



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet No. 286847EC

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

Ordering No. 24436-QA21 or 24436-QE21

Description

Flanges	ISO-K63
Actuator	- pneumatic, single acting with closing spring - without solenoid - with position indicator "open" and "closed"
Feedthrough	shaft feedthrough

Technical data

Leak rate	- body & valve seat	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
Molecular flow conductance		160 ls ⁻¹
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
- position indicator		0°C - 80°C
Cycles until first service		3 million (T _{max} 80°C, differential pressure max. 1 bar)
Material:		
- valve body	24436-QA21	24436-QE21
- pneumatic actuator	Aluminum(EN AW-6060)	AISI 304(1.4301)
- valve plate	Aluminum	Aluminum
- feedthrough	AISI 316L(1.4435 ESU)	AISI 316L(1.4435 ESU)
- bonnet & plate seal	Aluminum(EN AW 6082)	AISI 304(1.4301)
- actuator o-rings	Viton	Viton
	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 ³	
Compressed air pressure for pneumatic	4 - 8 bar / 60 - 115 psi	
Compressed air connection	1/8" female ISO/NPT	

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Position indicator: contact rating

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

