



**UHV inline valve, DN 40 CF,
electro-pneumatic, PV 24 V
DC, SS/Cu/FKM, "A"-dim. 133
mm**

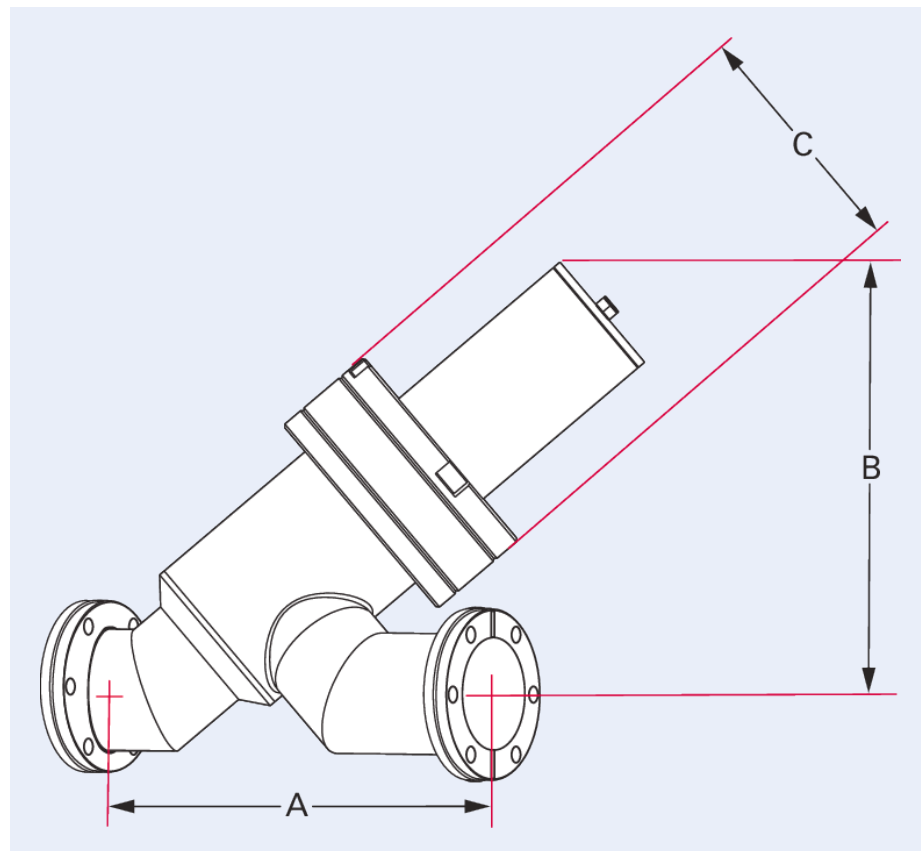




UHV inline valve, DN 40 CF, electro-pneumatic, PV 24 V DC, SS/Cu/FKM, "A"-dim. 133 mm

- Single acting, normally closed (air to open / spring to close)
- Copper-sealed for UHV service
- Additional bellows segments increase the service life
- Can be operated in any orientation
- Additional O-ring materials available

Dimensions



A	133 mm
B	145 mm
C	82 mm

Technical Data	UHV inline valve, DN 40 CF, electro-pneumatic, PV 24 V DC, SS/Cu/FKM, "A"-dim. 133 mm
Seal: Housing	Copper
Seal: Valve plate	FKM
Feedthrough	Bellows Stainless steel
Power control valve	4.5 W
Control valve	Included
Type	UHV Inline Valve
Temperature range	-20 – 150 °C
Housing	Stainless steel
Actuator	Electro-pneumatic
Input voltage(s)	24 V DC
Tightness	1 · 10 ⁻¹² Pa m ³ /s 1.33 · 10 ⁻¹⁰ Torr l/s 1 · 10 ⁻¹⁰ mbar l/s
Conductance value with molecular flow	25 l/s
Operating pressure min.	1 · 10 ⁻⁹ hPa 7.5 · 10 ⁻¹⁰ Torr 1 · 10 ⁻⁹ mbar
Pressure max. (absolute)	1,000 hPa 750 Torr 1,000 mbar
Tightness: Housing	1 · 10 ⁻¹² Pa m ³ /s 1.33 · 10 ⁻¹⁰ Torr l/s 1 · 10 ⁻¹⁰ mbar l/s
Bakeout temperature: actuator, pilot valve	60 °C 140 K -213.15 °F
Bakeout temperature: housing	150 °C 302 K -123.2 °F
Differential pressure in closing direction	1,400 hPa 1,050 Torr 1,400 mbar
Differential pressure in opening direction	1,400 hPa 1,050 Torr 1,400 mbar
Weight	2 kg 4.41 lb
Compressed air volume	26 cm ³
Connection flange	DN 40 CF
Closing/opening time	1.25 s/1.5 s
Compressed air (overpressure)	6 000 – 8 000 hPa

Order number	UHV inline valve, DN 40 CF, electro-pneumatic, PV 24 V DC, SS/Cu/FKM, "A"-dim. 133 mm
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