



**UHV angle valve,  
DN 40 CF, pneumatic,  
SS/Cu/FKM, "A"-dim. 63  
mm**

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# UHV angle valve

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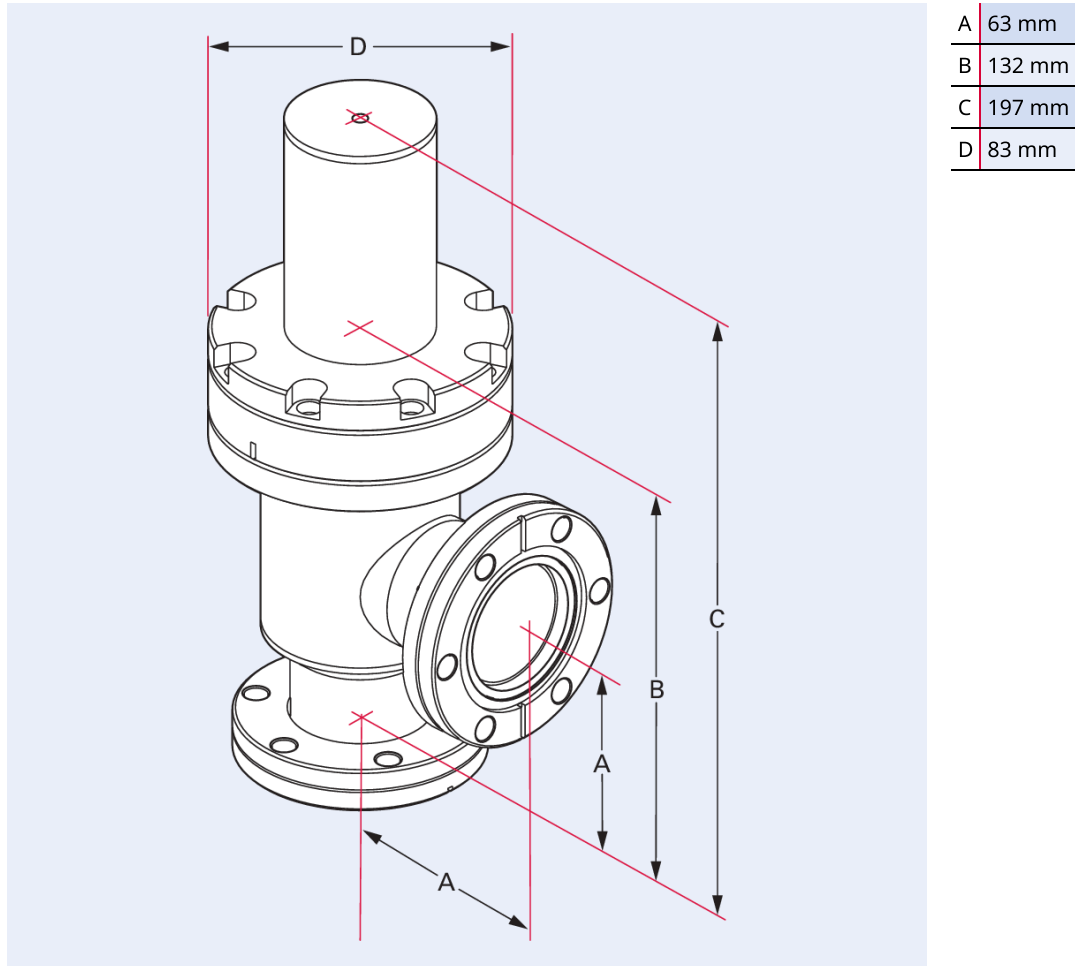
Illustration only

## **UHV angle valve, DN 40 CF, pneumatic, SS/Cu/FKM, "A"-dim. 63 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

# UHV angle valve

## Dimensions



# UHV angle valve

| Technical Data                             | UHV angle valve, DN 40 CF, pneumatic, SS/Cu/FKM, "A"-dim. 63 mm                                       |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Seal: Housing                              | Copper                                                                                                |
| Seal: Valve plate                          | FKM                                                                                                   |
| Feedthrough                                | Bellows   Stainless steel                                                                             |
| Type                                       | UHV Angle valve                                                                                       |
| Temperature range                          | -20 – 150 °C                                                                                          |
| Housing                                    | Stainless steel                                                                                       |
| Actuator                                   | Pneumatic n.c.                                                                                        |
| Tightness                                  | $1 \cdot 10^{-11}$ Pa m <sup>3</sup> /s   $7.5 \cdot 10^{-11}$ Torr l/s   $1 \cdot 10^{-10}$ mbar l/s |
| Conductance value with molecular flow      | 37 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                         | $1 \cdot 10^{-11}$ Pa m <sup>3</sup> /s   $7.5 \cdot 10^{-11}$ Torr l/s   $1 \cdot 10^{-10}$ mbar l/s |
| Bakeout temperature: actuator, pilot valve | 60 °C   140 °F   333.15 K                                                                             |
| Bakeout temperature: housing               | 150 °C   302 °F   423.2 K                                                                             |
| 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                                                                   |
| Compressed air volume                      | 26 cm <sup>3</sup>                                                                                    |
| Operating pressure min.                    | $1 \cdot 10^{-9}$ hPa                                                                                 |
| Pressure max. (absolute)                   | 1,000 hPa                                                                                             |
| Connection flange                          | DN 40 CF                                                                                              |
| Closing/opening time                       | 1.25 s/1.5 s                                                                                          |
| Compressed air (overpressure)              | 6000 – 8000 hPa                                                                                       |
| Differential pressure in closing direction | 1,400 hPa                                                                                             |
| Differential pressure in opening direction | 1,400 hPa                                                                                             |
| Weight                                     | 2 kg                                                                                                  |
| Temperature range max.                     | 150 °C   302 °F   423.15 K                                                                            |
| Temperature range min.                     | -20 °C   -4 °F   253.15 K                                                                             |

| Order number                                                    | UHV angle valve, DN 40 CF, pneumatic, SS/Cu/FKM, "A"-dim. 63 mm |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| UHV angle valve, DN 40 CF, pneumatic, SS/Cu/FKM, "A"-dim. 63 mm | CSVP-S04400                                                     |

# UHV angle valve

## Accessories

|                                                     |                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------|
|                                                     | UHV angle valve, DN 40 CF, pneumatic,<br>SS/Cu/FKM, "A"-dim. 63 mm |
| Set of seals for valve CSVP/CAIVP, DN 40            | CSVP-150-95                                                        |
| Bellows kit for valve CSV/CSVP/CAIV/CAIVP,<br>DN 40 | CSV-150-16K                                                        |



Errors and/or changes excepted. - 2/17/2026

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