

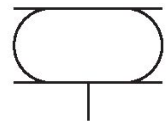
Bellow actuator with cover, series BCP, triple, air connection above 3 mounting holes

ASNT51-11-1

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	228.09 mm
Max. permissible angle of tilt	20 °
Max. effective stroke	284.99 mm
Min. radial installation space	345.44 mm
Min. installation height	109.98 mm
Max. installation height	394.97 mm
Min. force	17100 N
Max. force	153469.75 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 5.9 kg

Material

Material bellow Natural rubber

Material front cover Steel, chrome-plated

Surface cover galvanized

Part No. ASNT51-11-1

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.

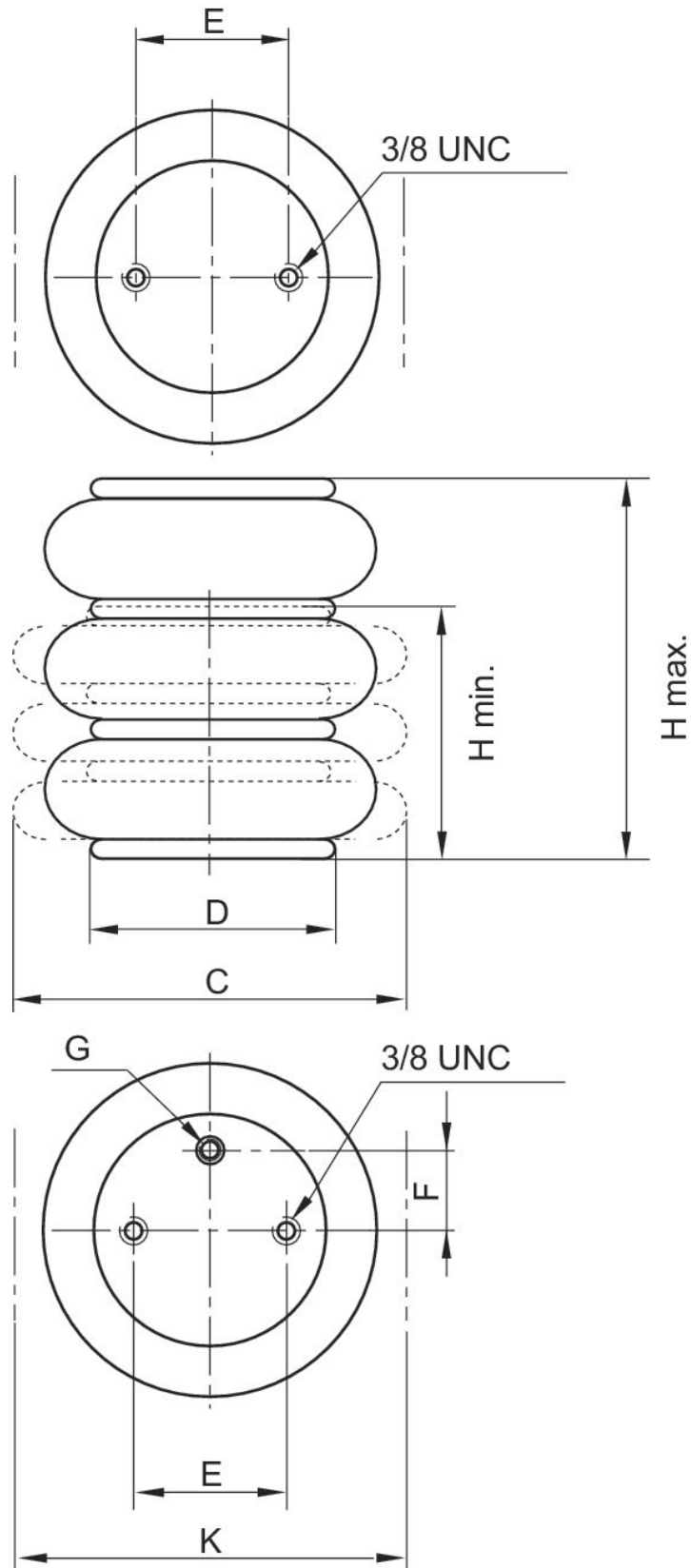
The oil content of compressed air must remain constant during the life cycle.

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



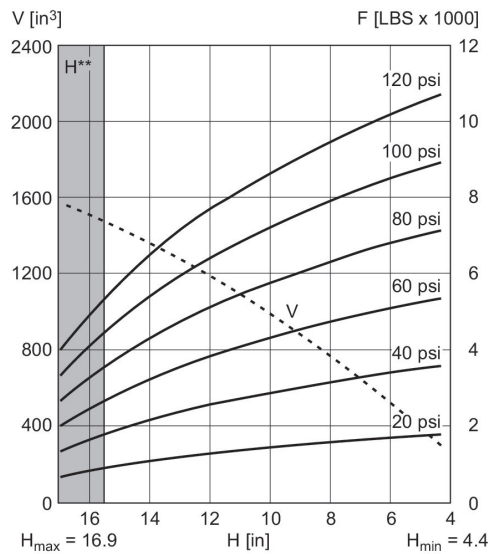
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Part No.	Compressed air connection	H min. in	H max. in	C in	D in	E ±0,5 in	F ±0,5 in	K in	Min. return force lbf
ASNT51-11-1	3/4 NPT	4.3	15.60	12.8	8.98	6.2	2.88	13.58	90

Force-displacement diagram



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