



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**Vacuum inline valve**  
**Series 245, DN 50 (ID 2")**  
**Ordering No. 24534-KA01-0001**

### Description

Flange	ISO-KF 50
Actuator	Manual actuator
Feedthrough	Shaft feedthrough

### Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
	– Valve seat	$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>
Pressure range		$1 \cdot 10^{-7}$ mbar to 5 bar (abs)
Differential pressure on the plate	– In opening direction	$\leq 2$ bar
	– In closing direction	$\leq 5$ bar
Differential pressure at opening		$\leq 1$ bar
Conductance (molecular flow)		80 ls <sup>-1</sup>
Cycles until first service (Tmax 80 °C, under clean conditions)		10 000
Temperature (Maximum values: depending on operating conditions and sealing materials)	– Valve body	$\leq 150$ °C
	– Hand wheel	$\leq 120$ °C
Material	– Valve body	Aluminum (EN AW-6082)
	– 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		2.36 kg / 5.20 lbs
Mounting position		any

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