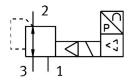
Proportional-pressure regulator VPPM-6-... Part number: 543432







General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Electric Sealing principle Soft Mounting position Optional Design Piloted diaphragm regulator Short circuit current rating Safety instructions Safety position VPPM: If the power supply cable is interrupted, output pressure is maintained unregulated. Symbol O0995303 Reverse polarity protection For all electrical connections Symbol Pilot actuated Mechanical spring Filot actuated Mechanical spring Filot actuated Alve function 3-way proportional pressure regulator Display type Back-lit LCD LED Pressure regulation range 0.02 bar 10 bar nlet pressure 1 0 bar 11 bar nlet pressure 1 0 bar 11 MPa Standard nominal flow rate (standardised to DIN 1343) 380 I/min 1400 I/min Doperational voltage range DC Max. current consumption 300 mA Duty cycle 100% Max. current consumption 300 mA Duty cycle 100% Max. current consumption 7 W Sessidual ripple 10 % Operating and pilot medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation not possible RCM trademark CUL us listed (OL) KC mark E mark (see declaration of conformity) To EU ENC Directive In accordance with EU RoHS Directive In CUK RoHS instructions | Feature | Value |
|--|---|---------------------------------------|
| Sealing principle Soft Mounting position Optional Piloted diaphragm regulator Short circuit current rating Safety instructions Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. Opp95303 Reverse polarity protection For all electrical connections Vipe of reset Mechanical spring Vipe of piloting Pilot actuated Avalve function Obsplay type Back-lit LCD LED Pressure regulation range Ou2 bar 10 bar Olar 11 MPa Standard nominal flow rate (standardised to DIN 1343) Operational voltage range DC Olave 26.4 V Ol | Nominal size, supply | 6 mm |
| Mounting position Design Piloted diaphragm regulator Short circuit current rating For all electrical connections Safety instructions Safety instructions Safety instructions Safety instructions Safety instructions Safety instructions Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. O0995303 Reverse polarity protection For all electrical connections Prope of reset Mechanical spring Pilot actuated Valve function 3-way proportional pressure regulator Display type Back-lit LCD LED Pressure regulation range 0.02 bar 10 bar nlet pressure 1 0 bar 11 bar nlet pressure 1 0 bar 11 bar nlet pressure 1 0 bar 11 bar Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min Diperational voltage range DC 21.6 V 26.4 V Max. current consumption 300 mA Duty cycle 100% Max. electrical power consumption 7 W Residual ripple 10 % Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases CCC mark EE mark (see declaration of conformity) To EU EMC Directive In accordance with EU RoHS Directive UL KS BNS Instructions for EMC To UK RoHS Instructions for EMC To UK RoHS Instructions for EMC To UK RoHS Instructions | Type of actuation | Electric |
| Piloted diaphragm regulator Short circuit current rating For all electrical connections Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. Symbol O0995303 Reverse polarity protection For all electrical connections Fype of reset Mechanical spring Yippe of piloting Alve function Display type Back-lit LCD LED Pressure regulation range O.02 bar 10 bar Inlet pressure 1 O MPa 1.1 MPa Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min Dierational voltage range DC 21.6 V 26.4 V Max. current consumption Ava. celectrical power consumption Residual ripple Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Vote on operating and pilot medium Approval CC mark EE mark (see declaration of conformity) To LU K RoHS instructions For all electrical connections Safety position VPPM: if the power supply cable is interrupted, output put pressure is maintained unregulated. Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. O0995303 Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. O0995303 Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. O0995303 Safety position in variations for personate in maintained unregulated. O0995303 Beverse political ed. O0995303 Safety position in pressure regulator. O09623 | Sealing principle | Soft |
| Short circuit current rating Safety instructions Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. Symbol O0995303 Reverse polarity protection For all electrical connections Rype of reset Mechanical spring Rype of piloting Pilot actuated Advertunction Oisplay type Back-lit LCD LED Pressure regulation range O.02 bar 10 bar Note pressure 1 O bar 11 bar One pressure 1 O MPa 11 MPa Standard nominal flow rate (standardised to DIN 1343) Operational voltage range DC Display tycle Divertical consumption Outy cycle 100% Max. current consumption Operating and pilot medium Lubricated operation not possible Approval CC mark CC mark CC mark CC mark CC mark CE mark (see declaration of conformity) To UK RoHS instructions Certificate issuing authority ULE 322346 O0995303 Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. Operations Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. Operations Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. Ooperations Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. Ooperations Safety position vier mental unregulated. Ooperation Safety position of the power supply cable is interrupted, output pressure is maintained unregulated. Ooperations Safety instructions Safety instructions Ooperation of the power supply supplied in seturated. Ooperation of the power supplied in the power | Mounting position | optional |
