



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet No. 260348EB

Vacuum Angle Valve, Series 244, DN 80 (ID 3 ")

Ordering No. 24438-QA11

### Description

Flanges	ISO-K80
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		200 ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-7}$ mbar to 4 bar, abs
Differential pressure on the plate:		
- in opening direction		$\leq 1,2$ bar
- in closing direction		$\leq 4$ bar
Differential pressure at opening:		
- in opening direction		$\leq 1$ bar
- in closing direction		$\leq 1$ bar
Closing time		$\leq 0,7$ 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:		<b>24438-QA11</b>
- valve body		Aluminum (EN AC-42000)
- pneumatic actuator		Aluminum
- valve plate		AISI 316L (1.4435 ESU)
- feedthrough		Aluminum (EN AW 6082)
- bonnet & plate seal		Viton
- actuator o-rings		Viton
Weight		3,5 kg / 7.7 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		female 1/8" (ISO/NPT)

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