



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**Vacuum angle valve**  
**Series 244, DN 25 (ID 1")**  
**Ordering No. 24428-KE01-0001**

### Description

Flange	ISO-KF 25
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)		$14 \text{ ls}^{-1}$
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	Stainless Steel (AISI 304)
	– Hand wheel	Plastic
	– Plate	AISI 316L (1.4435 ESU)
	– Feedthrough	Stainless Steel
Seal	– Bonnet O-ring	FKM (Viton®)
	– Plate O-ring	FKM (Viton®)
	– Feedthrough O-ring	FKM (Viton®)
Weight		0.52 kg / 1.146 lbs
Mounting position		any

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