| Safety instructions Safety position VPPM: if the power supply cable is interrupted, output pressure is maintained unregulated. O995303 Reverse polarity protection For all electrical connections Mechanical spring Pilot actuated Valve function 3-way proportional pressure regulator Display type Back-lit LCD LED Pressure regulation range 0.02 bar 10 bar nlet pressure 1 0 bar 11 bar nlet pressure 1 0 MPa 1.1 MPa Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min Doperational voltage range DC 21.6 V 26.4 V Max. current consumption 300 mA Duty cycle 100% Max. electrical power consumption 7 W Residual ripple 10 % 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 CC mark KC-EMV LE mark (see declaration of conformity) To EU EMC Directive In accordance with EU RoHS Directive To UK instructions for EMC To UK RoHS instructions Certificate issuing authority UL E322346 | Design | Piloted diaphragm regulator |
| pressure is maintained unregulated. Symbol 00995303 Reverse polarity protection For all electrical connections Type of pioting Pilot actuated Alve function 3-way proportional pressure regulator Display type Back-lit LCD LED Pressure regulation range 0.02 bar 10 bar nilet pressure 1 0 bar 11 bar nilet pressure 1 0 MPa 11 MPa Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min Display tycle 100% Max. electrical power consumption 7 W Residual ripple Departing medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation not possible KC mark KC-EMV LE MC Mark (See declaration of conformity) To LW Rome Instructions For all electrical connections Proval Reverse 4 Douglast LCD LED One all electrical power regulator 3-way proportional pressure regulator 3-way proportional pressure regulator 380 l/min 1400 l/min 380 l/min 1400 l/min 380 l/min 1400 l/min 390 mA Display type 100% Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation not possible KC-EMV CE mark (See declaration of conformity) To EU EMC Directive In a ccordance with EU ROHS Directive In a ccordance with EU ROHS Directive To UK ROHS instructions for EMC To UK ROHS instructions Certificate issuing authority UL E322346 | Short circuit current rating | For all electrical connections |
| Reverse polarity protection For all electrical connections Rype of reset Mechanical spring Rype of piloting Pilot actuated Adverse function 3 -way proportional pressure regulator Back-lit LCD LED Pressure regulation range 0.02 bar 10 bar nlet pressure 1 0 bar 11 bar nlet pressure 1 0 MPa 1.1 MPa Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min Departional voltage range DC 21.6 V 26.4 V Max. current consumption 300 mA Duty cycle 100% Max. electrical power consumption 7 W Residual ripple 10 % Departing medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation not possible RCM trademark c UL us listed (OL) KC mark KC-EMV To EL EMC Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive To UK RoHS instructions Certificate issuing authority UL E322346 | Safety instructions | |
| Average of reset Mechanical spring Pilot actuated Jeve of piloting Pilot actuated Jeve on Jeve regulation Jeve of policitics Jeve of piloting Mechanical spring Pilot actuated Jeve of piloting Pilot actuated Jeve of piloting Jeve of p | Symbol | 00995303 |
| Fype of piloting Pilot actuated Javay proportional pressure regulator Josplay type Back-lit LCD LED Description Display type Description Display to Display Description Display type Description D | Reverse polarity protection | For all electrical connections |
| Valve function 3 -way proportional pressure regulator Back-lit LCD LED Pressure regulation range 0.02 bar 10 bar 0 bar 11 bar 0 het pressure 1 0 MPa 1.1 MPa Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min Deparational voltage range DC 21.6 V 26.4 V Max. current consumption 300 mA Duty cycle 100% Max. electrical power consumption 7 W Residual ripple 10 % Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Approval RCM trademark c UL us listed (OL) KC mark KC-EMV Et mark (see declaration of conformity) To EU EMC Directive In accordance with EU ROHS Directive In accordance with EU ROHS Directive To UK ROHS instructions Certificate issuing authority UL E322346 | Type of reset | Mechanical spring |
| Back-lit LCD LED Pressure regulation range O.02 bar 10 bar Obar 11 bar Obar 11 bar Older 12 bar Ol | Type of piloting | Pilot actuated |
| LED Pressure regulation range 0.02 bar 10 bar nlet pressure 1 0 bar 11 bar nlet pressure 1 0 MPa 1.1 MPa Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min Deparational voltage range DC 21.6 V 26.4 V Max. current consumption 300 mA Duty cycle 100% Max. electrical power consumption 7 W Residual ripple 10 % Deparating 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 CE mark (see declaration of conformity) To EU EMC Directive In accordance with EU RoHS Directive In accordance with EU RoHS Directive To UK ROHS instructions Certificate issuing authority UL E322346 | Valve function | 3-way proportional pressure regulator |
