



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

All-metal gate valve, Series 482, DN 100 (ID 4")
Ordering No. 48240-CE05-0003

Description

Flange	DN100 CF-F
Actuator	Manual actuator – with position indicator 200°C
Feedthrough	Bellows
Options	

Technical data

Leak rate	– Valve body – Valve seat	$< 1 \cdot 10^{-10}$ mbar ls ⁻¹ $< 1 \cdot 10^{-10}$ mbar ls ⁻¹
Pressure range		XHV to 2 bar (abs)
Differential pressure on the plate	– In opening direction – In closing direction	≤ 2 bar ≤ 2 bar
Differential pressure at opening		≤ 500 mbar [1 bar with reduced number of cycles]
Conductance (molecular flow)		1'400 ls ⁻¹
Cycles until first service		20'000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body – Actuator – Position indicator	≤ 300 °C ≤ 200 °C ≤ 200 °C
Heating and cooling rate		50 °C h ⁻¹
Material	– Valve body – Flange – Gate – [Mechanism] – Bellows	AISI 316L (1.4435) AISI 316L ESR (1.4435 ESU) AISI 316L (1.4435) AISI 316L (1.4435) AISI 316L (1.4435)
Seal	– Bonnet – Gate	metal metal
Radiation resistance	- Valve - Actuator - Position Indicator	10 ⁸ Gy (10 ¹⁰ rad) 10 ⁶ Gy (10 ⁸ rad) 10 ⁶ Gy (10 ⁸ rad)
Turns per stroke		46
Weight		app. 24 kg / 54 lbs

Created by: Kurt Sonderegger	Release date: 05.02.2016	1/2
Modified by:	Release date:	830079EA

