



**HV Inline valve, DN 16 ISO-KF,  
electro-pneumatic, PV 24 V  
DC, SS/FKM, "A"-dim. 102 mm**

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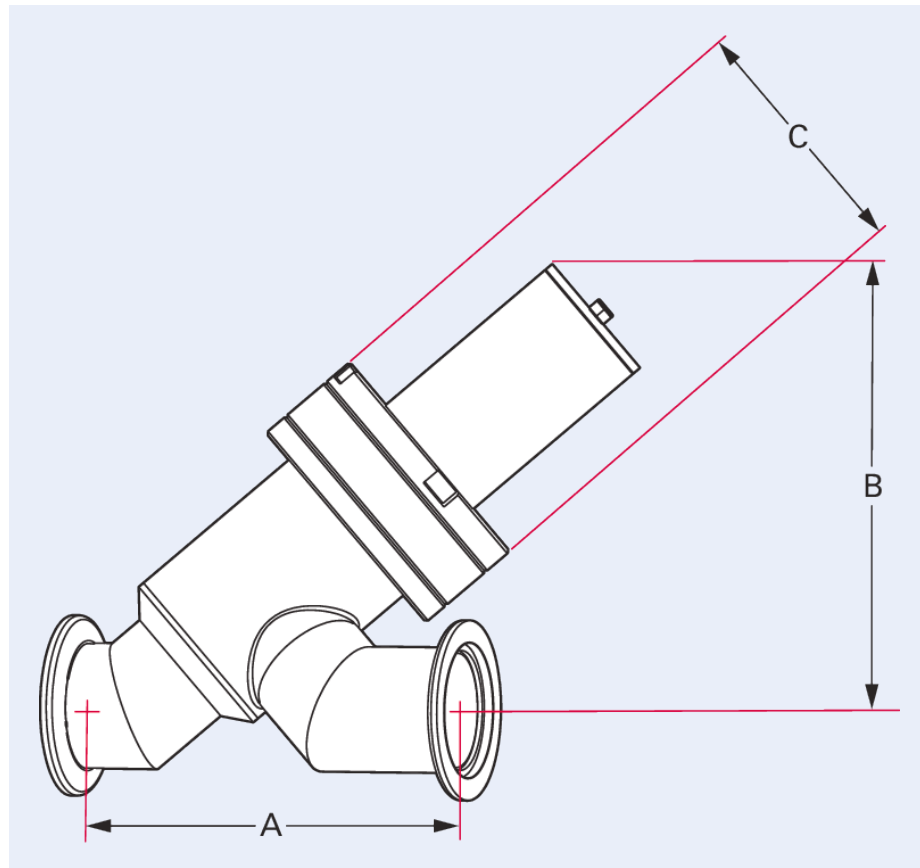




**HV Inline valve, DN 16 ISO-KF, electro-pneumatic, PV 24 V DC, SS/FKM, "A"-dim. 102 mm**

- 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 | 102 mm |
| B | 110 mm |
| C | 57 mm  |

## Technical Data

|                                            | HV Inline valve, DN 16 ISO-KF, electro-pneumatic, PV 24 V DC, SS/FKM, "A"-dim. 102 mm                         |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Feedthrough                                | Bellows   Stainless steel                                                                                     |
| Power control valve                        | 4.5 W                                                                                                         |
| Seal                                       | FKM                                                                                                           |
| Control valve                              | Included                                                                                                      |
| Type                                       | HV Inline Valve                                                                                               |
| Temperature range                          | -20 – 150 °C                                                                                                  |
| Housing                                    | Stainless steel                                                                                               |
| Actuator                                   | Electro-pneumatic                                                                                             |
| Input voltage(s)                           | 24 V DC                                                                                                       |
| Tightness                                  | 1 · 10 <sup>-11</sup> Pa m <sup>3</sup> /s   1.33 · 10 <sup>-9</sup> Torr l/s   1 · 10 <sup>-9</sup> mbar l/s |
| Conductance value with molecular flow      | 4 l/s                                                                                                         |
| Operating pressure min.                    | 1 · 10 <sup>-8</sup> hPa   7.5 · 10 <sup>-9</sup> Torr   1 · 10 <sup>-8</sup> 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                                     | 1 kg   2.2 lb                                                                                                 |
| Compressed air volume                      | 10 cm <sup>3</sup>                                                                                            |
| Connection flange                          | DN 16 ISO-KF                                                                                                  |
| Closing/opening time                       | 1.25 s/1.5 s                                                                                                  |
| Compressed air (overpressure)              | 6 000 – 8 000 hPa                                                                                             |

## Order number

|                                                                                       | HV Inline valve, DN 16 ISO-KF, electro-pneumatic, PV 24 V DC, SS/FKM, "A"-dim. 102 mm |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| HV Inline valve, DN 16 ISO-KF, electro-pneumatic, PV 24 V DC, SS/FKM, "A"-dim. 102 mm | AIVP-S02102                                                                           |

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