

Proportional pressure control valve VEAA-L-3-D2-Q4-A4-1R1

FESTO

Part number: 8046902



[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 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 | 0.001 MPa ... 0.2 MPa |
| Outlet pressure 2 | 0.01 bar ... 2 bar |
| Output pressure 2 | 0.145 psi ... 29 psi |
| Normal nominal flow rate (normalized to DIN 1343) | ≥7 l/min |
| Standard nominal flow rate 2-3 | ≥3 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] 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 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 ± %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 Plug as per EN 60947-5-2 |
| Housing material | PA-reinforced |