Pressure regulator MS12-LR

FESTO

Part number: 535021



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Piloted diaphragm regulator Controller function Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure gauge Operating pressure Oos MPa 2.1 MPa Oos Oos Oos MPa 2.1 MPa Oos Oos MPa 2.1 MP	Feature	Value
Actuator lock Rotary knob with detent Rotary knob with integrated lock can be closed with accessories Mounting position optional optional Piloted diaphragm regulator Controller function Output pressure constant Via primary pressure compensation With secondary venting With recurs flow function Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure gauge Operating pressure 0.8 MPa 2.1 MPa Operating pressure 0.8 MPa 2.1 bar Pressure regulation range 0.15 bar 16 bar Flow rate of secondary exhaust 4000 l/min 22000 l/min Standard nominal flow rate 12000 l/min 22000 l/min CE mark (see declaration of conformity) In EU EMC Directive In accordance with EU ROHS Directive In accordance with EU ROHS Directive In accordance with EU ROHS Directive In CUK ROHS instructions for EMC In UK ROHS instructions for EMC In UK ROHS instructions for EMC In UK ROHS instructions Operating medium Compressed air to 150 8573-1:2010 [7:4:4] Innert gases Corrosion resistance class CRC 2- Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 1.0 °C 60 °C Media temperature 1.0 °C 60 °C Material covering PA Note on materials ROHS Material underneath cover Wrought aluminum alloy Material underneath cover Wrought aluminum alloy Material spring Spring steel	Size	12
Rotary knob with integrated lock can be closed with accessories Mounting position optional Design Piloted diaphragm regulator Controller function Upture pressure constant Var primary pressure constant Var primary pressure compensation With secondary venting With return flow function Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure gauge Operating pressure 0.08 MPa 2.1 MPa Operating pressure 0.8 bar 21 bar Operating pressure 0.8 bar 21 bar Pressure regulation range 0.15 bar 16 bar Flow rate of secondary exhaust 4600 I/min Standard nominal flow rate 12000 I/min 22000 I/min 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 Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Integrases Corrosion resistance class CRC 2-Moderate corrosion stress Corrosion resistance class CRC 2-Moderate corrosion stress CAMBS (PWIS) conformity VDMA24364-B1/82-L Storage temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Media temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering NBR Material underneath cover Wrought aluminium alloy Material underneath cover Material underneath cover Material spring Spring steel	Series	MS
Piloted diaphragm regulator Controller function Pressure gauge (ANALOG) or Pressure display (DIGITAL) With pressure gauge Operating pressure Oos MPa 2.1 MPa Oos Oos Oos MPa 2.1 MPa Oos Oos MPa 2.1 MP	Actuator lock	Rotary knob with integrated lock
Controller function Controller function Controller function Controller function Pressure gauge (ANALOG) or Pressure display (DIGITAL) Coperating pressure Coperating pressure Coperating pressure Coperating pressure Consequence Consequence Consequence Consequence Consequence Consequence Compressed air to ISO 8673-1:2010 [7:4:4] Inert gases Corrosion resistance class CRC LABS (PWIS) conformity Compressure Compressure Compressure Compressed air to ISO 8673-1:2010 [7:4:4] Inert gases Compressure Compressure Compressed air to ISO 8673-1:2010 [7:4:4] Inert gases Corrosion resistance class CRC Compressure temperature Compressure Compressure	Mounting position	optional
Via primary pressure compensation With sectural yeneting With return flow function Pressure gauge (ANALOG) or Pressure display (DIGITAL) Operating pressure O.08 MPa 2.1 MPa Operating pressure O.15 bar 16 bar Flow rate of secondary exhaust Scool //min Standard nominal flow rate CE mark (see declaration of conformity) To EU EMC Directive In accordance with EU ROHS Directive Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Innert gases Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 10 °C 60 °C Ambient temperature 10 °C 60 °C Ambient temperature 10 °C 60 °C Ambient temperature 10 °C 60 °C Material covering Material covering Material covering Material tover Material tover Material tover Material tover Material underneath cover Material spring Material spring Material spring Material spring Material spring Material spring Spring steel	Design	Piloted diaphragm regulator
Operating pressure One secondary exhaust Standard nominal flow rate 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 Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases CARROW Sylvary Sylvary Storage temperature Operature	Controller function	Via primary pressure compensation With secondary venting
