



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet No. 263523EB

Vacuum Inline Valve, Series 245, DN 16 (ID 5/8 ")

Ordering No. 24524-KA41 or 24524-KE41

Description

| | |
|-------------|--|
| Flanges | ISO-KF16 |
| 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 |
| 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 | | $\leq 0,1$ 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 | 24524-KA41 | 24524-KE41 |
| - pneumatic actuator | Aluminum (AlMgSi) | Stainless Steel (ALSI 304) |
| - valve plate | Aluminum | Aluminum |
| - feedthrough | AISI 316L | ALSI 316L |
| - bonnet & plate seal | Aluminum | ALSI 316L |
| - actuator o-rings | Viton | Viton |
| | Viton | Viton |
| 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) |
| Position indicator: contact rating | | |
| - Voltage | | ≤ 50 V AC / DC |
| - Current | | ≤ 0.1 A |
| - Power | | ≤ 1 W |
| Solenoid | | 24V / DC (option others) |

| | | |
|----------------------------|--------------------------|-----------------|
| Created by: C. Baur | Release date: 2005-02-08 | Page 1 of 2 |
| Modified by: M.Eggenberger | Release date: 2009-02-12 | 263523EB |



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet No. 263523EB

Vacuum Inline Valve, Series 245, DN 16 (ID 5/8 ")

Ordering No. 24524-KA41 or 24524-KE41

