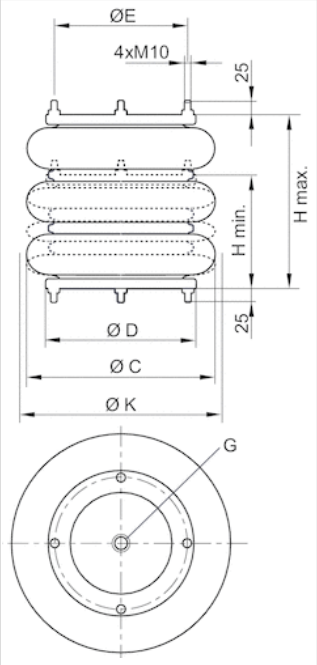
Dimensions

Fig. 4



Dimensions

Part No.	Compressed air connection G	H min. mm	H max. mm	C mm	D mm
R412020600	G 1/2	95 mm	255 mm	178 mm	153,5 mm
R412020601	G 1/2	100 mm	305 mm	230 mm	184 mm
R412000012	G 1/2	100 mm	350 mm	270 mm	210 mm
R412020602	G 1/2	100 mm	350 mm	330 mm	260 mm
R412020603	G 1/2	100 mm	420 mm	400 mm	310 mm
R412020604	G 1/2	120 mm	475 mm	430 mm	310 mm

E	K mm	Return force, min. N
127	195 mm	250 N
155.5	245 mm	350 N
181	300 mm	250 N
232	350 mm	250 N
282.5	425 mm	330 N
282.5	455 mm	100 N

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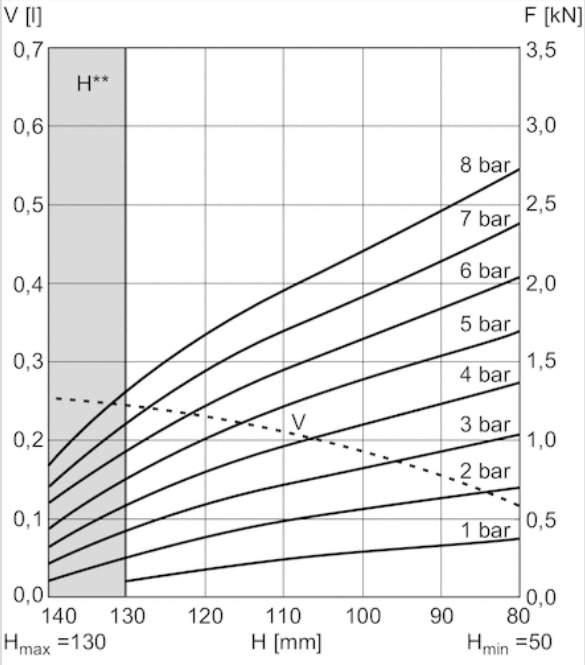
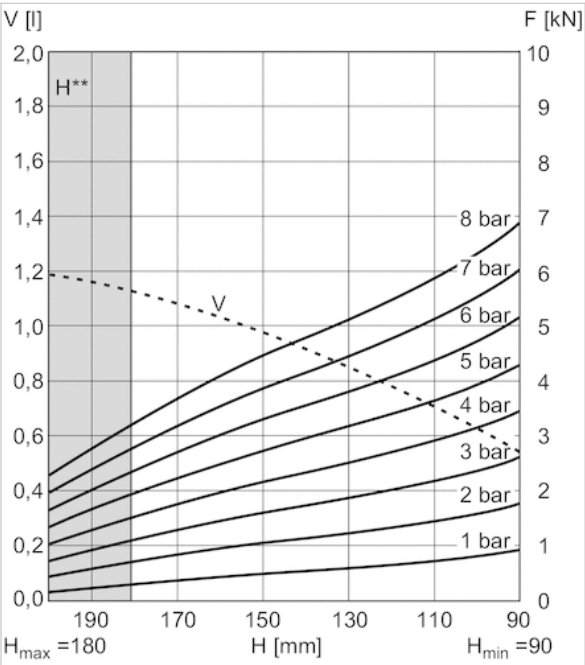
Diagrams

Force-displacement diagram R412020598



V = volumeH = heightH**= use permitted only upon approval by AVENTICS
1 kN = 1000 N

