



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

**Product data sheet No. 292677EB**  
**HV Inline Valve, Series 251, DN 40 (ID 1 1/2")**  
**Ordering No. 25132-KA14**

## Description

Flanges	ISO-KF40
Actuator	- pneumatic, double acting - without position indicator
Feedthrough	rotary feedthrough

## Technical data

Leak rate:		
	- Body	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
	- Valve seat	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Molecular flow conductance		$55 \text{ ls}^{-1}$
Pressure range		$1 \cdot 10^{-8} \text{ mbar to 3 bar (abs)}$
Differential pressure on the plate		
	- in opening direction	$\leq 1.2 \text{ bar}$
	- in closing direction	$\leq 3.0 \text{ bar}$
Differential pressure at opening		$\leq 1.2 \text{ bar}$
Closing time / opening time		0.6s / 0.6s
Admissible temperature:		
	- Valve	0°C - 120°C
Cycles until first service		100'000 ( $T_{\text{max}} 80^\circ\text{C}$ )
Material:		
	- Body	EN AW 6082
	- Gate	EN AW 6082
	- Bonnet flange	EN AW 6082
	- Shaft	AISI 316L (1.4435) with Ni-PTFE coating
	- Gate fixation screw / washer	A4-80 with Ni-PTFE coating
	- Gate seal	VITON
	- Bonnet seal	VITON
	- Feedthrough seal	VITON
Weight		approx. 1.7 kg / 3.7 lbs
Mounting position		any
Volume of air cylinder		0.032 l / 0.0011 ft <sup>3</sup>
Compressed air pressure for pneumatic		4 - 8 bar / 58 - 116 psi
Compressed air connection		female M5 (10-32 UNF suitable)

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