



**UHV inline valve, DN 40 CF,
manual, SS/Cu/FKM, "A"-dim.
133 mm**

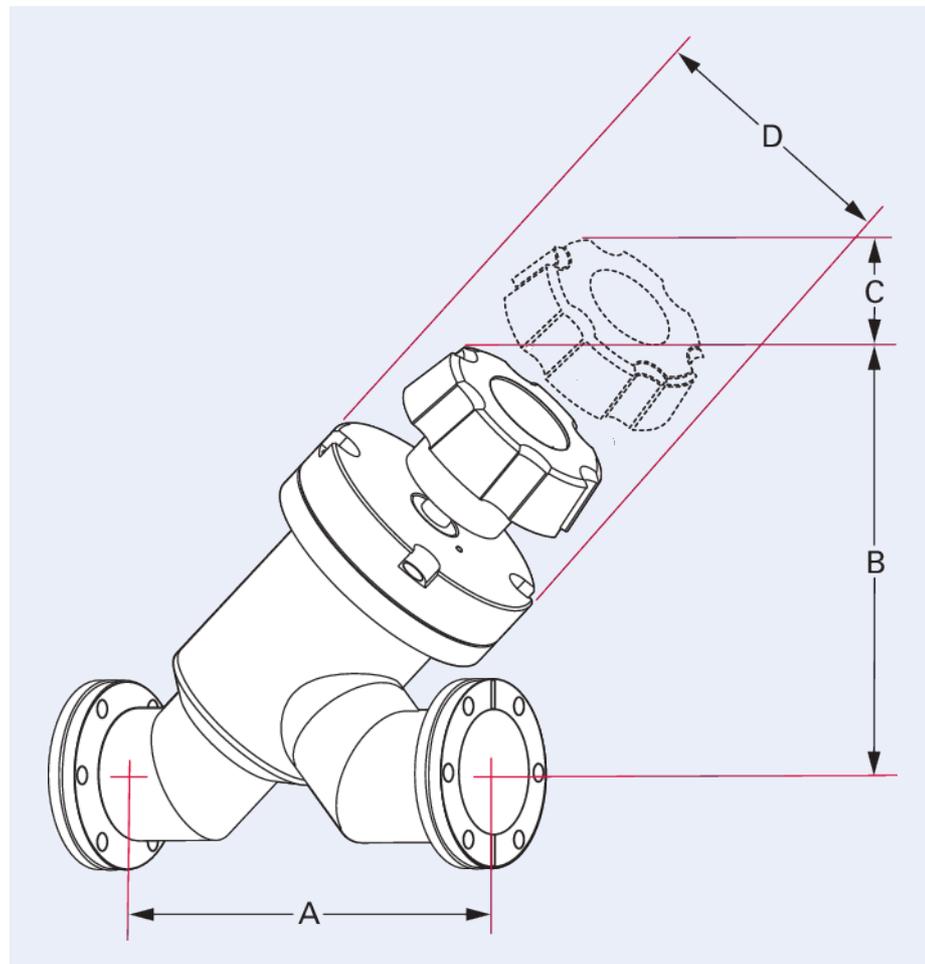




UHV inline valve, DN 40 CF, manual, SS/Cu/FKM, "A"-dim. 133 mm

- Copper-sealed for UHV service
- Stainless steel body with welded diaphragm bellows
- Conductance continuously variable with handwheel (multi-turn)
- Fully retracting and opening
- Additional O-ring materials available

Dimensions



A	133 mm
B	116 mm
C	26 mm
D	83 mm

Technical Data	UHV inline valve, DN 40 CF, manual, SS/Cu/FKM, "A"-dim. 133 mm
Seal: Housing	Copper
Seal: Valve plate	FKM
Feedthrough	Bellows Stainless steel
Type	UHV Inline Valve
Housing	Stainless steel
Actuator	Spindle Handwheel
Tightness	$1 \cdot 10^{-12}$ Pa m ³ /s $1.33 \cdot 10^{-10}$ Torr l/s $1 \cdot 10^{-10}$ mbar l/s
Bakeout temperature: actuator	60 °C 140 K -213.15 °F
Conductance value with molecular flow	25 l/s
Operating pressure min.	$1 \cdot 10^{-9}$ hPa $7.5 \cdot 10^{-10}$ Torr $1 \cdot 10^{-9}$ mbar
Pressure max. (absolute)	1,000 hPa 750 Torr 1,000 mbar
Tightness: Housing	$1 \cdot 10^{-12}$ Pa m ³ /s $1.33 \cdot 10^{-10}$ Torr l/s $1 \cdot 10^{-10}$ mbar l/s
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
Connection flange	DN 40 CF

Order number	UHV inline valve, DN 40 CF, manual, SS/Cu/FKM, "A"-dim. 133 mm
UHV inline valve, DN 40 CF, manual, SS/Cu/FKM, "A"-dim. 133 mm	CAIV-S04400

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