Operating pressure 0.8 bar 21 bar Pressure regulation range 0.15 bar 16 bar Flow rate of secondary exhaust \$600 l/min Standard nominal flow rate 12000 l/min 22000 l/min 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 Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Wrought aluminium alloy Material seals NBR Material spring Spring steel	Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge
Pressure regulation range O.15 bar 16 bar Flow rate of secondary exhaust Standard nominal flow rate 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 Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover More the selection of the properties of the propertie	Operating pressure	0.08 MPa 2.1 MPa
Flow rate of secondary exhaust Standard nominal flow rate 12000 l/min 22000 l/min To EU EMC Directive In accordance with EU RoHS Directive CE mark (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Corrosion resistance class CRC LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering Material underneath cover Media also MBR Material spring Material spring Spring steel	Operating pressure	0.8 bar 21 bar
Standard nominal flow rate 12000 l/min 22000 l/min 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 Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Innert gases Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Ither: In-line installation Via mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Morught aluminium alloy Material seals MBR Material spring Spring steel	Pressure regulation range	0.15 bar 16 bar
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 Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Corrosion resistance class CRC 2 · Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Material seals MBR Material spring Spring steel	Flow rate of secondary exhaust	≤600 l/min
In accordance with EU RoHS Directive CE marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering Material covering Material underneath cover Material underneath cover Material seals Marerial spring Spring steel	Standard nominal flow rate	12000 l/min 22000 l/min
To UK RoHS instructions Compressed air to ISO 8573-1:2010 [7:4:4] Inert gases Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Type of mounting Either: Inine installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Material seals Material spring To UK ROHS instructions 2 - Moderate corrosion stress -10 °C 60 °C Either: Inine installation Via mounting bracket Material seals NBR Spring steel	CE mark (see declaration of conformity)	
Inert gases Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Material seals NBR Material spring Inert gases 2 - Moderate corrosion stress LaBS (PWIS) conformity VDMA24364-B1/B2-L 2 - Moderate corrosion stress LaBS (PWIS) conformity VDMA24364-B1/B2-L 2 - Moderate corrosion stress -10 °C 60 °C Either: In-line installation Via mounting bracket Wrought aluminium alloy Material seals NBR	CE marking (see declaration of conformity)	
LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Wrought aluminium alloy Material seals NBR Material spring Spring steel	Operating medium	, , , , , , , , , , , , , , , , , , ,
Storage temperature -10 °C 60 °C Media temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Wrought aluminium alloy Material spring Material spring Spring steel	Corrosion resistance class CRC	2 - Moderate corrosion stress
Media temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Wrought aluminium alloy Material spring Material spring Spring steel	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature -10 °C 60 °C Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Wrought aluminium alloy Material seals NBR Material spring Spring steel	Storage temperature	-10 °C 60 °C
Type of mounting Either: In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Wrought aluminium alloy Material seals NBR Material spring Spring steel	Media temperature	-10 °C 60 °C
In-line installation Via mounting bracket Material covering PA Note on materials RoHS-compliant Material underneath cover Wrought aluminium alloy Material seals NBR Material spring Spring steel	Ambient temperature	-10 °C 60 °C
Note on materials RoHS-compliant Material underneath cover Wrought aluminium alloy Material seals NBR Material spring Spring steel	Type of mounting	In-line installation
Material underneath cover Wrought aluminium alloy Material seals NBR Material spring Spring steel	Material covering	PA
Material seals NBR Material spring Spring steel	Note on materials	RoHS-compliant
Material spring Spring steel	Material underneath cover	Wrought aluminium alloy
1, 5	Material seals	NBR
Material housing Die-cast aluminium	Material spring	Spring steel
	Material housing	Die-cast aluminium

Feature	Value
Material membrane	NBR
	Wrought aluminium alloy NBR High-alloy stainless steel