



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-CE08-0001

Description

Flange	DN 63 CF-F
Actuator	Manual - with position indicator
Feed through	Bellows

Technical data

Leak rate	- Valve body - Valve seat	$< 1 \cdot 10^{-10}$ mbar ls ⁻¹ $< 1 \cdot 10^{-10}$ mbar ls ⁻¹
Pressure range		XUHV to 2 bar (abs)
Test pressure		1 bar
Differential pressure on the gate		≤ 2 bar
Differential pressure at opening		≤ 500 mbar, 1 bar with reduced cycle life
Conductance (molecular flow)		400 ls ⁻¹
Cycles until first service		20 000
Bake-out temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body - Actuator - Position indicator	≤ 300 °C ≤ 80 °C ≤ 80 °C
Heating and cooling rate		≤ 50 °C h ⁻¹
Material	- Valve body - Flange - Gate - Mechanism - Bellows	1.4435, AISI 316 L 1.4435 ESU, AISI 316 L ESR 1.4435, AISI 316 L 1.4435, AISI 316 L 1.4435, AISI 316 L
Seal	- Bonnet - Gate	metal, silver plated metal, silver plated
Mounting position		any
Radiation resistance	- Valve body - Actuator - Position indicator	10 ⁸ Gy (10 ¹⁰ rad) 10 ⁵ Gy (10 ⁷ rad) 10 ⁵ Gy (10 ⁷ rad)
Turns per stroke		32
Weight		16 kg / 35 lbs

Created by: BRR	Release date: 24.02.2016	1/2
Modified by:	Release date:	832905EA



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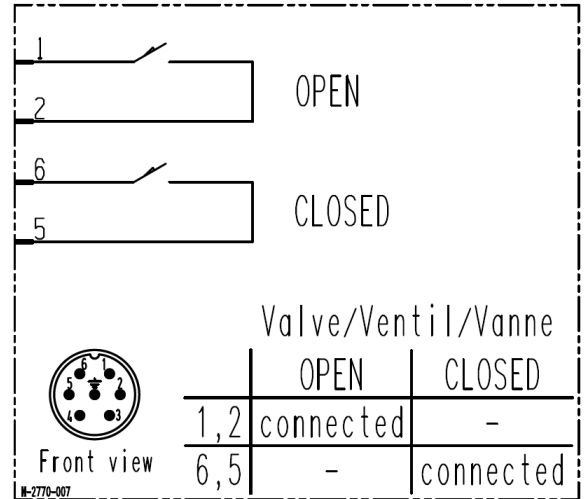
Related documents

Dimensional drawing No. 211056 B

Electrical connections

Position indicator

Type micro switch
Voltage ≤ 50 V AC / DC
Current max. ≤ 1.2 A



Wiring diagram

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