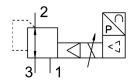
Proportional pressure control valve MPPE-3-1/2--B Part number: 164332

FESTO





Data sheet

Exhaust nominal width Type code MPPE Actual to nype Electrical Scaling principle Soft Mounting position Any Design Pilot-controlled piston control valve Safety instructions MPPE- 8 safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form. Symbol Operating pressure Obar 10 bar Pressure regulation range Obar 10 bar In bar Operating pressure Inlet pressure 1 In bar 12 bar Max. pressure hysteresis O.05 bar Switching time off S35 ms On switching time I70 ms DC operating voltage range I8 V 30 V Reference voltage I0 V Current lyte 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010[7:4:4] Inlet gas EE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Certification RCM compliance mark Product weight Electrical connection With through-hole With through-hole	Feature	Value
Type code Actuation type Electrical Sealing principle Soft Mounting position Any Design Pilot-controlled piston control valve Safety instructions PPE-B safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form. Symbol Operating pressure Obar 10 bar Inlet pressure 1 Obar 10 bar Inlet pressure 1 In bar 12 bar Max. pressure hysteresis O.05 bar Switching time off S35 ms On switching time In Or one will be supply cable breaks, the outlet pressure is maintained in uncontrolled form. Pressure regulation range Obar 10 bar Inlet pressure 1 In bar 12 bar Max. pressure hysteresis O.05 bar Switching time off S35 ms On switching time In Voms Coro eventing voltage range Reference voltage In V Residual ripple Optionally: Voltage type 0 - 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2- Moderate corrosion stress Temperature of medium O° C 60 °C Temperature of medium O° C 60 °C Certification RCM compliance mark Product weight Electrical connection RCM compliance mark Product weight Electrical connection With through-hole	Nominal width pressurization	11 mm
Actuation type Electrical Sealing principle Soft Mounting position Any Design Pilot-controlled piston control valve Safety instructions MPPE-B safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form. Symbol Ooperating pressure Obar 10 bar Operating pressure Obar 10 bar Inlet pressure regulation range Obar 10 bar Inlet pressure 1 11 bar 12 bar Max. pressure hysteresis O.05 bar Switching time off 535 ms On switching time 170 ms DC operating voltage range 18 V 30 V Reference voltage 10 V Residual ripple 10 % Setpoint/actual values Optionally: Voltage type 0 - 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas EE marking (see declaration of conformity) As per EURC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Emperature of medium 0 °C 60 °C Emperature of medium 0 °C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Exhaust nominal width	12 mm
Sealing principle Soft Mounting position Any Design Pilot-controlled piston control valve MPPE-B safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form. Symbol Oopprating pressure Obar 10 bar Pressure regulation range Obar 10 bar Pressure regulation range Inlet pressure 1 Inlet pressure 1 Inlet pressure bysteresis Oofs bar Switching time off Soft Oo switching time off Oo newitching time off In word word word word word word word word	Type code	МРРЕ
Mounting position Any Design Pilot-controlled piston control valve Safety instructions MPPE-B safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form. Symbol 00995304 Operating pressure 0 bar 10 bar Pressure regulation range 0 bar 10 bar Inlet pressure 1 11 bar 12 bar Max. pressure hysteresis 0.05 bar Switching time off 535 ms On switching time 170 ms DC operating voltage range 18 V 30 V Reference voltage 10 V Residual ripple 10 % Setpoint/actual values Optionally: Voltage type 0 · 10 V Current type 4 · 20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 · Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection IP65 Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Actuation type	Electrical
Pilot-controlled piston control valve Safety instructions MPPE-B safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form. Symbol Operating pressure Obar 10 bar Pressure regulation range Obar 10 bar Inlet pressure 1 11 bar 12 bar Max. pressure hysteresis O.05 bar Switching time off 535 ms On switching time 170 ms DC operating voltage range 18 V 30 V Reference voltage Residual ripple 10 % Setpoint/actual values Optionally: voltage type 0 · 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inlet gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 · Moderate corrosion stress Temperature of medium O °C 60 °C Legree of protection RCM compliance mark Product weight Electrical connection Mikox. 75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Sealing principle	Soft
Safety instructions MPPE-B safety position: if the supply cable breaks, the outlet pressure is maintained in uncontrolled form. Operating pressure Obar 10 bar Pressure regulation range Obar 10 bar Inlet pressure 1 Inlet pressure 1 Inlet pressure hysteresis O.05 bar Switching time off Obar 30 W Reference voltage 10 V Residual ripple Optionally: Voltage type 0 - 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inner gas Et marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium O° C 60 °C Degree of protection Ambient temperature O° C 50 °C Certification RCM compliance mark Product weight Electrical connection With through-hole	Mounting position	Any
is maintained in uncontrolled form. Symbol 00995304 Operating pressure 0 0bar 10 bar Pressure regulation range 0 0bar 10 bar Inlet pressure 1 11 bar 12 bar Max. pressure hysteresis 0.05 bar Switching time off 535 ms On switching time 170 ms DC operating voltage range 18 V 30 V Reference voltage Residual ripple 10 % Setpoint/actual values 0ptionally: Voltage type 0 · 10 V Current type 4-20 mA Operating medium 1 compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium 0°C 60°C Degree of protection IP65 Ambient temperature 0 0°C 60°C Certification RCM compliance mark Product weight 2400 g Electrical connection \$\frac{8}{4} \text{pin Mix 5226}{6} \text{ Round design} Type of mounting With through-hole	Design	Pilot-controlled piston control valve
