



VAT Vakuumventile AG  
CH-9469 Haag, Schweiz

## Product data sheet

**HV angle valve, Series 264, DN 50 (ID 2")**  
**Ordering No. 26434-KA32-0001**

### Description

|             |                                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------|
| Flange      | ISO-KF 50                                                                                             |
| Actuator    | Pneumatic, single acting with opening spring<br>– with 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)                                                                   |                                                        | 80 ls <sup>-1</sup>                                                                                                |
| Closing time                                                                                   |                                                        | $\leq 0.25$ sec.                                                                                                   |
| Cycles until first service<br>(Tmax 80°C, differential<br>pressure max. 1 bar)                 |                                                        | 3 million                                                                                                          |
| Temperature<br>(Maximum values: depending<br>on operating conditions and<br>sealing materials) | – Valve body<br>– Actuator<br>– Solenoid valve         | $\leq 150$ °C<br>$\leq 120$ °C<br>$\leq 80$ °C                                                                     |
| Material                                                                                       | – Valve body<br>– Actuator<br>– Plate<br>– Bellows     | Aluminum (EN AW-6060 T5)<br>Aluminum<br>AISI 316L (1.4435 ESU)<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                                                                                         |                                                        | 2.10 kg / 4.63 lbs                                                                                                 |
| Mounting position                                                                              |                                                        | any                                                                                                                |
| Volume of pneumatic actuator                                                                   |                                                        | 0.047 l / 0.0017 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: A. Rietzler | Release date: 2013-09-09 | 1 of 2          |
| Modified by:            | Release date:            | <b>272080EC</b> |



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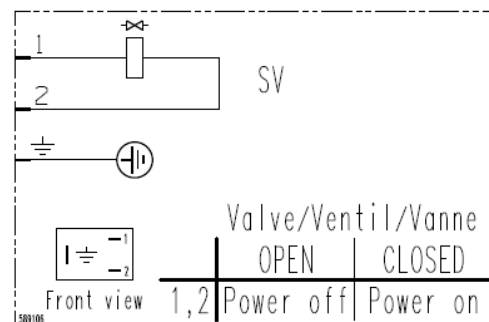
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### Electrical connections

#### Solenoid valve

|           |                                          |
|-----------|------------------------------------------|
| Type      | 3/2-way                                  |
| Voltage   | See solenoid                             |
| Power     | See solenoid                             |
| Connector | Rectangle plug,<br>Type B (DIN standard) |
| Cable     | Ø6 – 8 mm                                |



Wiring diagram

|                         |                          |                 |
|-------------------------|--------------------------|-----------------|
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