



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet No. 285675EC

**Vacuum Angle Valve, Series 244, DN 63 (ID 2 1/2 ")**

**Ordering No. 24436-QA41 or 24436-QE41**

### Description

Flanges	ISO-K63
Actuator	- pneumatic, single acting with closing spring - with solenoid - with position indicator "open" and "closed"
Feedthrough	shaft feedthrough

### Technical data

Leak rate	- body & valve seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Molecular flow conductance		160 ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-7}$ mbar to 4 bar, abs
Differential pressure on the plate:		
- in opening direction		≤ 2 bar
- in closing direction		≤ 5 bar
Differential pressure at opening:		
- in opening direction		≤ 1 bar
- in closing direction		≤ 1 bar
		≤ 3 bar with reduced cycle lifetime (min. 450 000) (compressed air pressure > 5 bar required to open)
Closing time		≤ 0,7 sec.
Admissible temperature:		
	- valve body, actuator	0°C - 120°C
	- solenoid	0°C - 80°C
	- position indicator	0°C - 80°C
Cycles until first service		3 million (T <sub>max</sub> 80°C, differential pressure max. 1 bar)
Material:		
		<b>24436-QA41</b> <b>24436-QE41</b>
	- valve body	Aluminum(EN AW-6060)    AISI 304(1.4301)
	- pneumatic actuator	Aluminum                      Aluminum
	- valve plate	AISI 316L(1.4435 ESU)    AISI 316L(1.4435 ESU)
	- feedthrough	Aluminum(EN AW 6082)    AISI 304(1.4301)
	- bonnet & plate seal	Viton                              Viton
	- actuator o-rings	Viton                              Viton
Weight		4 kg / 8.8 lbs                      5.5 kg / 12.1 lbs
Mounting position		any
Volume of air cylinder		0,112 l / 0,0040 ft <sup>3</sup>
Compressed air pressure for pneumatic		4 - 8 bar / 60 - 115 psi
Compressed air connection		G1/8" female

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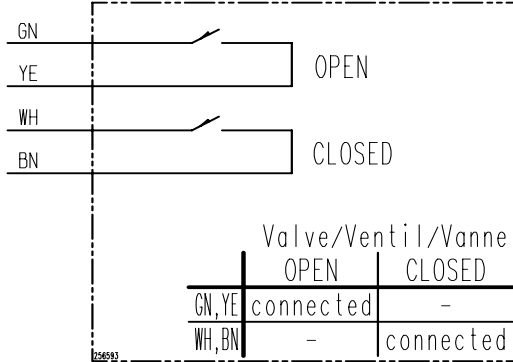
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Position indicator: contact rating

- Voltage  $\leq 50V$  AC / DC
- Current  $\leq 0.1A$
- Power  $\leq 1 W$



Solenoid

see label on solenoid

