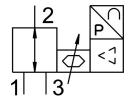
## Proportional pressure control valve VEAB-L-26-D9-Q4-A4-1R1 Part number: 8046300

**FESTO** 





## **Data sheet**

| Type code         VEAB           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 60.5 mm x 85 mm           Pneumatic connection 1         QS-4           Pneumatic connection 2         QS-4           Pneumatic connection 3         QS-4           Seals material         NBR           Type of mounting         Optionally:<br>With through-hole<br>With accessories           Inlet pressure 1 MPa         0 MPa 0.65 MPa           Inlet pressure 1 psi         0 psi 94.25 psi           Output pressure 2         0.03 MPa 0.66 MPa           Output pressure 2         0.03 MPa 0.66 MPa           Output pressure 2         0.03 bar 6 bar           Output pressure 2         0.03 bar 6 bar           Output pressure 2   | Feature  | Value                                       |
|--|--|---|
| Type of control   Direct   | Type code                                      | VEAB  |
| 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 60.5 mm x 85 mm           Pneumatic connection 1         Qs-4           Pneumatic connection 2         Qs-4           Pneumatic connection 3         Qs-4           Seals material         NBR           Type of mounting         Optionally; With through-hole With accessories           Inlet pressure 1 MPa         O MPa 0.65 MPa           Inlet pressure 1 MPa         O MPa 0.65 MPa           Inlet pressure 2         O.03 MPa 0.6 MPa           Output pressure 2         O.03 MPa 0.6 MPa           Output pressure 2         O.03 MPa 0.6 MPa           Output pressure 2         O.435 psi 87 psi           Standard nominal flow rate         >20 I/min           Standard nominal flow rate 2-3         >20 I/min           Linearity error FS         O.5 %           Repetition accuracy in ± %FS   | Valve function                                 | 3-way proportional pressure control valve   |
| Actuation type  Electrical  Mounting position  Any  Sealing principle  Soft  Symbol  O0995607  Temperature  O° C 50 °C  Temperature of medium  S° C 50 °C  Storage temperature  -20 °C 70 °C  Dimensions W x L x H  18 mm x 60.5 mm x 85 mm  Pneumatic connection 1  QS-4  Pneumatic connection 2  Pneumatic connection 3  Seals material  NBR  Type of mounting  Optionally: With through-hole With accessories  Inlet pressure 1 MPa  Inlet pressure 1  Obar 6.5 bar  Inlet pressure 2  Output pressure 3  Output pressure 3  Output pressure 3  Output pressure 4  Output pressure 5  Output pressure 6  Output pressure 7  Output pressure 9  Output pressure 1  Output pressure 1  Output pressure 9  Output pressure 1  O              | Type of control                                | Direct                                      |
| Mounting position   Any  | Reset method                                   | Mechanical spring                           |
| 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 60.5 mm x 85 mm           Pneumatic connection 1         QS-4           Pneumatic connection 2         QS-4           Pneumatic connection 3         QS-4           Seals material         NBR           Type of mounting         Optionally: With through-hole With accessories           Inlet pressure 1 MPa         0 MPa 0.65 MPa           Inlet pressure 1 psi         0 bar 6.5 bar           Inlet pressure 1 psi         0 psi 94.25 psi           Output pressure 2         0.003 MPa 0.6 MPa           Output pressure 2         0.03 bar 6 bar           Output pressure 2         0.435 psi 87 psi           Standard nominal flow rate         ≥20 I/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   | Actuation type                                 | Electrical                                  |
| 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 60.5 mm x 85 mm           Pneumatic connection 1         QS-4           Pneumatic connection 2         QS-4           Pneumatic connection 3         QS-4           Seals material         NBR           Type of mounting         Optionally:<br>With through-hole<br>With accessories           Inlet pressure 1 MPa         0 MPa 0.65 MPa           Inlet pressure 1 psi         0 psi 94.25 psi           Output pressure 2         0.003 MPa 0.6 MPa           Output pressure 2         0.03 bar 6 bar           Output pressure 2         0.03 bar 6 bar           Output pressure 2         0.435 psi 87 psi           Standard nominal flow rate         ≥20 I/min           Standard nominal flow rate 2-3         ≥20 I/min           Linearity error FS         0.5 %           Repetition accuracy in ± %FS         0.25 %FS           Temperature coefficient         0.05 %/K           Absolute accuracy in ± %FS at room temperature         0.75 %FS           Product weight         70 g   | Mounting position                              | Any   |
| Ambient temperature 0 °C 50 °C Temperature of medium 5 °C 50 °C Storage temperature  | Sealing principle                              | Soft  |
