



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Mini UHV gate valve, Series 010, DN 40 (ID 1½")
Ordering No. 01032-KE08

Description

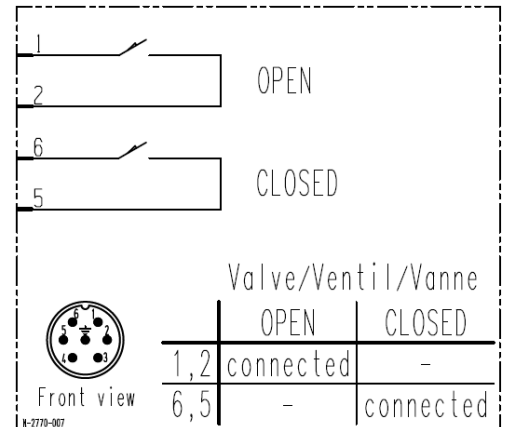
Flange	ISO-KF 40
Actuator	manual – with position indicator
Feedthrough	Bellows

Technical data

Leak rate	– Valve body – Valve seat	$< 5 \cdot 10^{-10}$ mbar ls ⁻¹ $< 1 \cdot 10^{-9}$ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-10}$ mbar to 2 bar (abs)
Differential pressure on the gate		≤ 2 bar
Differential pressure at opening		≤ 30 mbar
Conductance (molecular flow)		160 ls ⁻¹
Cycles until first service		50 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve Body – Actuator – Position indicator	≤ 250 °C open / ≤ 200 °C closed (bake-out max. 24h) ≤ 250 °C ≤ 80 °C
Heating and cooling rate		50 °C h ⁻¹
Material	– Valve Body – Gate – Bellows	AISI 304 (1.4301), AISI 316L (1.4435) AISI 304 (1.4301), AISI 316L (1.4404, 1.4435)
Seal	– Bonnet – Gate	metal FKM (Viton®), vulcanized
Mounting position		any
Weight		1.7 kg / 3.7 lbs

Position indicator

Type	Micro switch
Voltage	≤ 250 V AC ≤ 50 V DC
Current max.	5.0 A 3 A



Wiring diagram