



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

All-metal gate valve, Series 481, DN 200 (ID 8")
Ordering No. 48146-CE08-0003

Description

Flange	DN 200 CF-F
Actuator	Manual actuator - with position indicator
Feedthrough	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)		6 900 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 ≤ 140 °C ≤ 80 °C (must be removed for bake out above 80°C)
Heating and cooling rate		≤ 25 °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		63
Weight		74.5 kg / 164 lbs

Created by: BDA	Release date: 01.06.2010	1/2
Modified by:	Release date:	284112EA



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

All-metal gate valve, Series 481, DN 200 (ID 8")
Ordering No. 48146-CE08-0003

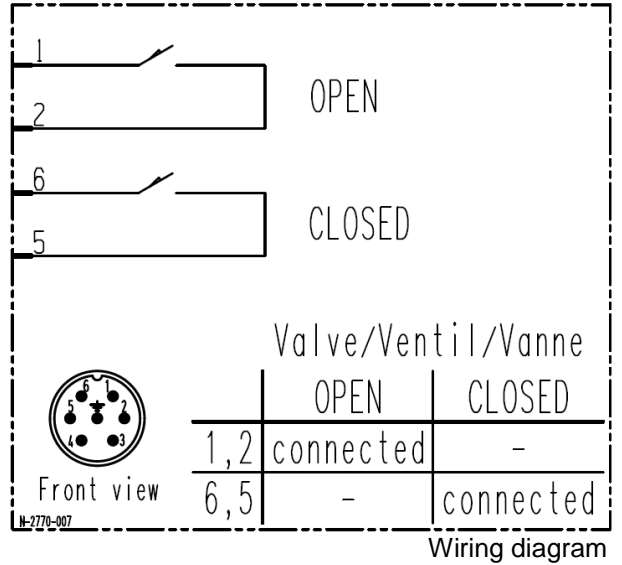
Related documents

Dimensional drawing No. 444519

Electrical connections

Position indicator

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



Created by: BDA	Release date: 01.06.2010	2/2
Modified by:	Release date:	284112EA