

# Proportional pressure control valve VEAA-L-3-D11-Q4-A4-1R1

FESTO

Part number: 8046906



[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                              | 15 mm x 54,5 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                                  | With through-hole<br>With accessories                        |
| Inlet pressure 1 MPa                              | 0 MPa ... 1.1 MPa  |
| Inlet pressure 1                                  | 0 bar ... 11 bar   |
| Inlet pressure 1 psi                              | 0 psi ... 159.5 psi  |
| Output pressure 2                                 | 0.005 MPa ... 1 MPa  |
| Outlet pressure 2                                 | 0.05 bar ... 10 bar  |
| Output pressure 2                                 | 0.725 psi ... 145 psi  |
| Normal nominal flow rate (normalized to DIN 1343) | ≥13 l/min  |
| Standard nominal flow rate 2-3                    | ≥7.5 l/min   |
| Linearity   | 0.5 %FS  |
| Reproducibility                                   | 0.4 %FS  |
| Hysteresis  | 0.25 %FS   |
| Temperature coefficient                           | 0.05 %/K   |
| Overall accuracy                                  | 0.75 %FS   |
| Product weight                                    | 55 g   |
| Operating medium                                  | Compressed air as per ISO 8573-1:2010 [7:4:4]<br>Inert gases |
| 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 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                              | 4 - 20 mA   |
| Analog output signal range                   | 4 - 20 mA   |
| Precision analog output in $\pm$ %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                        | M8x1<br>Plug<br>as per EN 60947-5-2   |
| Housing material                             | PA-reinforced   |