



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Vacuum angle valve
Series 244, DN 40 (ID 1 1/2")
Ordering No. 24432-KA01-0001

Description

| | |
|-------------|-------------------|
| Flange | ISO-KF 40 |
| Actuator | Manual actuator |
| Feedthrough | Shaft feedthrough |

Technical data

| | | |
|--|------------------------|---|
| Leak rate | – Valve body | $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$ |
| | – Valve seat | $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$ |
| Pressure range | | $1 \cdot 10^{-7} \text{ mbar to 5 bar (abs)}$ |
| Differential pressure on the plate | – In opening direction | $\leq 2 \text{ bar}$ |
| | – In closing direction | $\leq 5 \text{ bar}$ |
| Differential pressure at opening | | $\leq 1 \text{ bar}$ |
| Conductance (molecular flow) | | 45 ls^{-1} |
| Cycles until first service (Tmax 80 °C, under clean conditions) | | 10 000 |
| Temperature (Maximum values: depending on operating conditions and sealing materials) | – Valve body | $\leq 150 \text{ °C}$ |
| | – Hand wheel | $\leq 120 \text{ °C}$ |
| Material | – Valve body | Aluminum (EN AW-6060) |
| | – Hand wheel | Plastic |
| | – Plate | AISI 316L (1.4435 ESU) |
| | – Feedthrough | Aluminum |
| Seal | – Bonnet O-ring | FKM (Viton®) |
| | – Plate O-ring | FKM (Viton®) |
| | – Feedthrough O-ring | FKM (Viton®) |
| Weight | | 1.0 kg / 2.205 lbs |
| Mounting position | | any |

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| Created by: WARO | Release date: 25.03.2014 | 1/1 |
| Modified by: | Release date: | 742496EA |