

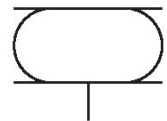
Bellow actuator with cover, series BCP, triple, 4 mounting holes

R432039296

BCP
2024-09-12

Series BCP

Bellows actuators with flanged connectors
Force max. 12000 Lbf
Stroke max. 11,22 inch



Technical data

Industry	Industrial
Bellows	triple
Type	Bellow actuator with cover
Functional principle	Single-acting, retracted without pressure
Compressed air connection	3/4 NPT
Cover diameter	287 mm
Max. permissible angle of tilt	20 °
Max. effective stroke	275.08 mm
Min. radial installation space	410 mm
Min. installation height	110 mm
Max. installation height	385 mm
Min. force	28700 N
Max. force	52600 N
Min. working pressure	0 bar
Max. working pressure	8 bar
Min. ambient temperature	-40 °C
Max. ambient temperature	70 °C
Medium	Compressed air
Reduced service life at a temperature greater than	50 °C

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Pressure for determining forces 6 bar

Weight 8 kg

Material

Material bellow Natural rubber

Material front cover Steel, chrome-plated

Surface cover galvanized

Part No. R432039296

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 $\geq H_{max}$: only permitted upon approval by AVENTICS

Further information on vibration isolation can be found in the "Technical information" document (available in the MediaCentre).

Reduced service life at a temperature greater than

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

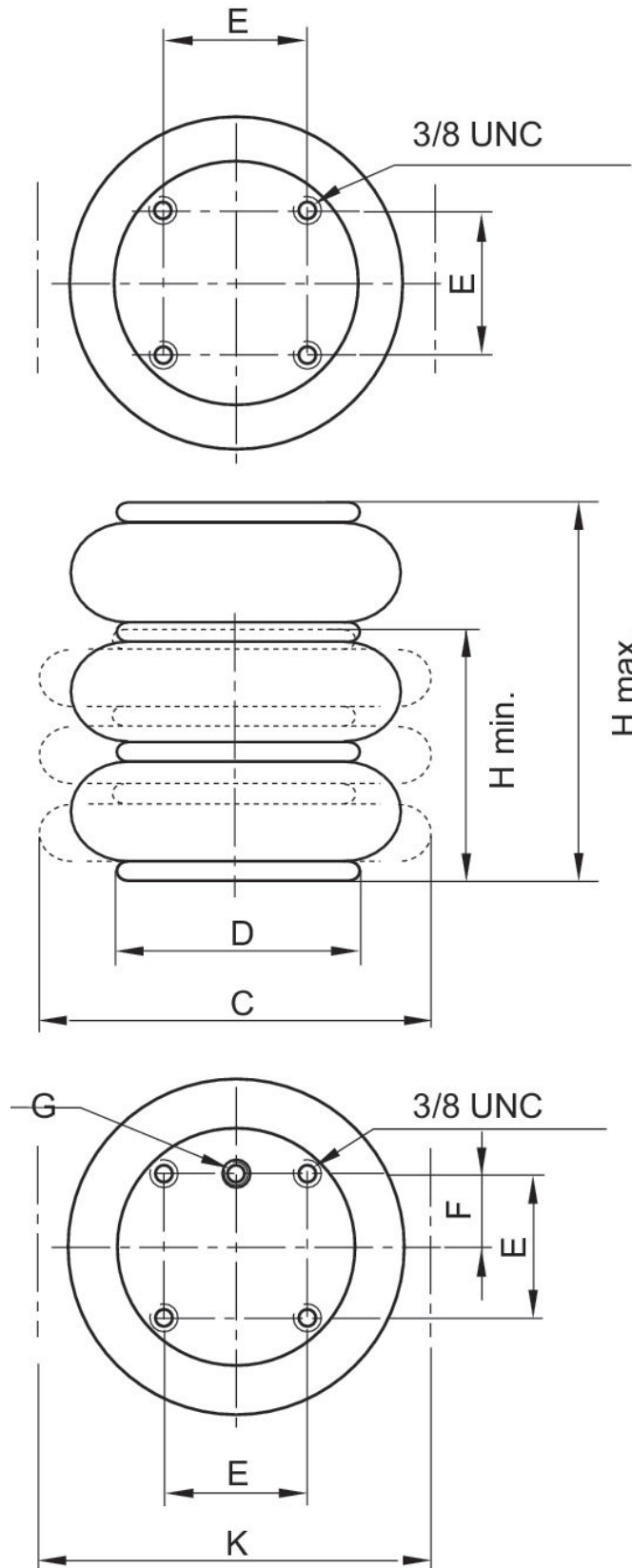
The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

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Dimensions



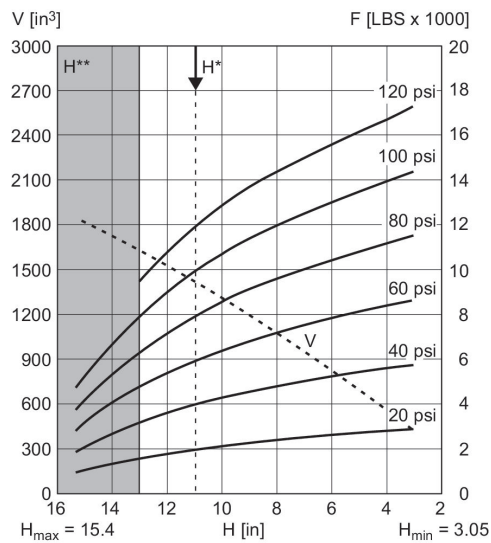
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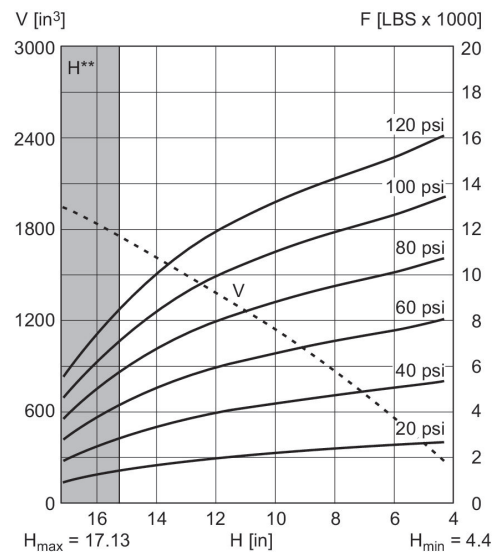
Part No.	Compressed air connection	H min. in	H max. in	C in	D in	E ±0,5 in	F ±0,5 in	K in	Min. return force lbf
R432039296	3/4 NPT	4.3	15.20	15.12	11.30	6.25	3.13	16.14	112

Force-displacement diagram
R432039770



V = volume H = height H* = recommended operating height for vibration isolation H** = use permitted only upon approval by AVENTICS

Force-displacement diagram
R432039296



V = volume H = height H**= use permitted only upon approval by AVENTICS