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# HV pneumatic gate valve

HV gate valve, DN 50 ISO-KF, electropneumatic, PI (RS)/PV  
24 VDC, SS/FKM

**Part number: GVP-S05142**

**Nor-Cal Products**



**by PFEIFFER VACUUM**

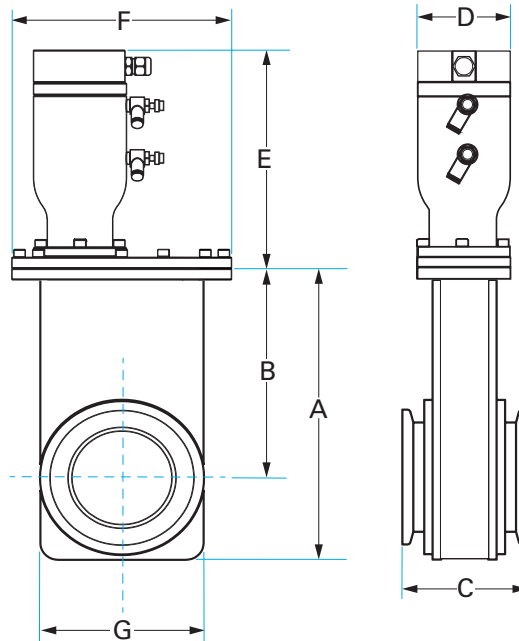
## HV pneumatic gate valve

HV gate valve, DN 50 ISO-KF, electropneumatic, PI (RS)/PV 24 VDC, SS/FKM

- Elastomer-sealed stainless steel valve body
- Ultra-slim profile can be operated in any orientation
- High conductance due to free clearance
- Wide selection of gate O-ring compounds
- Position indicator switch included



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### Dimensions (in inches)

Dim A	5.63"
Dim B	4.13"
Dim C	2.00"
Dim D	1.97"
Dim E	5.28"
Dim F	3.82"
Dim G	2.99"
Dim H	2.95"

### GVP-S05142

Parameters	Specifications
Valve / Flange Size	DN 50 ISO-KF
Vacuum Rating	High Vacuum
Position Indicator	Reed Switch
Pilot Valve	24 V DC
Flange Size / Type	DN 50 ISO-KF
Actuator	Pneumatic Double Acting
Supply Pressure	4.5 bar (min), 6 bar (max)
Fitting Size	1/8" NPT Female
Position Indicator	Reed Switch, 0.25 A, 100 V DC
Pilot Valve	24 V DC / 4.5 W
Pressure Range	1 · 10 <sup>-8</sup> mbar to 1 bar

## **HV pneumatic gate valve**

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### **GVP-S05142**

<b>Parameters</b> <i>(Continued)</i>	<b>Specifications</b> <i>(Continued)</i>
Max Differential at Opening	30 mbar
Max Temp (body)	150 °C (valve open), 150 °C (valve closed)
Max Temp (actuator)	60 °C
Open / Close Time	1.5 s/1.5 s
Open Conductance	317 l/s
Material (valve body)	304 Stainless steel
Material (valve mechanism)	304 & AM-350 stainless steel
Gate Seal	FKM
Bonnet Seal	FKM
Leak Rate (body)	$1 \cdot 10^{-9}$ mbar l/s
Leak Rate (gate)	$1 \cdot 10^{-9}$ mbar l/s
Service Life	100,000 cycles
Weight	4.4 lbs

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