Operating pressure 0 bar 10 bar Pressure regulation range 0 bar 10 bar Inlet pressure 1 11 bar 12 bar Max. pressure hysteresis 0.05 bar Switching time off 535 ms On switching time 170 ms DC operating voltage range 18 V 30 V Reference voltage 10 V Residual ripple 10 % Setpoint/actual values Optionally: Voltage type 0 - 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium 0°C 60°C Degree of protection IP65 Ambient temperature 0°C-C 60°C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin 45326 Round design Type of mounting With through-hole	Safety instructions	
Pressure regulation range Dear 10 bar	Symbol	00995304
Inlet pressure 1 Max. pressure hysteresis 0.05 bar Switching time off 535 ms On switching time 170 ms DC operating voltage range 18 V30 V Reference voltage 10 V Residual ripple 10 % Setpoint/actual values Optionally: Voltage type 0 - 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 · Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection IP65 Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection Mitox.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Operating pressure	0 bar 10 bar
Max. pressure hysteresis Switching time off On switching time 170 ms DC operating voltage range 18 V 30 V Reference voltage 10 V Residual ripple 10 % Setpoint/actual values Optionally: Voltage type 0 - 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 · Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection IP65 Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight Electrical connection \$\begin{array}{c} \text{Spin} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Pressure regulation range	0 bar 10 bar
Switching time off On switching time DC operating voltage range Reference voltage Residual ripple Setpoint/actual values Optionally: Voltage type 0 - 10 V Current type 4 - 20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 · Moderate corrosion stress Temperature of medium O° C 60 °C Degree of protection IP65 Ambient temperature O °C 50 °C Certification RCM compliance mark Product weight Electrical connection Sepin M16x0.75 Plug as per IDIN 45326 Round design Type of mounting With through-hole	Inlet pressure 1	11 bar 12 bar
On switching time DC operating voltage range 18 V 30 V Reference voltage 10 V Residual ripple 10 % Setpoint/actual values Optionally: Voltage type 0 · 10 V Current type 4 – 20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 · Moderate corrosion stress Temperature of medium 0 ° C 60 ° C Degree of protection IP65 Ambient temperature 0 ° C 50 ° C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Max. pressure hysteresis	0.05 bar
DC operating voltage range Reference voltage Residual ripple Setpoint/actual values Optionally: Voltage type 0 · 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Innert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 · Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection Ambient temperature O°C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Switching time off	535 ms
Reference voltage Residual ripple 10 % Setpoint/actual values Optionally: Voltage type 0 - 10 V Current type 4-20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection IP65 Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	On switching time	170 ms
Residual ripple 10 % Setpoint/actual values Optionally: Voltage type 0 - 10 V Current type 4–20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection IP65 Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	DC operating voltage range	18 V 30 V
Setpoint/actual values Optionally: Voltage type 0 - 10 V Current type 4–20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection IP65 Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Reference voltage	10 V
Voltage type 0 - 10 V Current type 4–20 mA Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium 0 ° C 60 ° C Degree of protection IP65 Ambient temperature 0 ° C 50 ° C Certification RCM compliance mark Product weight 2400 g Electrical connection M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Residual ripple	10 %
Inert gas CE marking (see declaration of conformity) As per EU EMC directive Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection IP65 Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Setpoint/actual values	Voltage type 0 - 10 V
Corrosion resistance class (CRC) 2 - Moderate corrosion stress Temperature of medium 0 °C 60 °C Degree of protection Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Operating medium	
Temperature of medium O °C 60 °C Degree of protection IP65 Ambient temperature O °C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	CE marking (see declaration of conformity)	As per EU EMC directive
Degree of protection IP65 Ambient temperature 0°C 50°C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Ambient temperature 0 °C 50 °C Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Temperature of medium	0 °C 60 °C
Certification RCM compliance mark Product weight 2400 g Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Degree of protection	IP65
Product weight Electrical connection B-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Ambient temperature	0 °C 50 °C
Electrical connection 8-pin M16x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Certification	RCM compliance mark
Mi6x0.75 Plug as per DIN 45326 Round design Type of mounting With through-hole	Product weight	2400 g
	Electrical connection	M16x0.75 Plug as per DIN 45326
Pneumatic connection 1 G1/2	Type of mounting	With through-hole
	Pneumatic connection 1	G1/2

Feature	Value
Pneumatic connection 2	G1/2
Pneumatic connection 3	G1/2
Note on materials	RoHS-compliant
Housing material	Wrought aluminum alloy
Diaphragm material	NBR