

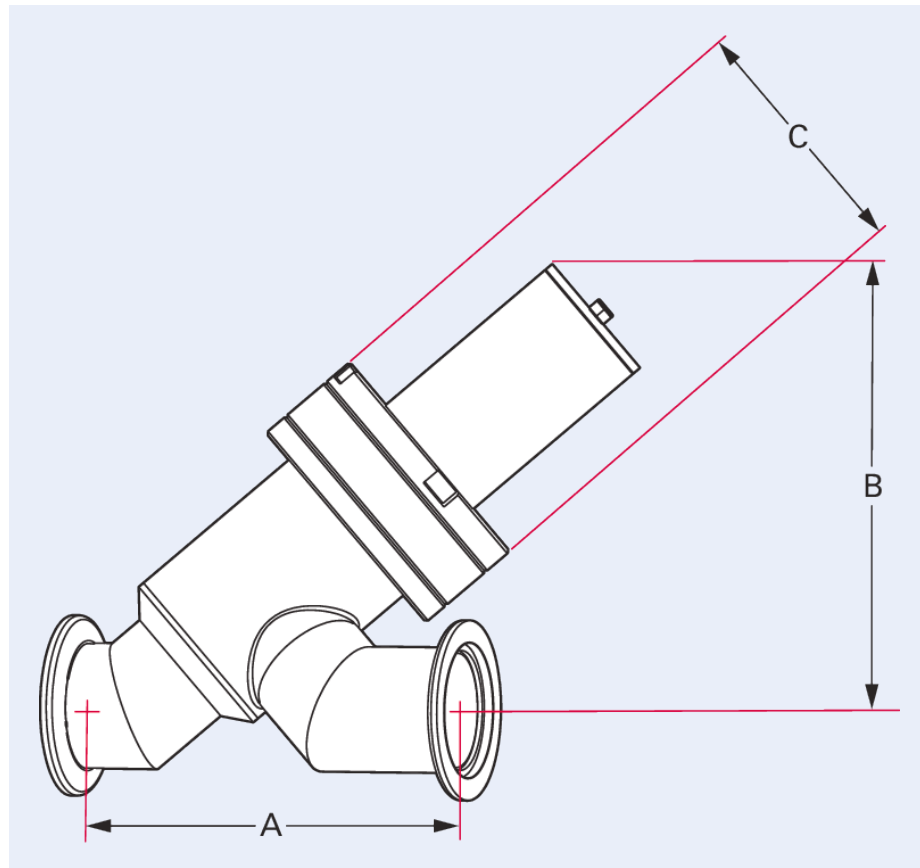




HV Inline valve, DN 50 ISO-KF, pneumatic, SS/FKM, "A"-dim. 178 mm

- Single acting, normally closed (air to open / spring to close)
- With elastomer seals for high vacuum operation
- Additional bellows segments increase the service life
- Can be operated in any orientation
- Additional O-ring materials available

Dimensions



A	178 mm
B	202 mm
C	89 mm

Technical Data

	HV Inline valve, DN 50 ISO-KF, pneumatic, SS/FKM, "A"-dim. 178 mm
Feedthrough	Bellows Stainless steel
Seal	FKM
Type	HV Inline Valve
Temperature range	-20 – 150 °C
Housing	Stainless steel
Actuator	Pneumatic
Tightness	$1 \cdot 10^{-11}$ Pa m ³ /s $1.33 \cdot 10^{-9}$ Torr l/s $1 \cdot 10^{-9}$ mbar l/s
Conductance value with molecular flow	48 l/s
Operating pressure min.	$1 \cdot 10^{-8}$ hPa $7.5 \cdot 10^{-9}$ Torr $1 \cdot 10^{-8}$ mbar
Pressure max. (absolute)	1,000 hPa 750 Torr 1,000 mbar
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	3 kg 6.61 lb
Compressed air volume	100 cm ³
Connection flange	DN 50 ISO-KF
Closing/opening time	1.25 s/1.5 s
Compressed air (overpressure)	6 000 – 8 000 hPa

Order number

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