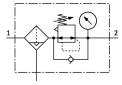
## Filter regulator MS4N-LFR-1/4-D7-CUV-AS Part number: 535752

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## **Data sheet**

SeriesMSActuator lockRotary knob with detent can be closed with accessoriesMounting positionVertical +/-5°Grade of filtration5 μmCondensate drainFully automatic Manual, non-detentingStructural designFilter regulator with pressure gaugeMax. condensate volume25 mlController functionOutlet pressure constant With secondary exhausting With return flow functionBowl guardIntegrated as metal bowl guardDegree of condensate separation75 %Pressure gauge0.2 MPa1.2 MPa 2 bar12 barOperating pressure0.5 bar12 barMax, pressure hysteresis0.52 barStandard momitCompressed air as per ISO 8573-1:2010 [7:4:-] Inert gasOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:-] Inert gasCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed oir as per ISO 8573-1:2010 [6:4:4] </th <th>Feature</th> <th>Value</th>	Feature	Value
Actuator lockRotary knob with detent can be closed with accessoriesMounting positionVertical +/- 5°Grade of filtration5 µmCondensate drainFully automatic Manual, non-detentingStructural designFilter regulator with pressure gaugeMax. condensate volume25 mlController functionOutlet pressure constant With secondary exhausting With return flow functionBowl guardIntegrated as metal bowl guardDegree of condensate separation75 %Pressure gaugewith pressure gaugeOperating pressure0.2 MPa1.2 MPa 2 bar12 barPressure regulation range0.5 bar12 barMax. pressure hysteresis0.25 baStandard nominal flow rate1200 l/minOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:-] Inert gasCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySee suplementary material information Air quality class at the outputCompressed at the pure true-10 °C60 °CPressize5 µm	Size	4
can be closed with accessoriesMounting positionVertical +/- 5°Grade of filtration5 µmCondensate drainFully automatic Manual, non-detentingStructural designFilter regulator with pressure gaugeMax. condensate volume25 mlController functionOutlet pressure constant With secondary exhausting With return flow functionBowl guardIntegrated as metal bowl guardDegree of condensate separation75 %Pressure gauge0.2 MPa1.2 MPa 2 bar12 barOperating pressure0.2 S barStandard nominal flow rate0.20 Jar1.2 MPa 2 bar12 barOperating medium100 JurisOperating medium0.5 bar12 barOperating medium20 JurisOperating medium30 JurisOperating temperature10 °C60 °C <td>Series</td> <td>MS</td>	Series	MS
Grade of filtration   5 μm     Condensate drain   Fully automatic Manual, non-detenting     Structural design   Filter regulator with pressure gauge     Max. condensate volume   25 ml     Controller function   Outlet pressure constant With secondary exhausting With return flow function     Bowl guard   Integrated as metal bowl guard     Degree of condensate separation   75 %     Pressure gauge   with pressure gauge     Operating pressure   0.2 MPa1.2 MPa 2 bar12 bar     Pressure regulation range   0.5 bar12 bar     Max, pressure hysteresis   0.25 bar     Standard nominal flow rate   1200 l/min     Operating medium   Compressed air as per ISO 8573-1:2010 [7:4:-] Inert gas     Corrosion resistance class (CRC)   2 - Moderate corrosion stress     LABS (PWIS) conformity   VDMA24364-B1/B2-L     Storage temperature   -10 °C60 °C     For use in the food industry   See supplementary material information     Air quality class at the output   Compressed air as per ISO 8573-1:2010 [6:4:4]     Temperature of medium   -10 °C60 °C     Pore size   5 µm	Actuator lock	,
Fully automatic Manual, non-detentingStructural designFilter regulator with pressure gaugeMax. condensate volume25 mlController functionOutlet pressure constant With secondary exhausting With return flow functionBowl guardIntegrated as metal bowl guardDegree of condensate separation75 %Pressure gauge0.2 MPa1.2 MPa 2 bar12 barOperating pressure0.5 bar12 barPressure regulation range0.5 bar12 barMax. pressure hysteresis0.25 barStandard nominal flow rate1200 l/minOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:-] Inert gasCorrosion resistance class (CRC)2 - Moderate corrosion stressLBS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CPore size5 µm	Mounting position	Vertical +/- 5°
Manual, non-detentingStructural designFilter regulator with pressure gaugeMax. condensate volume25 mlController functionOutlet pressure constant With secondary exhausting With return flow functionBowl guardIntegrated as metal bowl guardDegree of condensate separation75 %Pressure gaugewith pressure gaugeOperating pressure0.2 MPa1.2 MPa 2 barr12 barPressure regulation range0.5 bar12 barMax, pressure hysteresis0.25 barStandard nominal flow rate1200 l/minOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:-] Inert gasCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySe supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium10 °C60 °CProre size5 µm	Grade of filtration	5 μm
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Pressure gaugewith pressure gaugeOperating pressure0.2 MPa1.2 MPa 2 bar12 barPressure regulation range0.5 bar12 barMax. pressure hysteresis0.25 barStandard nominal flow rate1200 l/minOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:-] Inert gasCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CPre size5 µm	Bowl guard	Integrated as metal bowl guard
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Standard nominal flow rate1200 l/minOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:-] Inert gasCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CAmbient temperature-10 °C60 °CPore size5 μm	Pressure regulation range	0.5 bar12 bar
Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:-] Inert gasCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CAmbient temperature-10 °C60 °CPore size5 µm	Max. pressure hysteresis	0.25 bar
Inert gasCorrosion resistance class (CRC)2 - Moderate corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CAmbient temperature-10 °C60 °CPore size5 μm	Standard nominal flow rate	1200 l/min
LABS (PWIS) conformityVDMA24364-B1/B2-LStorage temperature-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CAmbient temperature-10 °C60 °CPore size5 μm	Operating medium	
Storage temperature-10 °C60 °CFor use in the food industrySee supplementary material informationAir quality class at the outputCompressed air as per ISO 8573-1:2010 [6:4:4]Temperature of medium-10 °C60 °CAmbient temperature-10 °C60 °CPore size5 μm	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
For use in the food industry   See supplementary material information     Air quality class at the output   Compressed air as per ISO 8573-1:2010 [6:4:4]     Temperature of medium   -10 °C60 °C     Ambient temperature   -10 °C60 °C     Pore size   5 μm	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Air quality class at the output   Compressed air as per ISO 8573-1:2010 [6:4:4]     Temperature of medium   -10 °C60 °C     Ambient temperature   -10 °C60 °C     Pore size   5 µm	Storage temperature	-10 °C60 °C
Temperature of medium -10 °C60 °C   Ambient temperature -10 °C60 °C   Pore size 5 μm	For use in the food industry	See supplementary material information
Ambient temperature -10 °C60 °C   Pore size 5 μm	Air quality class at the output	Compressed air as per ISO 8573-1:2010[6:4:4]
Pore size 5 μm	Temperature of medium	-10 °C60 °C
	Ambient temperature	-10 °C60 °C
Product weight 475 g	Pore size	5 μm
	Product weight	475 g

## **FESTO**

Feature	Value
Type of mounting	Front panel mounting Line installation With accessories Optionally:
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	1/4 NPT
Note on materials	RoHS-compliant
Material of sub-base	Die-cast aluminum
Material of operator panel	PA POM
Seals material	NBR
Compressed air filter material	PE
Housing material	Die-cast aluminum
Diaphragm material	NBR
Material of bowl	Die-cast aluminum Wrought aluminum alloy
Inspection window material	PA
Separating disc material	POM