



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

All-metal gate valve, Series 482, DN 160 (ID 6'')
Ordering No. 48244-CE08-0002

Description

Flange		DN 160 CF-F
Actuator		Manual - with position indicator
Feed through		Bellows
Option	=	Standard

Technical data

Leak rate	- Valve body	$< 1 \cdot 10^{-10}$ mbar ls ⁻¹
	- Valve seat	$< 1 \cdot 10^{-10}$ 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)		4'200 ls ⁻¹
Cycles until first service		20'000
Bake-out temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body	≤ 300 °C
	- Actuator	≤ 80 °C
	- Position indicator	≤ 80 °C
Heating and cooling rate		≤ 50 °C h ⁻¹
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, silver plated
	- Gate	metal, silver plated
Mounting position		any
Radiation resistance	- Valve body	10 ⁸ Gy (10 ¹⁰ rad)
	- Actuator	10 ⁵ Gy (10 ⁷ rad)
	- Position indicator	10 ⁵ Gy (10 ⁷ rad)
Turns per stroke		66
Weight		40.0 kg / 88 lbs

Created by: Kurt Sonderegger	Release date: 29.02.2016	1/2
Modified by:	Release date:	833746EA



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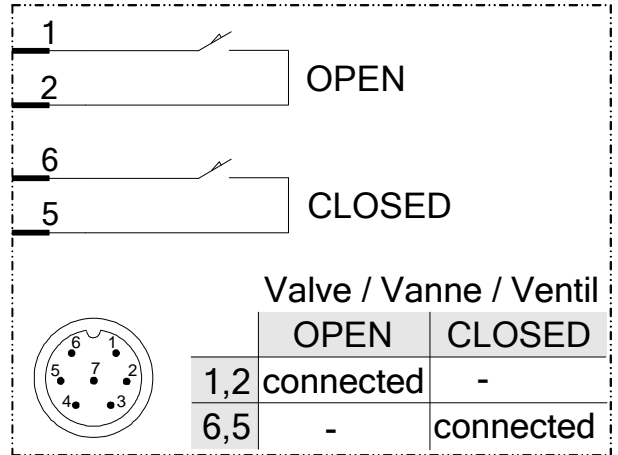
Related documents

Dimensional drawing No. 832546

Electrical connections

Position indicator

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



Wiring diagram

Created by: Kurt Sonderegger	Release date: 29.02.2016	2/2
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