Force-displacement diagram R412020599



V = volumeH = heightH**= use permitted only upon approval by AVENTICS
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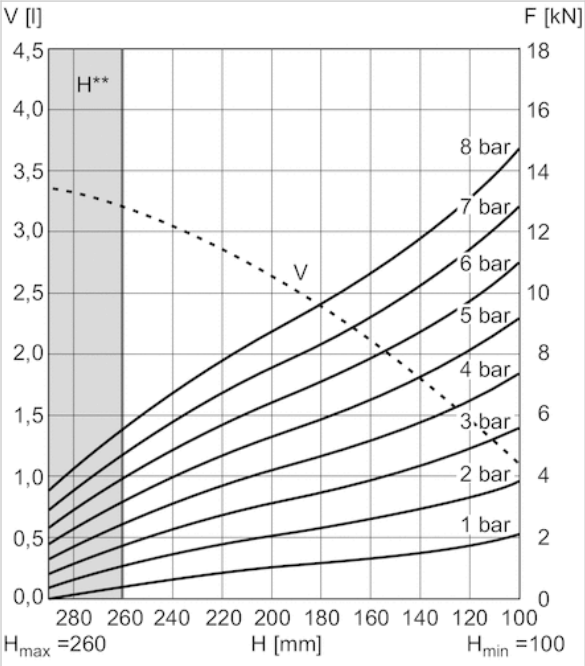
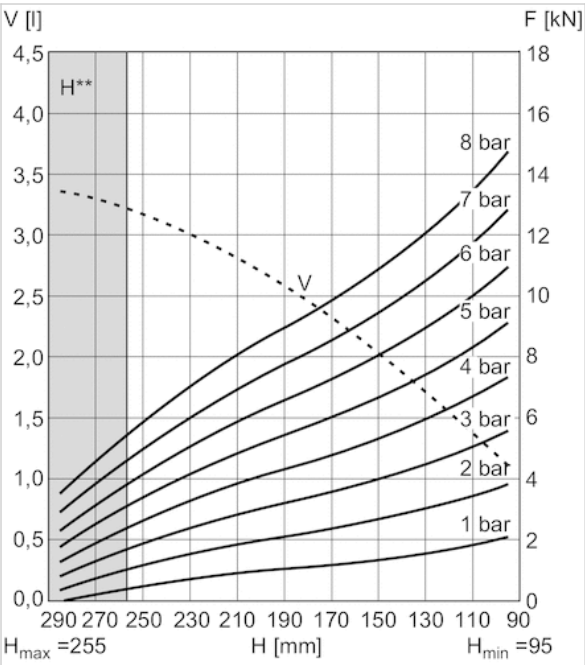
Force-displacement diagram R412019469



V = volumeH = heightH**= use permitted only upon approval by AVENTICS
1 kN = 1000 N

Force-displacement diagram R412020600



V = volumeH = heightH**= use permitted only upon approval by AVENTICS
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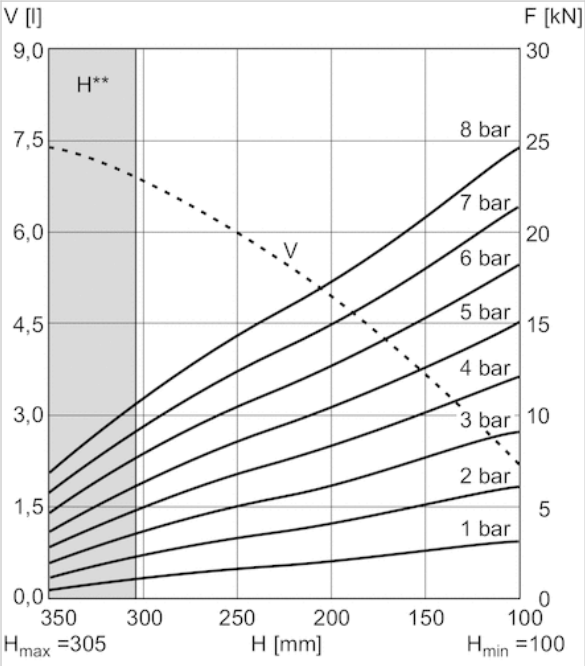
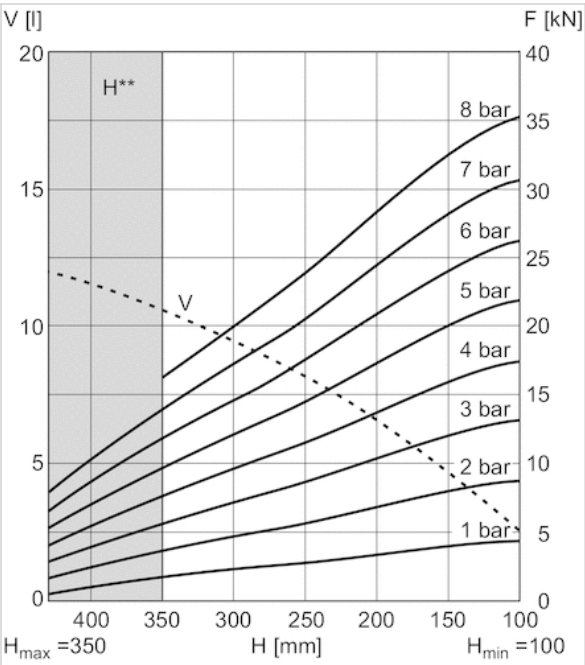
Force-displacement diagram R412020601



