

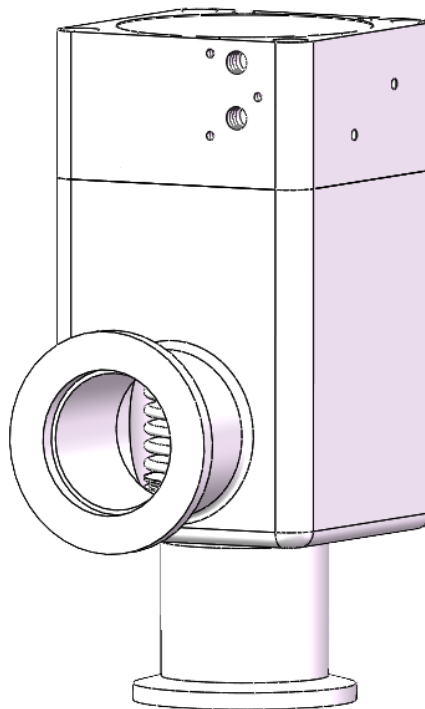
Conventional High Vacuum Angle Valve

Technical Parameters



Product Introduction

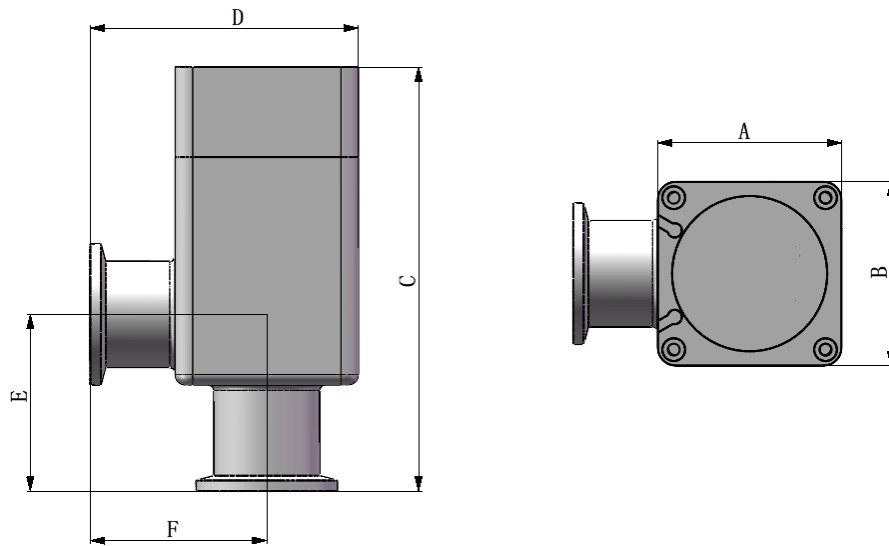
- External solenoid valve and magnetic switch, customers can choose solenoid valve and magnetic switch
- Ultra-long life metal corrugated bellows.
- Available models: normally closed, normally open, double acting.



Valve parameters

- Lifetime: KF40 model $\approx$ 15 million times, KF25/KF16 model $\approx$ 10 million times.
- Drive gas pressure range: 3.5-7 bar
- Nominal Drive gas pressure: 6 bar
- Drive gas tubing O.D.: default 6 mm (4mm is optional)
- Gas direction: Either direction
- Leakage rate $< 1 \times 10^{-9}$ mbar $\cdot$ L/sec (1×10^{-10} m³ $\cdot$ Pa/sec)
- Min. Working pressure: 1×10^{-8} mbar (1×10^{-6} Pa)
- Max. Working pressure in Opening Direction: 2000mbar
- Max. Working pressure in Closed Direction: 1200mbar
- Cycling frequency: KF16 $<$ 3Hz, KF25 $<$ 2Hz, KF40 $<$ 1.3 Hz, KF50 $<$ 0.5Hz

Note: For KF16 position switch, only Hall type is available; for KF25 and KF40, both reed switch and Hall type are available, suitable for models like Airtac DMSH, SMC D-M9, etc.



Size Chart (mm)

Model	A	B	C	D	E	F
KF40	65	65	145	97.5	65	65
KF25	52	52	121	78	50	50
KF16	42	42	96	61	40	40



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