



VAT Vakuumventile AG
CH-9469 Haag, Schweiz

Product data sheet

HV angle valve
Series 264, DN 100 (ID 4'')
Ordering No. 26440-QE01-0001

Description

Flange	ISO-K 100
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		$1 \cdot 10^{-8} \text{ mbar to 2 bar (abs)}$
Differential pressure on the plate	- In opening direction	$\leq 1.2 \text{ bar}$
	- In closing direction	$\leq 2 \text{ bar}$
Differential pressure at opening		$\leq 1 \text{ bar [1 bar with reduced number of cycles]}$
Conductance (molecular flow)		440 ls^{-1}
Cycles until first service (tested at room temp. under clean and static vacuum conditions)		10'000
Temperature (Maximum values: depending on operating conditions and sealing materials)	- Valve body	$\leq 150 \text{ }^\circ\text{C}$
	- Actuator / Hand wheel	$\leq 80 \text{ }^\circ\text{C}$
Material	- Valve body	AISI 316L (1.4404)
	- Actuator	Aluminum (black anodized)
	- Plate	AISI 316L (1.4404)
	- Bellows	AISI 316 Ti (1.4571)
	- Hand wheel	Plastic
Seal	- Bonnet O-ring	FKM (Viton®)
	- Plate O-ring	FKM (Viton®)
Weight		6.5 kg / 14 lbs
Mounting position		any

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