



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

All-Metal Gate Valve, Series 48.1, DN 40 (ID 1 1/2")

OSL-Article No. 48132-CE05-0003

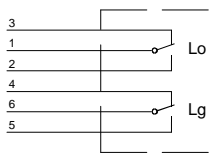
Description

Flange	DN 40 CF-F
Actuator	manual actuator with position indicator 200°C
Feedthrough	bellows

Technical data

Leak rate	
- To the outside	$< 1 \cdot 10^{-10}$ mbar ls ⁻¹
- Seat	$< 1 \cdot 10^{-10}$ mbar ls ⁻¹
Molecular flow conductance	90 ls ⁻¹
Pressure range	XUHV to 2 bar (abs)
Test pressure	1 bar
Differential pressure on the gate	
- in closing and opening direction	2 bar
Max. differential pressure at opening	
- in closing and opening direction	1 bar
Cycles until first service	20'000
Bake-out temperature	
- Valve	300°C
- Actuator	200°C
- Position indicator	200°C
Heating and cooling rate	50°C h ⁻¹
Material	
- Body	1.4435, AISI 316 L
- Flange	1.4435 ESU, AISI 316 L ESR
- Gate	1.4435, AISI 316 L
- Mechanism (in contact with media)	1.4435, AISI 316 L
- Bellows	1.4435, AISI 316 L
Seal	
- Bonnet	metal
- Gate	metal
Mounting position	any
Radiation resistance	
- Valve	10 ⁸ Gy (10 ¹⁰ rad)
- Actuator, position indicator	10 ⁵ Gy (10 ⁷ rad)
Turns per stroke	22
Dimensional drawing	204564
Weight	5.7 kg / 14 lbs

Wiring diagram:



Lo = position indicator «open»
Lg = position indicator «closed»

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