

# Proportional-pressure regulator VEAB-B-26-D7-F-A4-1R1

FESTO

Part number: 8046268



## Data sheet

| Feature   | Value   |
|---|---|
| Valve function  | 3-way proportional pressure regulator                           |
| Type of piloting                                      | Direct  |
| Type of reset   | Mechanical spring   |
| Type of actuation                                     | Electric  |
| Mounting position                                     | optional  |
| Sealing principle                                     | Soft  |
| Total leakage   | 1 l/h   |
| Ambient temperature                                   | 0 °C...50 °C  |
| Media temperature                                     | 5 °C...50 °C  |
| Storage temperature                                   | -20 °C...70 °C  |
| Dimensions (W x L x H)                                | 18 x 67 x 66 mm   |
| Pneumatic connection, port 1                          | Flange  |
| Pneumatic connection, port 2                          | Flange  |
| Pneumatic connection, port 3                          | Flange  |
| Material seals  | NBR   |
| Type of mounting                                      | Either:<br>With through-hole<br>With accessories                |
| Inlet pressure 1                                      | 0 MPa...0.3 MPa<br>0 bar...3 bar<br>0 psi...43.5 psi            |
| Output pressure 2                                     | 0.5 kPa...100 kPa<br>0.005 bar...1 bar<br>0.0725 psi...14.5 psi |
| Standard nominal flow rate (standardised to DIN 1343) | 13 l/min  |
| Standard nominal flow rate 2-3                        | 12 l/min  |
| Linearity   | 0.5 %FS   |
| Reproducibility                                       | 0.4 %FS   |
| Hysteresis  | 0.25 %FS  |
| Temperature coefficient                               | 0.05 %/K  |
| Total accuracy  | 0.75% FS  |
| Product weight  | 70 g  |

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|--|--|
| Operating medium                             | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases   |
| Note on operating and pilot medium           | Lubricated operation not possible  |
| Degree of protection                         | IP65   |
| Approval                                     | RCM trademark  |
| KC mark                                      | KC-EMV   |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with 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  |
| Operational voltage range DC                 | 19 V...29 V  |
| Nominal operating voltage DC                 | 24 V   |
| Residual ripple                              | 10 %   |
| Setpoint value                               | 4 - 20 mA  |
| Signal range analogue output                 | 4 - 20 mA  |
| Accuracy analogue output in $\pm$ %FS        | 2 %FS  |
| Max. electrical power consumption            | 1 W  |
| Reverse polarity protection                  | For all electrical connections   |
| Short circuit current rating                 | For all electrical connections   |
| Safety instructions                          | Safety position VEAA/VEAB: if the electrical power supply fails, the output pressure is maintained unregulated and may rise or fall – valve blocked. |
| Display type                                 | LED  |
| Electrical connection                        | 4-pin<br>M8x1<br>Plugs<br>To EN 60947-5-2  |
| Material housing                             | PA-reinforced  |