



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

**Product data sheet No. 292685EB**  
**HV 3/2 Way Valve, Series 252, DN 25 (ID 1 ")**  
**Ordering No. 25228-EA14**

## Description

Flanges	ISO-KF25 claw
Actuator	- pneumatic, double acting - without position indicator
Feedthrough	rotary feedthrough

## Technical data

Leak rate:	- Body - Valve seat	$< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$ $< 1 \cdot 10^{-9} \text{ mbar ls}^{-1}$
Molecular flow conductance	- Direction 1 $\leftrightarrow$ 2 - Direction 1 $\leftrightarrow$ 3	$31 \text{ ls}^{-1}$ $24 \text{ ls}^{-1}$
Pressure range		$1 \cdot 10^{-8} \text{ mbar}$ to 3 bar (abs)
Differential pressure on the plate	- in opening direction - in closing direction	$\leq 1.2 \text{ bar}$ $\leq 3.0 \text{ bar}$
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 - Gate - Bonnet flange - Shaft - Gate fixation screw / washer - Gate seal - Bonnet seal - Feedthrough seal	EN AW 6082 EN AW 6082 EN AW 6082 AISI 316L (1.4435) with Ni-PTFE coating A4-80 with Ni-PTFE coating VITON VITON VITON
Weight		approx. 1.4 kg / 3 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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