



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

Vacuum inline valve
Series 245, DN 50 (ID 2")
Ordering No. 24534-KE01-0001

Description

Flange	ISO-KF 50
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)		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	$\leq 150 \text{ °C}$
	- 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		2.15 kg / 4.74 lbs
Mounting position		any

Created by: WARO	Release date: 26.03.2014	1/1
Modified by:	Release date:	742549EA