



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Vacuum inline valve
Series 245, DN 40 (ID 1 1/2")
Ordering No. 24532-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		$1 \cdot 10^{-7} \text{ mbar to } 5 \text{ bar (abs)}$
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		1.10 kg / 2.42 lbs
Mounting position		any

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