



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**HV gate valve, Series 140, DN 100 (ID 4'')**  
**Ordering No. 14040-CE08**

### Description

Flange	CF-F 100
Actuator	Manual, handwheel – With position indicator
Feedthrough	Rotary feedthrough

### Technical data

Leak rate	– Valve body – Valve seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup> $< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-8}$ mbar to 2 bar (abs)
Differential pressure on the gate		$\leq 2$ bar
Differential pressure at opening		$\leq 30$ mbar
Conductance (molecular flow)		1740 ls <sup>-1</sup>
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	$\leq 150$ °C $\leq 80$ °C $\leq 80$ °C
Heating and cooling rate		50 °C h <sup>-1</sup>
Material (main components)	– Valve body – Mechanism	AISI 304 (1.4301) AISI 304 (1.4301), AISI 301 (1.4310)
Seal	– Bonnet – Gate – Actuator	FKM (Viton®), Vulcanized FKM (Viton®), O-ring FKM (Viton®), NBR
Mounting position		any
Weight		15 kg / 33 lbs

Created by: JOM	Release date: 2017-04-05	1 of 2
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### Position indicator

Type

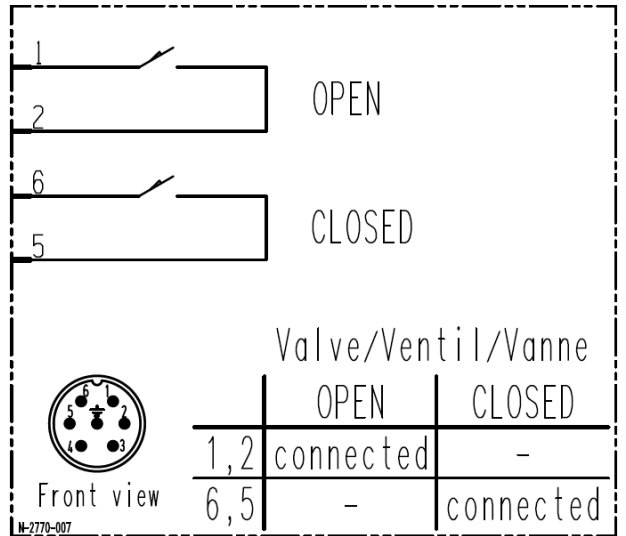
Micro switch

Voltage

≤ 250 V AC    ≤ 50 V DC

Current max.

≤ 5 A        ≤ 3 A



Wiring diagram

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