



Proportional-pressure regulator

VPPE-3-1-1/8-6-010-E1 557772

URL:[https://www.sxplc.com/proportional-pressure-regulator-
vppe-3-1-1-8-6-010-e1-557772](https://www.sxplc.com/proportional-pressure-regulator-vppe-3-1-1-8-6-010-e1-557772)

Product data sheet

- **Nominal size, supply**5 mm
- **Nominal size, exhaust**2.5 mm
- **Type of actuation**Electric
- **Sealing principle**Soft
- **Mounting position**optional Preferably vertical
- **Design**Piloted diaphragm regulator
- **Short circuit current rating**For all electrical connections
- **Safety instructions**Safety position VPPE: if the power supply cable is interrupted, output pressure is maintained unregulated.
- **Symbol**00995303
- **Reverse polarity protection**For all electrical connections
- **Type of reset**Mechanical spring
- **Type of piloting**Pilot actuated
- **Valve function**3-way proportional pressure regulator

- **Display type**LED indicator 3-digit
- **Pressure regulation range**0.006 MPa ... 0.6 MPa
- **Pressure regulation range**0.06 bar ... 6 bar
- **Inlet pressure** 16 bar ... 8 bar
- **Inlet pressure** 10.6 MPa ... 0.8 MPa
- **Max. pressure hysteresis**0.003 MPa
- **Max. pressure hysteresis**0.03 bar
- **Max. pressure hysteresis**0.435 psi
- **Standard nominal flow rate (standardised to DIN 1343)**800 l/min
- **Operational voltage range DC**21.6 V ... 26.4 V
- **Max. current consumption**160 mA
- **Duty cycle**100%
- **Max. electrical power consumption**4.2 W
- **Residual ripple**10 %
- **Switching output**PNP
- **Signal range analogue output**0 - 10 V
- **Signal range analogue input**0 - 10 V
- **Operating medium**Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases
- **Note on operating and pilot medium**Lubricated operation not possible
- **Approval**RCM trademark c UL us listed (OL)
- **KC mark**KC-EMV

- **CE mark (see declaration of conformity)**To EU EMC Directive In accordance with EU RoHS Directive
- **CE marking (see declaration of conformity)**To UK instructions for EMC To UK RoHS instructions
- **Certificate issuing authority**UL E322346
- **Corrosion resistance class** **CRC2** - Moderate corrosion stress
- **LABS (PWIS) conformity**VDMA24364-B2-L
- **Media temperature**10 °C ... 50 °C
- **Degree of protection**IP65
- **Ambient temperature**0 °C ... 60 °C
- **Product weight**390 g
- **Linearity**1 %FS
- **Hysteresis**0.5 %FS
- **Reproducibility**0.5 %FS
- **Total accuracy**1.25%FS
- **Temperature coefficient**0.04 %/K
- **Electrical connection**5-pin M12 Plugs
- **Type of mounting**With through-hole
- **Pneumatic connection, port 1**G1/8
- **Pneumatic connection, port 2**G1/8
- **Pneumatic connection, port 3**G1/8
- **Note on materials**RoHS-compliant
- **Material housing**Anodised wrought aluminium alloy

