

# Proportional pressure control valve VEAB-B-26-D12-F-V2-1R1

Part number: 8153668

**FESTO**



## Data sheet

| Feature                        | Value  |
|--------------------------------|--|
| Valve function                 | 3-way proportional pressure control valve            |
| Type of control                | Direct   |
| Reset method                   | Mechanical spring                                    |
| Actuation type                 | Electrical   |
| Mounting position              | Any  |
| Sealing principle              | Soft   |
| Total leakage                  | 1 l/h  |
| Ambient temperature            | 0 °C...50 °C   |
| Temperature of medium          | 5 °C...50 °C   |
| Storage temperature            | -20 °C...70 °C                                       |
| Dimensions W x L x H           | 18 mm x 67 mm x 66 mm                                |
| Pneumatic connection 1         | Flange   |
| Pneumatic connection 2         | Flange   |
| Pneumatic connection 3         | Flange   |
| Seals material                 | NBR  |
| Type of mounting               | With through-hole<br>With accessories<br>Optionally: |
| Inlet pressure 1 MPa           | 0 MPa...0.1 MPa                                      |
| Inlet pressure 1               | 0 bar...1 bar  |
| Inlet pressure 1 psi           | 0 psi...14.5 psi                                     |
| Output pressure 2              | 0.1 kPa...20 kPa<br>0.0145 psi...2.9 psi             |
| Outlet pressure 2              | 0.001 bar...0.2 bar                                  |
| Standard nominal flow rate     | 5 l/min  |
| Standard nominal flow rate 2-3 | 4 l/min  |
| Linearity                      | 0.8 %FS  |
| Reproducibility                | 0.4 %FS  |
| Hysteresis                     | 0.5 %FS  |
| Temperature coefficient        | 0.05 %/K   |
| Overall accuracy               | 0.8 %FS  |
| Product weight                 | 70 g   |

| Feature                                      | Value   |
|--|---|
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gas  |
| Information on operating and pilot media     | Operation with oil lubrication not possible   |
| Degree of protection                         | IP65  |
| Certification                                | RCM compliance mark   |
| KC characters                                | KC EMC  |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU RoHS directive   |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions   |
| Note on materials                            | RoHS-compliant  |
| LABS (PWIS) conformity                       | VDMA24364 zone III  |
| Corrosion resistance class (CRC)             | 2 - Moderate corrosion stress   |
| DC operating voltage range                   | 19 V...29 V   |
| Nominal operating voltage DC                 | 24 V  |
| Residual ripple                              | 10 %  |
| Reference value                              | 0 - 5 V   |
| Analog output signal range                   | 1 - 5 V   |
| Precision analog output in $\pm$ %FS         | 2 %FS   |
| Max. electrical power consumption            | 1 W   |
| Reverse polarity protection                  | for all electrical connections  |
| Short-circuit protection                     | For all electrical connections  |
| Safety instructions                          | VEAA/VEAB safety position: if the electrical power supply is lost, the outlet pressure is maintained in uncontrolled form, it may increase or fall – pneumatic valve blocked. |
| Display type                                 | LED   |
| Electrical connection                        | 4-pin<br>M8x1<br>Plug<br>as per EN 60947-5-2  |
| Housing material                             | PA-reinforced   |