



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet No. 258721EA

Vacuum Angle Valve, Series 244, DN 50 (ID 2 ")

Ordering No. 24434-KA21 or 24434-KE21

Description

Flanges	ISO-KF50
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		80 ls ⁻¹
Pressure range		$1 \cdot 10^{-7}$ mbar to 5 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		$\leq 0,65$ sec.
Admissible temperature:	- valve body, actuator - position indicator	0°C - 120°C 0°C - 80°C (option 120°C)
Cycles until first service		3 million (T _{max} 80°C, differential pressure max. 1 bar)
Material:	- valve body - pneumatic actuator - valve plate - feedthrough - bonnet & plate seal - actuator o-rings	24434-KA21 Aluminum (AlMgSi) Aluminum AISI 316L Aluminum Viton Viton 24434-KE21 Stainless Steel (AISI 304) Aluminum AISI 316L Aluminum Viton Viton
Weight		1,47 kg / 3,241 lbs 1,63 kg / 3,593 lbs
Mounting position		any
Volume of air cylinder		0,047 l / 0,0017 ft ³
Compressed air pressure for pneumatic		4 - 8 bar / 60 - 115 psi
Compressed air connection		M5 female (option others)
Position indicator: contact rating	- Voltage - Current - Power	≤ 50 V AC / DC $\leq 0,1$ A ≤ 1 W

Created by: C. Baur	Release date: 2005.03.22	Page 1 of 2
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Electrical connection Elektrischer Anschluss Branchement électrique

Lo

Position indicator "open"

Lagemelder "offen"

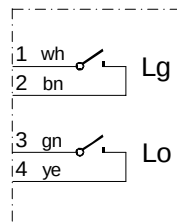
Indicateur de position "ouvert"

Lg

Position indicator "closed"

Lagemelder "geschlossen"

Indicateur de position "fermé"



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