



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet No. 243621EB

Vacuum Angle Valve, Series 244, DN 40 (ID 1 1/2 ")

Ordering No. 24432-KA11 or 24432-KE11

Description

| | |
|-------------|--|
| Flanges | ISO-KF40 |
| 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 ⁻¹ |
| Molecular flow conductance | | 45 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 | | $\leq 0,55$ 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 | 24432-KA11 Aluminum (AlMgSi) |
| | - pneumatic actuator | Aluminum |
| | - valve plate | AISI 316L |
| | - feedthrough | Aluminum |
| | - bonnet & plate seal | Viton |
| | - actuator o-rings | Viton |
| | | 24432-KE11 Stainless Steel (AISI 304) |
| | | Aluminum |
| | | AISI 316L |
| | | Aluminum |
| | | Viton |
| | | Viton |
| Weight | | 0,97 kg / 2,138 lbs 1,13 kg / 2,491 lbs |
| Mounting position | | any |
| Volume of air cylinder | | 0,035 l / 0,0012 ft ³ |
| Compressed air pressure for pneumatic | | 4 - 8 bar / 60 - 115 psi |
| Compressed air connection | | M5 female (option others) |

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| Created by: C. Baur | Release date: 2005.03.16 | Page 1 of 1 |
| Modified by:: | Release date: | 243621EB |