



Product data sheet No. 243619EC

Vacuum Angle Valve, Series 244, DN 25 (ID 1 ")

Ordering No. 24428-KA21 or 24428-KE21

Description

| | |
|-------------|---|
| Flanges | ISO-KF25 |
| Actuator | - pneumatic, single acting with closing spring - without solenoid - with position indicator "open" and "closed" |
| Feedthrough | shaft feedthrough |

Technical data

| | | |
|---------------------------------------|----------------------------------|---|
| Leak rate | - body & valve seat | $< 1 \cdot 10^{-9}$ mbar ls ⁻¹ |
| Molecular flow conductance | | 14 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 | | $\leq 0,2$ sec. |
| Admissible temperature: | | |
| - valve body, actuator | | 0°C - 120°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 | 24428-KA21 | 24428-KE21 |
| - pneumatic actuator | Aluminum (AlMgSi) | Stainless Steel (AISI 304) |
| - valve plate | Aluminum | Aluminum |
| - feedthrough | AISI 316L | AISI 316L |
| - bonnet & plate seal | Aluminum | Aluminum |
| - actuator o-rings | Viton | Viton |
| | Viton | Viton |
| Weight | 0,43 kg / 0,948 lbs | 0,53 kg / 1,168 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) | |
| Position indicator: contact rating | | |
| - Voltage | | ≤ 50 V AC / DC |
| - Current | | ≤ 0.1 A |
| - Power | | ≤ 1 W |

| | | |
|---------------------|--------------------------|-----------------|
| Created by: C. Baur | Release date: 2005.03.16 | Page 1 of 2 |
| Modified by:: | Release date: | 243619EC |



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Electrical connection Elektrischer Anschluss Branchement électrique

Lo

Position indicator "open"

Lagemelder "offen"

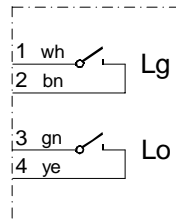
Indicateur de position "ouvert"

Lg

Position indicator "closed"

Lagemelder "geschlossen"

Indicateur de position "fermé"



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