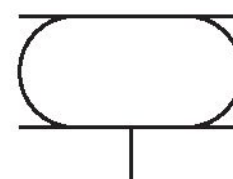


Series BCP

1938281000

General series information
AVENTICS Series BCP Bellow actuators

- The AVENTICS Series BCP cylinders are bellow actuators with firmly flanged steel covers and bellows made of natural rubber in the standard version. The heat-resistant version is distinguished by bellows made of epichlorohydrin rubber (ECO) and the corrosion-resistant version by stainless steel covers (V2A).



Technical data

Industry	Industrial
Bellows	triple
Type	Bellow actuator with cover
Functional principle	Single-acting, retracted without pressure
Compressed air connection	G 3/4
Cover diameter	287 mm
Permissible angle of tilt max.	20 °
Max. effective stroke	275 mm
Min. radial installation space	410 mm
Installation height, min.	110 mm
Installation height, max.	385 mm
Force min.	28700 N
Force max.	52600 N
Working pressure min.	0 bar
Working pressure max.	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
Pressure for determining forces	6 bar
Weight	8 kg

Material

Material bellow	caoutchouc/butadiene caoutchouc
Material front cover	Steel, chrome-plated
Surface cover	galvanized
Part No.	1938281000

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

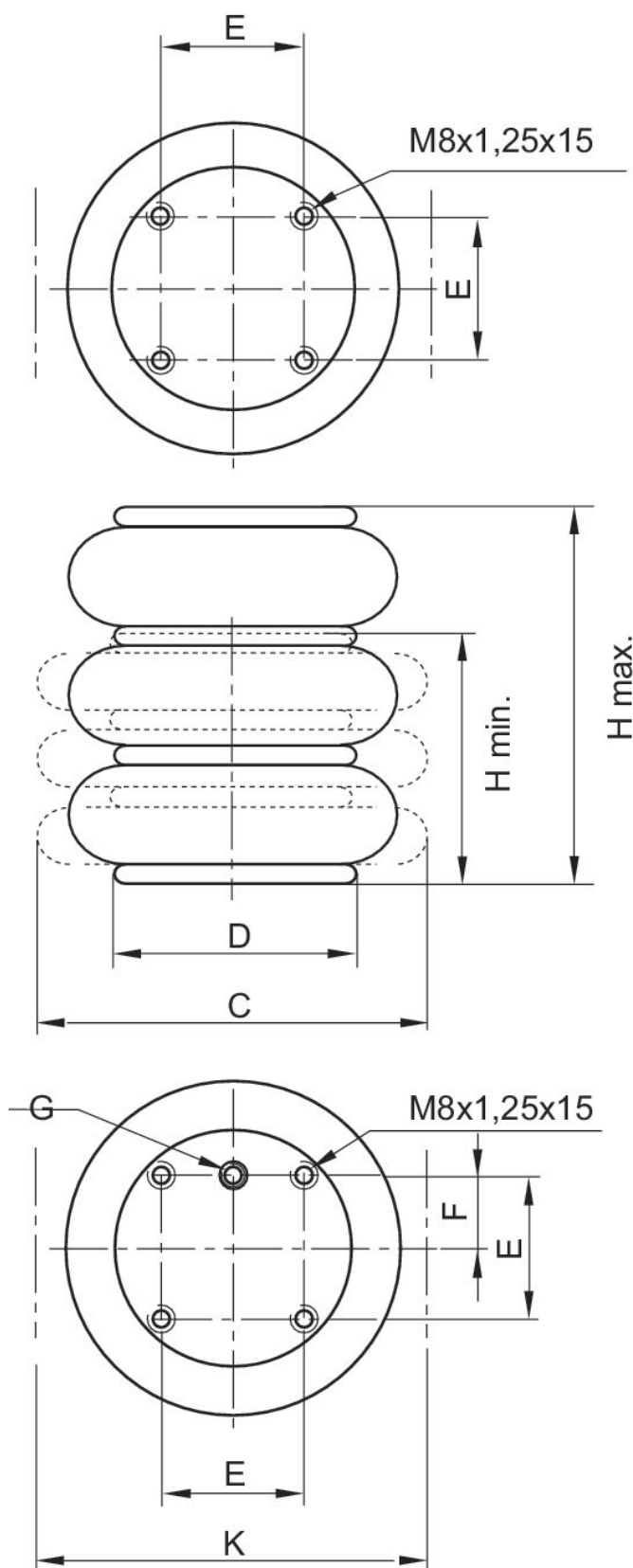
Further information on vibration isolation can be found in the "Technical information" document (available in the MediaCentre).

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.

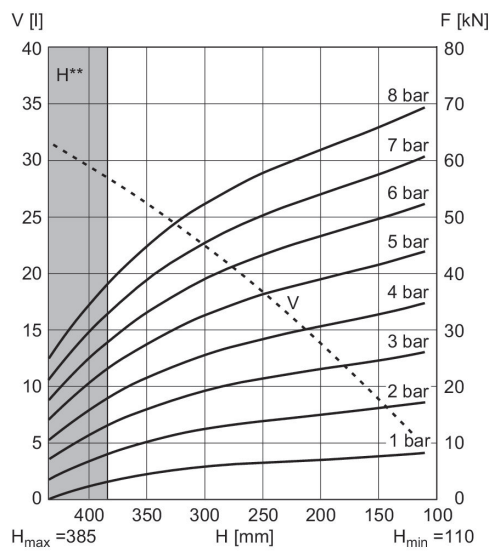
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in <https://www.emerson.com/en-us/support>).

Dimensions



Part No.	Compressed air connection G	H min. mm	H max. mm	C mm	D mm	E ±0,5 [mm]	F ±0,5 [mm]	K mm	Return force, min. N
1938281000	G 3/4	110	385	384	287	158.8	79.4	410	500

Force-displacement diagram 1938281000



V = volume H = height H**= use permitted only upon approval by AVENTICS
1 kN = 1000 N