



VAT Vakuumentile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**HV inline valve, Series 265, DN 25 (ID 1 ")**  
**Ordering No. 26528-KE12-0003**

### Description

|             |  |
|-------------|--|
| Flange      | ISO-KF 25  |
| Actuator    | Pneumatic, single acting with opening spring<br>– without solenoid valve<br>– without position indicator |
| Feedthrough | Bellows  |

### Technical data

|  |  |   |
|--|--|---|
| Leak rate  | – Valve body<br>– Valve seat                           | $< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup><br>$< 1 \cdot 10^{-9}$ mbar ls <sup>-1</sup>                  |
| Pressure range   |  | $1 \cdot 10^{-8}$ mbar to 5 bar (abs)   |
| Differential pressure on the plate   | – in opening direction<br>– in closing direction       | $\leq 2$ bar<br>$\leq 5$ bar  |
| Differential pressure at opening   |  | $\leq 1$ bar  |
| Conductance (molecular flow)   |  | 14 ls <sup>-1</sup>   |
| Closing time   |  | $\leq 0.2$ sec.   |
| Cycles until first service<br>(Tmax 80°C, differential pressure max. 1 bar)              |  | 3 million   |
| Temperature<br>(Maximum values: depending on operating conditions and sealing materials) | – Valve body<br>– Actuator                             | $\leq 150$ °C<br>$\leq 120$ °C  |
| Material   | – Valve body<br>– Actuator<br>– Plate<br>– Bellows     | AISI 304 (1.4301)<br>Aluminum<br>AISI 316L (1.4404)<br>AISI 316L (1.4404, 1.4435), AISI 316 Ti (1.4571) |
| Seal   | – Bonnet O-ring<br>– Plate O-ring<br>– Actuator O-ring | FKM (Viton®)<br>FKM (Viton®)<br>FKM (Viton®)  |
| Weight   |  | 0.7 kg / 1.54 lbs   |
| Mounting position  |  | any   |
| Volume of pneumatic actuator   |  | 0.011 l / 0.0004 ft <sup>3</sup>  |
| Compressed air<br>min. – max. overpressure   |  | 4 – 8 bar / 58 – 116 psi  |
| Compressed air connection  |  | M5 female (10-32 UNF suitable)  |

|                       |                          |                 |
|-----------------------|--------------------------|-----------------|
| Created by: R. Walser | Release date: 2013-11-05 | 1 of 1          |
| Modified by:          | Release date:            | <b>604799EA</b> |