







HV gate valve, DN 80 ISO-F, electro-pneumatic, PI (RS)/PV 24 V DC, SS/FKM

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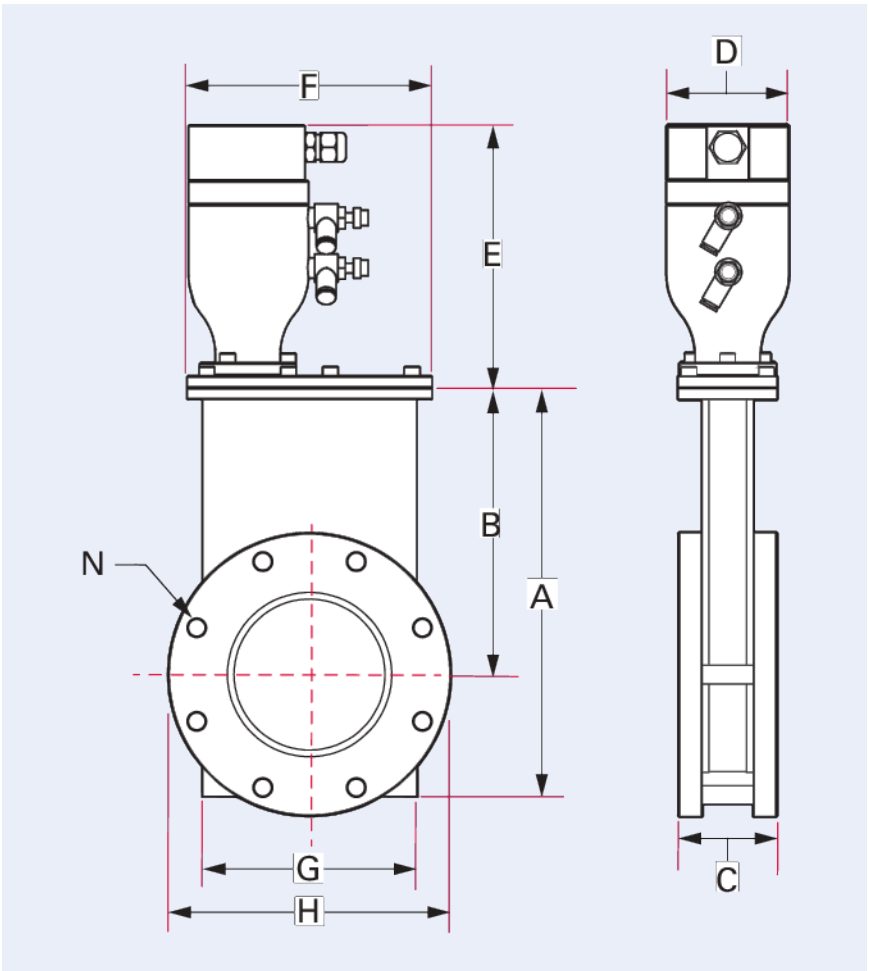
HV gate valve



HV gate valve, DN 80 ISO-F, electro-pneumatic, PI (RS)/PV 24 V DC, SS/FKM

- Stainless steel valve body with elastomer seals
- Ultra-slim profile can be operated in any orientation
- High conductance due to free clearance
- Wide selection of O-ring materials
- Position indicator switch included
- PI reed switch

Dimensions



A	197 mm
B	147 mm
C	50 mm
D	62 mm
E	134 mm
F	125 mm
G	110 mm
H	145 mm
N	8 x M8x8 mm

HV gate valve

Technical Data	HV gate valve, DN 80 ISO-F, electro-pneumatic, PI (RS)/PV 24 V DC, SS/FKM
Seal: Housing	FKM
Seal: Valve seat	FKM
Feedthrough	Bellows
Number of screws	8 Pieces
Opens against differential pressure of	30 hPa
Control valve	Included
Position indicator	Included
Type	HV gate valve
Thread	M 8
Valve plate	Stainless steel 1.4301 (AISI 304)
Housing	304/1.4301 Stainless steel
Actuator	Electro-pneumatic
Input voltage(s)	24 V DC
Tightness	$1 \cdot 10^{-11}$ Pa m^3 /s | $1.33 \cdot 10^{-9}$ Torr l/s | $1 \cdot 10^{-9}$ mbar l/s
Bakeout temperature: actuator, position indicator	60 °C | 140 K | -213.15 °F
Bakeout temperature: actuator	60 °C | 140 K | -213.15 °F
Conductance value with molecular flow	1,071 l/s
Pressure max. (absolute)	1,000 hPa | 750 Torr | 1,000 mbar
Thread depth	8 mm | 0.31 inch
Bakeout temperature: valve open, under vacuum	150 °C | 302 K | -123.2 °F
Bakeout temperature: actuator, pilot valve	60 °C | 140 K | -213.15 °F
Bakeout temperature: housing	150 °C | 302 K | -123.2 °F
Pressure min.	$1 \cdot 10^{-8}$ hPa | $7.5 \cdot 10^{-9}$ Torr | $1 \cdot 10^{-8}$ mbar
Differential pressure in closing direction	1,000 hPa | 750 Torr | 1,000 mbar
Bakeout temperature: valve closed	150 °C | 302 K | -123.15 °F
Differential pressure in opening direction	1,000 hPa | 750 Torr | 1,000 mbar
Weight	6 kg | 13.23 lb
Compressed air volume	62 cm^3
Power consumption	24 V DC / 4.5 W
Connection flange	DN 80 ISO-F
Closing/opening time	1.5 s/1.5 s
Compressed air (overpressure)	4 500 – 6 000 hPa

HV gate valve

Order number	HV gate valve, DN 80 ISO-F, electro-pneumatic, PI (RS)/PV 24 V DC, SS/FKM
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