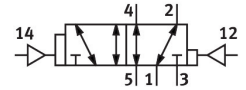
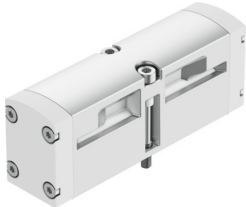


# Pneumatic valve VSPA-B-D52-A1

Part number: 546715

**FESTO**



[PDF](#) General operating condition

## Data sheet

| Feature                                               | Value                                                                                      |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                                        | 5/2-way, bistable, dominant                                                                |
| Type of actuation                                     | Pneumatic                                                                                  |
| Construction width                                    | 26 mm                                                                                      |
| Standard nominal flow rate (standardised to DIN 1343) | 1100 l/min                                                                                 |
| pneumatic working port                                | Sub-base size 26 mm to ISO 15407-1<br>Sub-base size 01 to VDMA 24563<br>G1/4               |
| Operating pressure                                    | -0.9 bar ... 16 bar                                                                        |
| Design                                                | Piston gate valve                                                                          |
| Nominal size                                          | 9 mm                                                                                       |
| Exhaust-air function                                  | With flow control option                                                                   |
| Sealing principle                                     | Soft                                                                                       |
| Mounting position                                     | optional                                                                                   |
| Conforms to standard                                  | ISO 15407-1<br>VDMA 24563                                                                  |
| Type of piloting                                      | Direct                                                                                     |
| Flow direction                                        | Reversible                                                                                 |
| Symbol                                                | 00991042                                                                                   |
| lap                                                   | Overlap                                                                                    |
| Pilot pressure                                        | 2 bar ... 10 bar                                                                           |
| Flow rate of valve                                    | 1400 l/min                                                                                 |
| Flow rate of valve on individual sub-base             | 1100 l/min                                                                                 |
| Flow rate of pneumatically interlinked valve          | 1100 l/min                                                                                 |
| Switching time reversal                               | 10 ms                                                                                      |
| Explosion protection                                  | Zone 2 (ATEX)<br>Zone 22 (ATEX)                                                            |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium                    | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                        | 0 - No corrosion stress                                                                    |
| LABS (PWIS) conformity                                | VDMA24364-B1/B2-L                                                                          |
| Media temperature                                     | -10 °C ... 60 °C                                                                           |
| Relative air humidity                                 | 0 - 90%                                                                                    |
| Pilot medium                                          | Compressed air to ISO 8573-1:2010 [7:4:4]                                                  |
| Ambient temperature                                   | -10 °C ... 60 °C                                                                           |
| Max. tightening torque for valve mounting             | 1.8 Nm ... 2.2 Nm                                                                          |
| Product weight                                        | 180 g                                                                                      |

| Feature                      | Value                              |
|------------------------------|------------------------------------|
| Pilot air port 12            | Sub-base size 26 mm to ISO 15407-1 |
| Pilot air port 14            | Sub-base size 26 mm to ISO 15407-1 |
| Pneumatic connection, port 1 | Sub-base size 26 mm to ISO 15407-1 |
| Pneumatic connection, port 2 | Sub-base size 26 mm to ISO 15407-1 |
| Pneumatic connection, port 3 | Sub-base size 26 mm to ISO 15407-1 |
| Pneumatic connection, port 4 | Sub-base size 26 mm to ISO 15407-1 |
| Pneumatic connection, port 5 | Sub-base size 26 mm to ISO 15407-1 |
| Note on materials            | RoHS-compliant                     |
| Material seals               | NBR                                |
| Material housing             | Die-cast aluminium                 |
| Material screws              | Steel<br>Galvanised                |