



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

PRODUCT DATA SHEET No. D48122EA

All-Metal Gate Valve, Series 48.1, DN 16 (ID $5/8$ ")

Ordering No. 48124-CE08

Description

Flange	DN 16 CF-F
Actuator	manual actuator, with position indicator
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	9 ls ⁻¹
Pressure range	UHV 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	80°C
Heating and cooling rate	80°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
Position indicator	
- Contact rating	5 A / 250 V AC, 3A / 50 V DC
Radiation resistance	
- Valve	10 ⁸ Gy (10 ¹⁰ rad)
- Actuator	10 ⁵ Gy (10 ⁷ rad)
- Position indicator	10 ⁵ Gy (10 ⁷ rad)

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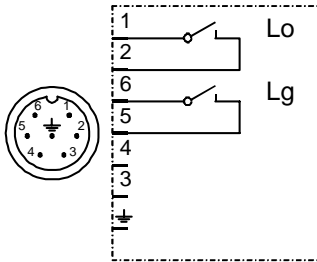
Weight

3.5 kg / 8 lbs

Attachments

Dimensional drawing No. 98771

Wiring diagram



Lo = position indicator «open»

Lg = position indicator «closed»

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