



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV gate valve, Series 140, DN 200 (ID 8'')
Ordering No. 14046-CE08

Description

Flange	CF-F 200
Actuator	Manual, handwheel – With position indicator
Feedthrough	Rotary feedthrough

Technical data

Leak rate	– Valve body – Valve seat	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹ $< 1 \cdot 10^{-9}$ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-8}$ mbar to 2 bar (abs)
Differential pressure on the gate		≤ 2 bar
Differential pressure at opening		≤ 30 mbar
Conductance (molecular flow)		12200 ls ⁻¹
Cycles until first service	– Unheated and under clean conditions	200 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body – Actuator – Position indicator	≤ 150 °C ≤ 80 °C ≤ 80 °C
Heating and cooling rate		50 °C h ⁻¹
Material (main components)	– Valve body – Mechanism	AISI 304 (1.4301) AISI 304 (1.4301)
Seal	– Bonnet – Gate – Actuator	FKM (Viton®), Vulcanized FKM (Viton®), O-ring FKM (Viton®), NBR
Mounting position		any
Weight		32 kg / 70 lbs

Created by: JOM	Release date: 2017-04-05	1 of 2
Modified by:	Release date:	889548EA



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Position indicator

Type

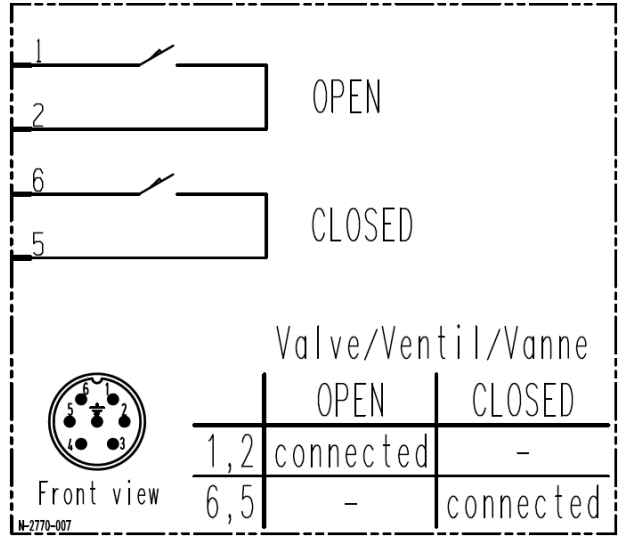
Micro switch

Voltage

≤ 250 V AC ≤ 50 V DC

Current max.

≤ 5 A ≤ 3 A



Wiring diagram

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