



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet No. 258331EB

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

Ordering No. 24434-KA41 or 24434-KE41

Description

Flanges	ISO-KF50
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 ⁻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		1 bar in either direction
Closing time		≤ 0,65 sec.
Admissible temperature:		
- valve body, actuator		0°C - 120°C
- solenoid		0°C - 80°C
- position indicator		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	24434-KA41 Aluminum (AlMgSi)	24434-KE41 Stainless Steel (AISI 304)
- pneumatic actuator	Aluminum	Aluminum
- valve plate	AISI 316L	AISI 316L
- feedthrough	Aluminum	Aluminum
- bonnet & plate seal	Viton	Viton
- actuator o-rings	Viton	Viton
Weight	1,5 kg / 3,4 lbs	1,7 kg / 3,7 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	0,1A / 50V AC 0,1A / 50V DC 1,0 W	
Solenoid	24V DC (option others)	

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