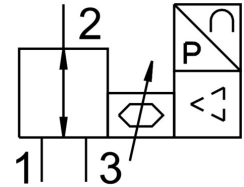


# Proportional pressure regulator VEAB-B-26-D25-F-V2-1R1

Part number: 8153684

FESTO



[PDF](#) General operating condition

## 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   |
| Symbol   | 00995607   |
| 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                               | Optionally:<br>With through-hole<br>With accessories       |
| Inlet pressure 1 MPa                           | 0 MPa ... 0.55 MPa   |
| Inlet pressure 1                               | 0 bar ... 5.5 bar  |
| Inlet pressure 1 psi                           | 0 psi ... 79.75 psi  |
| Output pressure 2                              | 0.0025 MPa ... 0.5 MPa                                     |
| Outlet pressure 2                              | 0.025 bar ... 5 bar  |
| Output pressure 2                              | 0.3625 psi ... 72.5 psi                                    |
| Standard nominal flow rate                     | ≥20 l/min  |
| Standard nominal flow rate 2-3                 | ≥20 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   |
| 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                |

| Feature                                      | Value   |
|--|---|
| 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 ± %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   |