| Temperature of medium  5 ° C 50 ° C  Storage temperature  20 ° C 70 ° C  Dimensions W x L x H  18 mm x 60.5 mm x 85 mm  Pneumatic connection 1  QS-4  Pneumatic connection 2  QS-4  Pneumatic connection 3  QS-4  Pneumatic connection 2  QS-4  Pneumatic connection 3  QS-4  Pneumatic connection 1  QS-4  Pneumatic connection 3  QS-4  Pneumatic connection 1  QS-4  Pneumatic connection 2  QS-4  QS-4  Pneumatic connection 2  QS-4  Pneumatic connection 2  QS-4  QS-4  Pneumatic connection 2  QS-4  QS-4  Pneumatic connection 2  QS-4  QS-4  QS-4  QS-4  QS-4  QS-4  QS-4  Quit and policy  Qu         | Symbol   | 00995607                                    |
| Storage temperature  -20 °C 70 °C  Dimensions W x L x H  18 mm x 60.5 mm x 85 mm  Pneumatic connection 1  QS-4  Pneumatic connection 2  QS-4  Pneumatic connection 3  QS-4  Pneumatic connection 3  QS-4  Seals material  NBR  Type of mounting  Optionally: With through-hole With accessories  Inlet pressure 1 MPa  0 MPa 0.65 MPa  Inlet pressure 1 psi  0 psi 94.25 psi  Output pressure 2  0.003 MPa 0.6 MPa  Outlet pressure 2  0.003 MPa 0.6 MPa  Outlet pressure 2  0.0435 psi 87 psi  Standard nominal flow rate  \$20 I/min  Standard nominal flow rate  \$20 I/min  Linearity error FS  0.5 %  Repetition accuracy in ± %FS  0.25 %FS  Temperature coefficient  0.05 %/K  Absolute accuracy in ± %FS at room temperature  Product weight  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  | Ambient temperature                            | 0 °C 50 °C                                  |
| Dimensions W x L x H  Pneumatic connection 1  QS-4  Pneumatic connection 2  QS-4  Pneumatic connection 3  QS-4  Pneumatic connection 3  QS-4  Pneumatic connection 3  QS-4  Seals material  NBR  Type of mounting  Optionally: With through-hole With accessories  Inlet pressure 1 MPa  Inlet pressure 1  Inlet pressure 1 psi  Optionally: Optionally: With through-hole With accessories  Inlet pressure 1  Inlet pressure 1  Optionally: With through-hole With accessories  Inlet pressure 2  Optionally:  Optionally: With through-hole With accessories  Inlet pressure 2  Optionally: Op | Temperature of medium                          | 5 ℃ 50 ℃                                    |
| Pneumatic connection 1 Pneumatic connection 2 Pneumatic connection 3 QS-4 Pneumatic connection 3 QS-4 Pneumatic connection 3 QS-4 Seals material NBR Type of mounting Optionally: With through-hole With accessories Inlet pressure 1 MPa Inlet pressure 1 Inlet pressure 1 psi Opsi 94.25 psi Output pressure 2 O.003 MPa 0.6 MPa Outlet pressure 2 O.003 MPa 0.6 MPa Outlet pressure 2 O.003 bar 6 bar Output pressure 2 Output pressure 2 O.03 bar 6 bar Output pressure 2 Output pressure 2 O.0435 psi 87 psi Standard nominal flow rate Standard nominal flow rate 2-3 Linearity error FS O.5 % Repetition accuracy in ± %FS O.4 %FS Hysteresis in ± %FS O.25 %FS Temperature coefficient Absolute accuracy in ± %FS at room temperature Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas   | Storage temperature                            | -20 °C 70 °C                                |
| Pneumatic connection 2 Pneumatic connection 3 QS-4 Pneumatic connection 3 QS-4 Seals material NBR Type of mounting Optionally: With through-hole With accessories Inlet pressure 1 MPa O MPa 0.65 MPa Inlet pressure 1 O bar 6.5 bar Inlet pressure 1 psi O psi 94.25 psi Output pressure 2 O.003 MPa 0.6 MPa Outlet pressure 2 O.03 bar 6 bar Output pressure 2 Output pressure 2 O.03 bar 6 bar Output pressure 2 Output pressure 2 Output pressure 2 O.435 psi 87 psi Standard nominal flow rate Standard nominal flow rate Standard nominal flow rate 2-3 Linearity error FS Repetition accuracy in ± %FS O.25 %FS Temperature coefficient O.05 %/K Absolute accuracy in ± %FS at room temperature Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  | Dimensions W x L x H                           | 18 mm x 60.5 mm x 85 mm                     |
| Pneumatic connection 3  QS-4  Seals material  Type of mounting  Optionally: With through-hole With accessories  Inlet pressure 1 MPa  O MPa 0.65 MPa  Inlet pressure 1 psi O bar 6.5 bar  Inlet pressure 1 psi O psi 94.25 psi Output pressure 2 O.003 MPa 0.6 MPa  Outlet pressure 2 O.03 bar 6 bar Output pressure 2 Output pressure 2 O.03 bar 6 bar  Output pressure 2 Output pressure 2 O.435 psi 87 psi  Standard nominal flow rate  >20 I/min  Linearity error FS Q.5 %  Repetition accuracy in ± %FS O.4 %FS Hysteresis in ± %FS O.25 %FS  Temperature coefficient O.55 %/K  Absolute accuracy in ± %FS at room temperature Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  | Pneumatic connection 1                         | QS-4  |
| Seals material  Type of mounting  Optionally: With through-hole With accessories  Inlet pressure 1 MPa  O MPa 0.65 MPa  Inlet pressure 1 psi O psi 94.25 psi Output pressure 2 O.003 MPa 0.6 MPa  Outlet pressure 2 O.03 bar 6 bar  Output pressure 2 O.435 psi 87 psi  Standard nominal flow rate Standard nominal flow rate 2-3 Linearity error FS O.5 %  Repetition accuracy in ± %FS Hysteresis in ± %FS Temperature coefficient Operating medium  Operating medium  Optionally: With through-hole With accessories On MPa 0.65 MPa Optionally: With through-hole With accessories Optionally: With through-hole With accessories On MPa 0.6 MPa Opsi 94.25 psi Opsi 94.25 psi Opsi 94.25 psi Opsi 94.25 psi Optionally: With through-hole With accessories Optionally: With through-hole Optionally: With through-hole Optionally: With through-hole Optionally: With through-hole Optionally: Optionally: With through-hole Optionally: O   | Pneumatic connection 2                         | QS-4  |
