



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Vacuum angle valve
Series 244, DN 50 (ID 2")
Ordering No. 24434-KE01-0001

Description

Flange	ISO-KF 50
Actuator	Manual actuator
Feedthrough	Shaft feedthrough

Technical data

Leak rate	– Valve body	$< 1 \cdot 10^{-9}$ mbar ls ⁻¹
	– 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		≤ 1 bar
Conductance (molecular flow)		80 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	≤ 150 °C
	– Hand wheel	≤ 120 °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		1.65 kg / 3.64 lbs
Mounting position		any

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