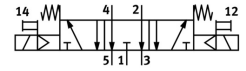


# Basic valve VSVA-B-P53E-A1-P1

Part number: 546745

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                      | Value                                                                                      |
|----------------------------------------------|--------------------------------------------------------------------------------------------|
| Valve function                               | 5/3 exhausted                                                                              |
| Type of actuation                            | Electric                                                                                   |
| Valve size                                   | 26 mm                                                                                      |
| Standard nominal flow rate                   | 1000 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                           | 0.3 MPa ... 1 MPa                                                                          |
| Operating pressure                           | 3 bar ... 10 bar                                                                           |
| Design                                       | Piston gate valve                                                                          |
| Type of reset                                | Mechanical spring                                                                          |
| Approval                                     | c UL us - Recognized (OL)                                                                  |
| Degree of protection                         | IP65<br>NEMA 4                                                                             |
| 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                             | Pilot actuated                                                                             |
| Pilot air supply                             | Internal                                                                                   |
| Flow direction                               | Non-reversible                                                                             |
| Symbol                                       | 00991082                                                                                   |
| lap                                          | Overlap                                                                                    |
| Signal status display                        | LED                                                                                        |
| Pilot pressure                               | 0.3 MPa ... 1 MPa                                                                          |
| Pilot pressure                               | 3 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 | 1000 l/min                                                                                 |
| 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) |
| Vibration resistance                         | Transport application test with severity level 2 to FN 942017-4 and EN 60068-2-6           |
| Shock resistance                             | Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27                          |

| Feature                                   | Value                                     |
|-------------------------------------------|-------------------------------------------|
| Corrosion resistance class CRC            | 0 - No corrosion stress                   |
| LABS (PWIS) conformity                    | VDMA24364-B1/B2-L                         |
| Media temperature                         | -5 °C ... 50 °C                           |
| Relative air humidity                     | 0 - 90%                                   |
| Sound pressure level                      | 85 dB(A)                                  |
| Pilot medium                              | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Ambient temperature                       | -5 °C ... 50 °C                           |
| Max. tightening torque for valve mounting | 1.8 Nm ... 2.2 Nm                         |
| Product weight                            | 229 g                                     |
| Type of mounting                          | On sub-base                               |
| Auxiliary pilot air port 12               | Sub-base size 26 mm to ISO 15407-1        |
| Auxiliary pilot air port 14               | Sub-base size 26 mm to ISO 15407-1        |
| Pilot exhaust port 82/84                  | Ducted<br>Not ducted as per standard      |
| 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        |
| Pilot control interface                   | To ISO 15218                              |
| Note on materials                         | RoHS-compliant                            |
| Material seals                            | HNBR<br>NBR                               |
| Material housing                          | Die-cast aluminium                        |
| Material screws                           | Steel<br>Galvanised                       |