| nlet pressure 1 ol bar 11 bar nlet pressure 1 ol MPa 1.1 MPa 380 l/min 1400 l/min Departional voltage range DC 21.6 V 26.4 V Max. current consumption Outy cycle 100% Max. electrical power consumption Perating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Approval CC mark KC-EMV To EU EMC Directive In accordance with EU ROHS Directive In accordance with EU ROHS Directive In CW ROHS instructions Certificate issuing authority ULE 322346 | Display type | |
| Inlet pressure 1 O MPa 1.1 MPa Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min Deparational voltage range DC 21.6 V 26.4 V Max. current consumption 300 mA Duty cycle 100% Max. electrical power consumption 7 W Residual ripple 10 % Deparating 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.U. us listed (OL) KC mark KC-EMV To EU EMC Directive In accordance with EU ROHS Directive In accordance with EU ROHS Directive In CW ROHS instructions Certificate issuing authority UL E322346 | Pressure regulation range | 0.02 bar 10 bar |
| Standard nominal flow rate (standardised to DIN 1343) 380 l/min 1400 l/min 21.6 V 26.4 V 22.6 V 26.4 V 22.6 V 26.4 V 22.6 V 26.4 V 23.00 mA 24.00 mA 25.00 mA 26.00 mA 27.00 mA 27.00 mA 28.00 mA 29.00 mA 20.00 mA 20.0 | Inlet pressure 1 | 0 bar 11 bar |
| Departional voltage range DC 21.6 V 26.4 V Max. current consumption 300 mA Duty cycle 100% Max. electrical power consumption 7 W Residual ripple 10 % Departing 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) CC mark CE mark (see declaration of conformity) To EU EMC Directive In accordance with EU ROHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK ROHS instructions Certificate issuing authority UL E322346 | Inlet pressure 1 | 0 MPa 1.1 MPa |
| Max. current consumption 300 mA Duty cycle 100% Max. electrical power consumption 7 W Residual ripple 10 % 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 To EU EMC Directive In accordance with EU ROHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK ROHS instructions Certificate issuing authority UL E322346 | Standard nominal flow rate (standardised to DIN 1343) | 380 l/min 1400 l/min |
| Duty cycle Max. electrical power consumption 7 W Residual ripple 10 % Deparating 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 To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK ROHS instructions Certificate issuing authority UL E322346 | Operational voltage range DC | 21.6 V 26.4 V |
| Max. electrical power consumption Residual ripple Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation not possible RCM trademark c UL us listed (OL) KC mark KC-EMV To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK ROHS instructions Certificate issuing authority UL E322346 | Max. current consumption | 300 mA |
| Residual ripple 10 % Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation not possible RCM trademark c UL us listed (OL) CC mark KC-EMV To EU EMC Directive In accordance with EU ROHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK ROHS instructions Certificate issuing authority UL E322346 | Duty cycle | 100% |
| Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation not possible RCM trademark c UL us listed (OL) KC mark KC-EMV To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Certificate issuing authority UL E322346 | Max. electrical power consumption | 7 W |
| Inert gases Note on operating and pilot medium Lubricated operation not possible RCM trademark c UL us listed (OL) RC mark KC-EMV To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Certificate issuing authority UL E322346 | Residual ripple | 10 % |
| Approval RCM trademark c UL us listed (OL) RC mark KC-EMV To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Certificate issuing authority UL E322346 | Operating medium | |
| c UL us listed (OL) KC mark KC-EMV To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Certificate issuing authority UL E322346 | Note on operating and pilot medium | Lubricated operation not possible |
| To EU EMC Directive In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Certificate issuing authority UL E322346 | Approval | |
| In accordance with EU RoHS Directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions UL E322346 | KC mark | KC-EMV |
| To UK RoHS instructions Certificate issuing authority UL E322346 | CE mark (see declaration of conformity) | |
| | UKCA marking (see declaration of conformity) | |
| Corrosion resistance class CRC 2 - Moderate corrosion stress | Certificate issuing authority | UL E322346 |
| | Corrosion resistance class CRC | 2 - Moderate corrosion stress |

| Feature | Value |
|------------------------------|--|
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Media temperature | 10 °C 50 °C |
| Degree of protection | IP65 |
| Ambient temperature | 0 ℃ 60 ℃ |
| Product weight | 400 g |
| Linearity | 1 %FS |
| Hysteresis | 0.5 %FS |
| Reproducibility | 0.5 %FS |
| Total accuracy | 1.25%FS |
| Temperature cooefficient | 0.04 %/K |
| Repetition accuracy FS | 0.5 % |
| Electrical connection | 8-pin M12 Plugs Via sub-base |
| Type of mounting | Either: With through-hole With accessories |
| 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 |