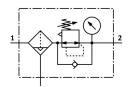
Filter regulator MS9-LFR-G-D7-CUV-AG-BAR-AS Part number: 564121

FESTO





General operating condition

Data sheet

Size 9 Series MS Actuator lock can be closed with accessories Mounting position Vertical +/- 5° Grade of filtration 5 μm Condensate drain Fully automatic Structural design Pilot-controlled compressed air filter diaphragm regulator Max. condensate volume 220 ml Controller function Outlet pressure constant With primary pressure compensation With recondary exhausing with return flow function Degree of condensate separation 75% Symbol 00991587 Pressure gauge with pressure gauge Operating pressure 2 bar 12 bar Pressure egulation range 0.5 bar 12 bar Max. pressure hysteresis 0.4 bar 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 5 °C 60 °C Ari quality class at the output compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C	Feature	Value
Actuator lock Mounting position Vertical +/- 5° Grade of filtration Spimolesian Fully automatic Structural design Pilot-controlled compressed air filter diaphragm regulator Max. condensate volume 220 ml Controller function With primary pressure compensation With secondary exhausting With return flow function Degree of condensate separation 75 % Symbol 00991587 Pressure gauge With pressure gauge With pressure gauge Operating pressure 2 bar 12 bar Pressure regulation range Max. pressure hysteresis 0.4 bar 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 Sc 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium - 10 °C 60 °C Air quality class at the output - 10	Size	9
Mounting position Vertical +/- 5° Grade of filtration 5 μm Condensate drain Fully automatic Structural design Pillot-controlled compressed air filter diaphragm regulator Max. condensate volume 220 ml Controller function Outlet pressure constant With primary pressure compensation With return flow function Degree of condensate separation 75 % Symbol 00991587 Pressure gauge with pressure gauge Operating pressure 2 bar 12 bar Pressure regulation range 0.5 bar 12 bar Max. pressure hysteresis 0.4 bar 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 VDMA24364-81/82-1 Storage temperature 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 μm Product weight 2400 g <t< td=""><td>Series</td><td>MS</td></t<>	Series	MS
Grade of filtration 5 μm Condensate drain Fully automatic Structural design Pilot-controlled compressed air filter diaphragm regulator Max. condensate volume 220 ml Controller function Outlet pressure constant With primary pressure compensation With secondary exhausting With return flow function Degree of condensate separation 75 % Symbol 00991587 Pressure gauge with pressure gauge Operating pressure 2 bar 12 bar Pressure regulation range 0.5 bar 12 bar Max. pressure hysteresis 0.4 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:-] Innert gas Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 μm Product weight 2400 g Type of mounting Optionally: Line installa	Actuator lock	can be closed with accessories
Condensate drain Fully automatic Structural design Max. condensate volume Controller function Outlet pressure constant With primary pressure compensation With secondary exhausting With return flow function Degree of condensate separation Pressure gauge Operating pressure Pressure regulation range Operating medium Corrosion resistance class (CRC) LABS (PWIS) conformity Storage temperature Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:-] Temperature of medium Operating of medium Compressed air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree of condensate separation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree of medium Compressed air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree of condensate separature Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree of condensate separation Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree size Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree size Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree size Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree size Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree size Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree size Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree size Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree size Secure of Called air as per ISO 8573-1:2010 [7:4:-] Rich gas Corrosion resistance class (CRC) Degree of Called air as per ISO 857	Mounting position	Vertical +/- 5°
Structural design Pilot-controlled compressed air filter diaphragm regulator Max. condensate volume 220 ml Controller function With pressure constant With primary pressure compensation With secondary exhausting With return flow function Degree of condensate separation >75 % Symbol 00991587 Pressure gauge with pressure gauge Operating pressure 2 bar 12 bar Pressure regulation range 0.5 bar 12 bar Max. pressure hysteresis 0.4 bar 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 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature fendium -10 °C 60 °C Ambient temperature 10 °C 60 °C Ambient temperature 10 °C 60 °C Ambient temperature 2400 g Product weight 2400 g Product weight 2400 g Covering material PA-reinforced Material of spin disc POM Material of spin disc POM Material of filter support POM Note on materials ROHS—Compliant	Grade of filtration	5 μm
