



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet No. 243596EB

**Vacuum Angle Valve, Series 244, DN 16 (ID 5/8 ")**

**Ordering No. 24424-KA11 or 24424-KE11**

### Description

Flanges	ISO-KF16
Actuator	- pneumatic, single acting with closing spring - without solenoid - without position indicator
Feedthrough	shaft feedthrough

### Technical data

Leak rate	- body & valve seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Molecular flow conductance		5 ls <sup>-1</sup>
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		≤ 0,1 sec.
Admissible temperature:		
	- valve body, actuator	0°C - 120°C
Cycles until first service		3 million (T <sub>max</sub> 80°C, differential pressure max. 1 bar)
Material:		
	- valve body	<b>24424-KA11</b> Aluminum (AlMgSi) <b>24424-KE11</b> Stainless Steel (AISI 304)
	- pneumatic actuator	Aluminum
	- valve plate	AISI 316L
	- feedthrough	Aluminum
	- bonnet & plate seal	Viton
	- actuator o-rings	Viton
Weight		0,28 kg / 0,617 lbs      0,34 kg / 0,750 lbs
Mounting position		any
Volume of air cylinder		0,004 l / 0,0001 ft <sup>3</sup>
Compressed air pressure for pneumatic		4 - 8 bar / 60 - 115 psi
Compressed air connection		M5 female (option others)

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