



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Vacuum angle valve
Series 244, DN 250 (ID 10")
Ordering No. 24448-QE34-0002

Description

Flange	ISO-K 250
Actuator	Pneumatic, double acting – with solenoid valve – without position indicator
Feedthrough	Shaft feedthrough

Technical data

Leak rate (static)	– Valve body – Valve seat	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹ $< 1 \cdot 10^{-9}$ mbar ls ⁻¹
Pressure range		$1 \cdot 10^{-7}$ mbar to 1.6 bar (abs)
Differential pressure on the plate	– In opening direction – In closing direction	≤ 1.2 bar ≤ 1.6 bar
Differential pressure at opening		≤ 1 bar [1 bar with reduced number of cycles]
Conductance (molecular flow)		3100 ls ⁻¹
Actuation time	– Closing – Opening	≤ 3 sec. ≤ 3 sec.
Cycles until first service (Tmax 80°C, under clean conditions)		1'000'000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body – Actuator – Solenoid valve	≤ 150 °C ≤ 120 °C ≤ 70 °C
Material	– Valve body – Actuator – Plate – Shaft feedthrough	AISI 304(1.4301) Aluminum AISI 304(1.4301) AISI 304(1.4301)
Seal	– Bonnet O-ring – Plate O-ring – Feedthrough O-ring – Actuator O-ring	FKM (Viton®) FKM (Viton®) FKM (Viton®) FKM (Viton®)
Weight		46 kg / 101 lbs
Mounting position		any
Volume of pneumatic actuator		2.5 l / 0.09 ft ³
Compressed air min. – max. overpressure		5 – 7 bar / 73 – 102 psi
Compressed air connection		G $\frac{1}{8}$ " female
Behavior in case of compressed air pressure drop	– Valve closed – Valve opened – During actuation	depending on customer installation depending on customer installation depending on customer installation

Created by: LIN	Release date: 19.03.2015	1/2
Modified by:	Release date:	791502EA



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

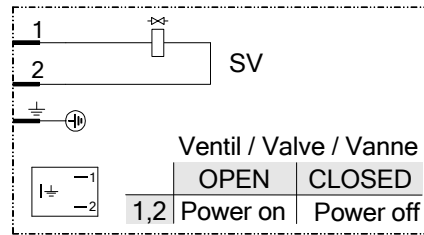
Vacuum angle valve
Series 244, DN 250 (ID 10")
Ordering No. 24448-QE34-0002

Behavior in case of power failure – Valve closed Valve remains closed and leaktight
– Valve opened Valve closes leaktight
– During actuation Valve closes leaktight

Electrical connection

Solenoid valve

Type 5/2 way
Voltage See solenoid
Power See solenoid
Connection type Rectangle plug,
Type B



Wiring diagram

Created by: LIN	Release date: 19.03.2015	2/2
Modified by:	Release date:	791502EA