

# Proportional-pressure regulator VEAB-B-26-D12-F-A4-1R1

Part number: 8046266

**FESTO**



[PDF](#) General operating condition

## 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                                                    |
| Symbol                                                | 00995607                                                 |
| 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 ... 0.1 MPa                                        |
| Inlet pressure 1                                      | 0 bar ... 1 bar                                          |
| Inlet pressure 1                                      | 0 psi ... 14.5 psi                                       |
| Output pressure 2                                     | 1.0E-4 MPa ... 0.02 MPa                                  |
| Output pressure 2                                     | 0.001 bar ... 0.2 bar                                    |
| Output pressure 2                                     | 0.0145 psi ... 2.9 psi                                   |
| Standard nominal flow rate (standardised to DIN 1343) | ≥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                                                 |
| Total accuracy                                        | 0.8% FS                                                  |
| Product weight                                        | 70 g                                                     |
| Operating medium                                      | Compressed air to ISO 8573-1:2010 [7:4:4]<br>Inert gases |

| Feature                                      | Value                                                                                                                                                |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                        |