



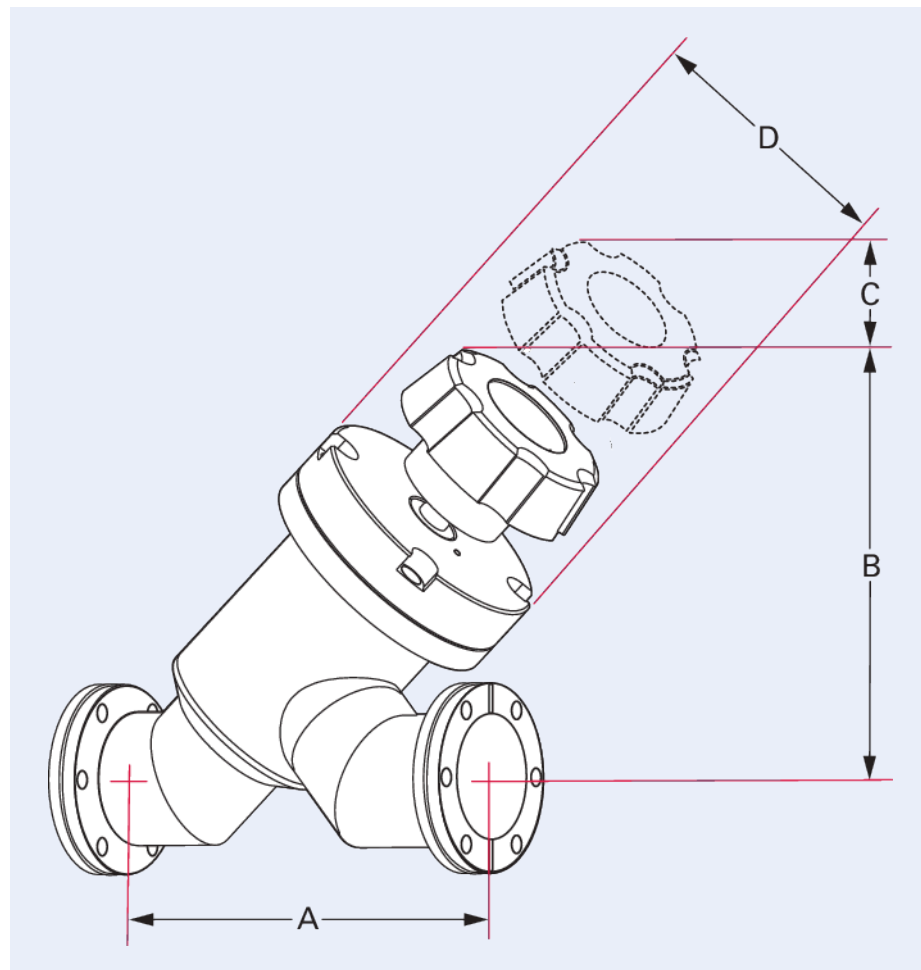
A red pole with multiple white directional signs pointing in various directions, each displaying a distance in kilometers. The signs are for various cities and countries, including Berlin, Frankfurt, London, and others. The distances range from 561 km to 9,356 km.



UHV inline valve, DN 16 CF, manual, SS/Cu/FKM, "A"-dim. 119 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	119 mm
B	88 mm
C	14 mm
D	69 mm

Technical Data	UHV inline valve, DN 16 CF, manual, SS/Cu/FKM, "A"-dim. 119 mm
Seal: Housing	Copper
Seal: Valve plate	FKM
Feedthrough	Bellows Stainless steel
Type	UHV Inline Valve
Housing	Stainless steel
Actuator	Spindle Handwheel
Tightness	$1 \cdot 10^{-12} \text{ Pa m}^3/\text{s}$ $1.33 \cdot 10^{-10} \text{ Torr l/s}$ $1 \cdot 10^{-10} \text{ mbar l/s}$
Bakeout temperature: actuator	60 °C 140 K -213.15 °F
Conductance value with molecular flow	4 l/s
Operating pressure min.	$1 \cdot 10^{-9} \text{ hPa}$ $7.5 \cdot 10^{-10} \text{ Torr}$ $1 \cdot 10^{-9} \text{ mbar}$
Pressure max. (absolute)	1,000 hPa 750 Torr 1,000 mbar
Tightness: Housing	$1 \cdot 10^{-12} \text{ Pa m}^3/\text{s}$ $1.33 \cdot 10^{-10} \text{ Torr l/s}$ $1 \cdot 10^{-10} \text{ mbar l/s}$
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	0.9 kg 1.98 lb
Connection flange	DN 16 CF

Order number	UHV inline valve, DN 16 CF, manual, SS/Cu/FKM, "A"-dim. 119 mm
UHV inline valve, DN 16 CF, manual, SS/Cu/FKM, "A"-dim. 119 mm	CAIV-S02400

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