



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

### HV inline valve

Series 265, DN 25 (ID 1")

Ordering No. 26528-KA11-0001

## Description

|             |  |
|-------------|--|
| Flange      | ISO-KF 25  |
| Actuator    | Pneumatic, single acting with closing 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>(T <sub>max</sub> 80 °C, under clean conditions)           |  | 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     | Aluminum (EN AW-6060)<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   |  | 0.60 kg / 1.32 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: WARO | Release date: 23.04.2014 | 1/2             |
| Modified by:     | Release date:            | <b>746488EA</b> |



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|  |  |  |
|--|--|--|
| Behavior in case of compressed air pressure drop | <ul style="list-style-type: none"><li>- Valve closed</li><li>- Valve opened</li><li>- During actuation</li></ul> | <ul style="list-style-type: none"><li>valve remains closed and leaktight</li><li>valve closes leaktight</li><li>valve closes leaktight</li></ul>                         |
| Behavior in case of power failure                | <ul style="list-style-type: none"><li>- Valve closed</li><li>- Valve opened</li><li>- During actuation</li></ul> | <ul style="list-style-type: none"><li>depending on customer installation</li><li>depending on customer installation</li><li>depending on customer installation</li></ul> |

|                  |                          |                 |
|------------------|--------------------------|-----------------|
| Created by: WARO | Release date: 23.04.2014 | 2/2             |
| Modified by:     | Release date:            | <b>746488EA</b> |