

Industrial Grade Gate Valve, Stainless Steel



Features & Benefits

1. Larger sizes up to 3000mm available for applications such as aerospace, etc.
2. Applications for vacuum furnace, aerospace & photo-voltaic industries, etc.
3. Customization available for special projects
4. Economic, very competitive pricing

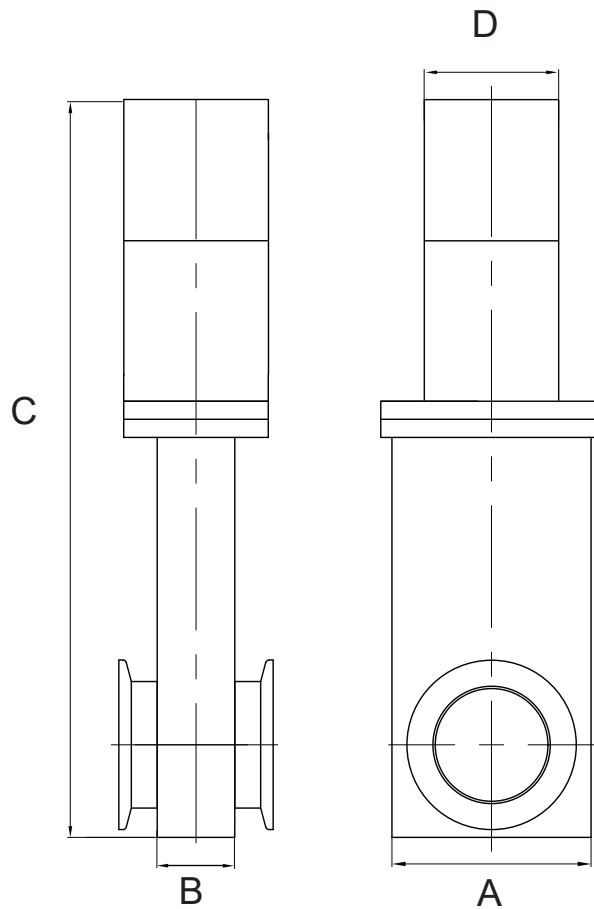
Specifications

GATE SEAL TYPE	GATE VALVE
Operation	Manual / Pneumatic / Motor-Driven
Flange Size (ID)	1.0" ~ 14" (Larger sizes available upon request)
Flange Type	KF, ISO, CF (HV application only)
Feedthrough	Welded Bellows
Gate Seal	Viton O-Ring
Bonnet Seal	Viton O-Ring
Response Time	≤ 6 sec
Operate Pressure Range	1×10 ⁻⁸ mbar to 1200 mbar
Differential pressure at opening	≤ 30 mbar
Differential pressure on the gate	≤ 30 mbar
Leak rate	< 1.3×10 ⁻⁹ mbar ℓ/sec
Cycles until first service	100,000
Temperature for Valve Body	≤ 200 °C
Temperature for Actuator	≤ 80 °C
Bake Temperature	≤ 150 °C (Close) & ≤ 200 °C (Open)
Materials	Body (Stainless Steel304 or 316L) / Actuate (Alum)
Mounting Position	Any
Operating Pressure (N2)	4 ~ 7kgf/cm ²



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OUTLINE DIMENSIONS

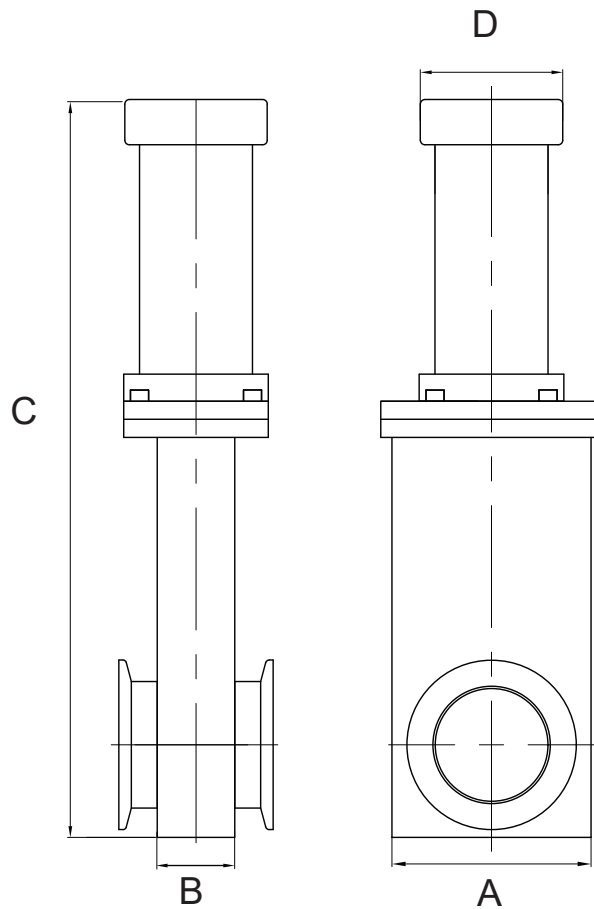


Pneumatic, KF/ISO Flange			Dimension in mm	
Size (ID)	A	B	C	D
1.0"	62.0	34.0	284.0	64.0
1.5"	76.0	34.0	315.0	64.0
2.0"	88.1	34.0	325.5	64.0
2.5"	110.0	34.0	365.5	72.0
3.0"	130.0	36.0	447.0	84.0
4.0"	144.0	40.0	615.0	75.0
6.0"	201.0	45.0	771.5	75.0
8.0"	258.0	47.0	897.5	95.0
10.0"	310.0	54.5	947.0	117.0
12.0"	425.0	78.0	1329.0	115.0



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OUTLINE DIMENSIONS



Manual, KF/ISO Flange			Dimension in mm	
Size (ID)	A	B	C	D
1.0"	62.0	34.0	278.0	63.0
1.5"	76.0	34.0	312.5	63.0
2.0"	88.1	34.0	326.5	63.0
2.5"	110.0	34.0	378.0	100.0
3.0"	130.0	36.0	461.5	100.0
4.0"	144.0	40.0	500.0	100.0
6.0"	201.0	45.0	652.5	100.0
8.0"	258.0	47.0	763.5	100.0
10.0"	310.0	54.5	957.5	125.0
12.0"	425.0	78.0	1191.5	125.0



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