| Type of mounting  Optionally: With through-hole With accessories  Inlet pressure 1 MPa  O MPa 0.65 MPa  Inlet pressure 1 psi Opsi 94.25 psi Output pressure 2 O.003 MPa 0.6 MPa  Outlet pressure 2 O.03 bar 6 bar  Output pressure 2 O.03 bar 6 bar  Output pressure 2 O.435 psi 87 psi  Standard nominal flow rate  \$20 l/min  Standard nominal flow rate 2-3 Linearity error FS O.5 %  Repetition accuracy in ± %FS O.25 %FS  Temperature coefficient O.05 %/K  Absolute accuracy in ± %FS at room temperature Operating medium  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.65 MPa  Optionally: With through-hole With accessories  O MPa 0.6 MPa  Optionally:  Optionally: With through-hole With accessories  O MPa 0.6 MPa  O MPa   | Pneumatic connection 3                         | QS-4  |
| With through-hole With accessories   Inlet pressure 1 MPa 0 MPa 0.65 MPa   Inlet pressure 1 0 bar 6.5 bar   Inlet pressure 1 psi 0 psi 94.25 psi   Output pressure 2 0.003 MPa 0.6 MPa   Outlet pressure 2 0.03 bar 6 bar   Output pressure 2 0.435 psi 87 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] Inert gas  | Seals material                                 | NBR   |
| Inlet pressure 1       0 bar 6.5 bar         Inlet pressure 1 psi       0 psi 94.25 psi         Output pressure 2       0.003 MPa 0.6 MPa         Outlet pressure 2       0.03 bar 6 bar         Output pressure 2       0.435 psi 87 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] Inert gas   | Type of mounting                               | With through-hole                           |
| Inlet pressure 1 psi Output pressure 2 Output p  | Inlet pressure 1 MPa                           | 0 MPa 0.65 MPa                              |
| Output pressure 2       0.003 MPa 0.6 MPa         Outlet pressure 2       0.03 bar 6 bar         Output pressure 2       0.435 psi 87 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] Inert gas   | Inlet pressure 1                               | 0 bar 6.5 bar                               |
| Outlet pressure 2  Output pressu | Inlet pressure 1 psi                           | 0 psi 94.25 psi                             |
| Output pressure 2  Output press  | Output pressure 2                              | 0.003 MPa 0.6 MPa                           |
| 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] Inert gas   | Outlet pressure 2                              | 0.03 bar 6 bar                              |
| 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] Inert gas  | Output pressure 2                              | 0.435 psi 87 psi                            |
| Linearity error FS  Repetition accuracy in ± %FS  O.4 %FS  Hysteresis in ± %FS  O.25 %FS  Temperature coefficient  O.05 %/K  Absolute accuracy in ± %FS at room temperature  O.75 %FS  Product weight  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]   | Standard nominal flow rate                     | ≥20 l/min                                   |
| Repetition accuracy in ± %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]  | Standard nominal flow rate 2-3                 | ≥20 l/min                                   |
| Hysteresis in ± %FS  Temperature coefficient  Absolute accuracy in ± %FS at room temperature  0.75 %FS  Product weight  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  | Linearity error FS                             | 0.5 %                                       |
| 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] Inert gas   | Repetition accuracy in ± %FS                   | 0.4 %FS                                     |
| Absolute accuracy in ± %FS at room temperature  0.75 %FS  Product weight  70 g  Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  | Hysteresis in ± %FS                            | 0.25 %FS                                    |
| Product weight 70 g  Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas  | Temperature coefficient                        | 0.05 %/K                                    |
| Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas   | Absolute accuracy in ± %FS at room temperature | 0.75 %FS                                    |
| Inert gas  | Product weight                                 | 70 g  |
| l  | Operating medium                               |   |
| Information on operating and pilot media Operation with oil lubrication not possible   | 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   |
| Note on materials                          | RoHS-compliant  |
| LABS 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                            | 4 - 20 mA   |
| Analog output signal range                 | 4 - 20 mA   |
| 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   |