V = volumeH = heightH**= use permitted only upon approval by AVENTICS
1 kN = 1000 N

Force-displacement diagram R412000012



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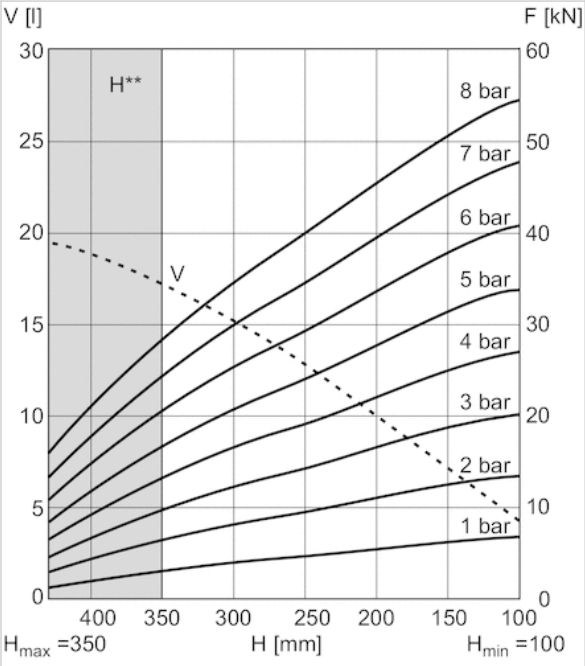
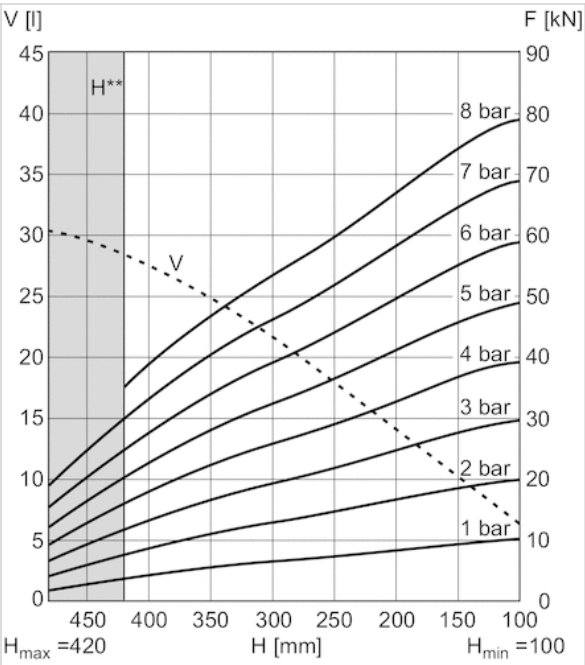
Force-displacement diagram R412020602



V = volumeH = heightH**= use permitted only upon approval by AVENTICS
1 kN = 1000 N

Force-displacement diagram R412020603



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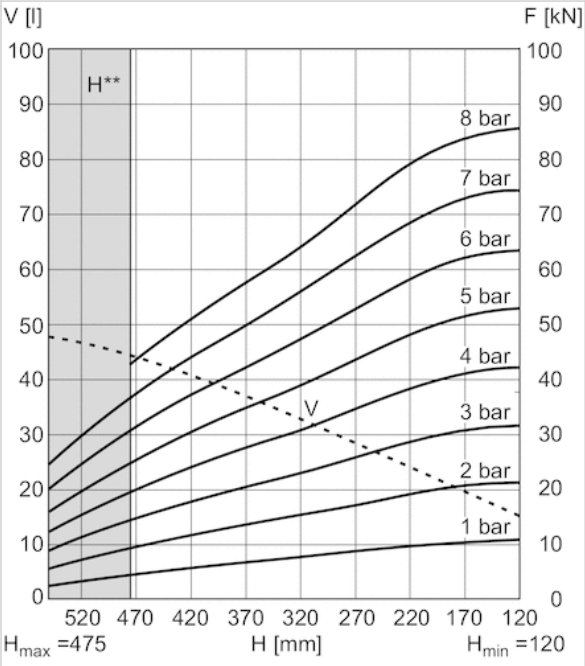
Force-displacement diagram R412020604



V = volumeH = heightH**= use permitted only upon approval by AVENTICS
1 kN = 1000 N