



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV angle valve

Series 264, DN 80 (ID 3")

Ordering No. 26438-QA01-0002

Description

Flange	ISO-K 80
Actuator	Manual actuator
Feedthrough	Bellows

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		$1 \cdot 10^{-8} \text{ mbar to 4 bar (abs)}$
Differential pressure on the plate	– In opening direction	$\leq 1.2 \text{ bar}$
	– In closing direction	$\leq 4 \text{ bar}$
Differential pressure at opening		$\leq 1 \text{ bar}$
Conductance (molecular flow)		200 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 AC-42100S)
	– Hand wheel	Plastic
	– Plate	AISI 316L (1.4435 ESU)
	– Bellows	AISI 316L (1.4404, 1.4435), AISI 316 Ti (1.4571)
Seal	– Bonnet O-ring	FKM (Viton®)
	– Plate O-ring	FKM (Viton®)
Weight		2.65 kg / 5.842 lbs
Mounting position		any

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