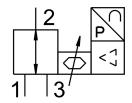
## Proportional pressure regulator VEAB-B-26-D18-F-V2-1R1 Part number: 8153679

**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   |
| Ambient temperature            | 0 °C50 °C  |
| Temperature of medium          | 5 °C50 °C  |
| Storage temperature            | -20 °C70 °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               | Optionally:<br>With through-hole<br>With accessories |
| Inlet pressure 1 MPa           | 0 MPa0.55 MPa  |
| Inlet pressure 1               | 0 bar5.5 bar   |
| Inlet pressure 1 psi           | 0 psi79.75 psi                                       |
| Output pressure 2              | -100 kPa500 kPa<br>-14.5 psi72.5 psi                 |
| Outlet pressure 2              | -1 bar5 bar  |
| Inlet pressure 3               | -0.1 MPa<br>-1 bar<br>-14.5 psi                      |
| Standard nominal flow rate     | 21 l/min   |
| Standard nominal flow rate 2-3 | 14.5 l/min   |
| Linearity error FS             | 0.5 %  |
| Repetition accuracy in ± %FS   | 0.4 %FS  |
| Hysteresis in ± %FS            | 0.25 %FS   |
| Temperature coefficient        | 0.05 %/K   |

| Feature  | Value   |
|--|---|
| Absolute accuracy in ± %FS at room temperature | 0.75 %FS  |
| Product weight                                 | 70 g  |
| 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 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 V29 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 ± %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   |