



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet No. 268348EB

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

Ordering No. 24424-KA12 or 24424-KE12

Description

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

Technical data

| | | |
|---------------------------------------|------------------------|--|
| Leak rate | - body & valve seat | $< 1 \cdot 10^{-9}$ mbar ls ⁻¹ |
| Molecular flow conductance | | 5 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) |
| Closing time | | $\leq 0,1$ sec. |
| Admissible temperature: | - valve body, actuator | 0°C - 120°C |
| Cycles until first service | | 3 million (T _{max} 80°C, differential pressure max. 1 bar) |
| Material: | | |
| | - valve body | 24424-KA12 Aluminum (AlMgSi) 24424-KE12 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 ³ |
| Compressed air pressure for pneumatic | | 4 - 8 bar / 60 - 115 psi |
| Compressed air connection | | M5 female (option others) |

| | | |
|---------------------|--------------------------|-----------------|
| Created by: C. Baur | Release date: 2008-05-29 | Page 1 of 1 |
| Modified by:: | Release date: | 268348EB |