



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**All-metal gate valve**  
**Series 482, DN 63 (ID 2 1/2")**  
**Ordering No. 48236-CE05-0002**

### Description

Flange	DN 63 CF-F
Actuator	Manual actuator – with position indicator 200°C
Feedthrough	Bellows
Options	

### Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-10}$ mbar ls <sup>-1</sup>
	– Valve seat	$< 1 \cdot 10^{-10}$ mbar ls <sup>-1</sup>
Pressure range		XHV to 2 bar (abs)
Test pressure		1 bar
Differential pressure on the gate	– In opening direction	≤ 2 bar
	– In closing direction	≤ 2 bar
Differential pressure at opening		≤ 500 mbar [1 bar with reduced number of cycles]
Conductance (molecular flow)		400 ls <sup>-1</sup>
Cycles until first service		20'000
Bake-out temperature	– Valve body	≤ 300 °C
(Maximum values: depending on operating conditions and sealing materials)	– Actuator	≤ 200 °C
	– Position indicator	≤ 200 °C
Heating and cooling rate		50 °C h <sup>-1</sup>
Material	– Valve body	1.4435, AISI 316 L
	– Flange	1.4435 ESU, AISI 316 L ESR
	– Gate	1.4435, AISI 316 L
	– Mechanism	1.4435, AISI 316 L
	– Bellows	1.4435, AISI 316 L
Seal	– Bonnet	metal
	– Gate	metal
Radiation resistance	– Valve	10 <sup>8</sup> Gy (10 <sup>10</sup> rad)
	– Actuator	10 <sup>6</sup> Gy (10 <sup>8</sup> rad)
	– Position indicator	10 <sup>5</sup> Gy (10 <sup>7</sup> rad)
Turns per stroke		33
Weight		16 kg / 35 lbs

### Related documents

Dimensional drawing No. 318285A

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