Max. condensate volume Controller function Controller function Controller function Controller function Degree of condensate separation 775 % Symbol Oosp1587 Pressure gauge Operating pressure 2 bar 12 bar Pressure regulation range 0.5 bar 12 bar Pressure segulation range 0.5 bar 12 bar Operating medium Compressed air as per ISO 8573-1:2010 [7:4:-] linert gas Corrosion resistance class (CRC) 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium 10 °C 60 °C Ambient temperature 5 °C 60 °C Ambient temperature 5 µm Product weight 10 °C 60 °C Ambient temperature 7 per size Product weight Product weight Product seight Ambient function With accessories Covering material Material of spin disc POM Material of filter support POM Note on materials RoHS-compliant	Condensate drain	Fully automatic
Controller function Degree of condensate separation With primary pressure compensation With primary pressure compensation With secondary exhausting With return flow function 75 % Symbol Operating pressure With pressure gauge Operating pressure Degree of condensate separation Operating pressure Pressure regulation range O.5 bar 12 bar Max. pressure hysteresis O.4 bar 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 VDMA2364-B1/B2-L Storage temperature 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature 10 °C 60 °C Ambient temperature 5 µm Product weight 10 pot on Optionally: Une installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support POM Note on materials	Structural design	Pilot-controlled compressed air filter diaphragm regulator
With primary pressure compensation with secondary exhausting with return flow function Degree of condensate separation	Max. condensate volume	220 ml
Symbol 00991587 Pressure gauge with pressure gauge Operating pressure 2 bar 12 bar Pressure regulation range 0.5 bar 12 bar Max. pressure hysteresis 0.4 bar 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 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 µm Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support POM Note on materials RoHS-compliant	Controller function	With primary pressure compensation With secondary exhausting
Pressure gauge Operating pressure Operating pressure Operating pressure Pressure regulation range O.5 bar 12 bar Max. pressure hysteresis O.4 bar 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 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 µm Product weight 2400 g Type of mounting Uptionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support Note on materials RoHS-compliant	Degree of condensate separation	>75 %
Operating pressure 2 bar 12 bar Pressure regulation range 0.5 bar 12 bar Max. pressure hysteresis 0.4 bar 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 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 µm Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support POM Note on materials RoHS-compliant	Symbol	00991587
Pressure regulation range Max. pressure hysteresis 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 5° C 60° C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10° C 60° C Ambient temperature -10° C 60° C Pore size 5 µm Product weight Type of mounting Optionally: Line installation With accessories Covering material Material of spin disc POM Material of filter support Note on materials O,4 bar Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of PoM Note on materials O,5 bar 12 bar O,4 bar Optionalty: Line installation With accessories RoHS-compliant	Pressure gauge	with pressure gauge
Max. pressure hysteresis 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 5 ° C 60 ° C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 ° C 60 ° C Ambient temperature -10 ° C 60 ° C Pore size Friday Friday Product weight Type of mounting Optionally: Line installation With accessories Covering material Material of spin disc POM Material of filter support Note on materials ROHS-compliant	Operating pressure	2 bar 12 bar
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 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 µm Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material Material of spin disc POM Material of filter support Note on materials RoHS-compliant	Pressure regulation range	0.5 bar 12 bar
Inert gas Corrosion resistance class (CRC) LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 5°C60°C 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 Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material Material of spin disc POM Material of filter support Note on materials RoHS-compliant	Max. pressure hysteresis	0.4 bar
LABS (PWIS) conformity VDMA24364-B1/B2-L Storage temperature 5°C60°C 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 Product weight 2400 g Type of mounting Unionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support Note on materials ROHS-compliant	Operating medium	, , , , , , , , , , , , , , , , , , , ,
Storage temperature 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 μm Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support POM Note on materials RoHS-compliant	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Air quality class at the output Compressed air as per ISO 8573-1:2010 [6:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 µm Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support Note on materials ROHS-compliant	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 5 µm Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support Note on materials ROHS-compliant	Storage temperature	5 °C 60 °C
Ambient temperature Pore size Fore size Product weight Type of mounting Covering material Material of spin disc Material of filter support Note on materials Pore Size Pow 10°C 60°C Pum 2400 g Optionally: Line installation With accessories PA-reinforced PA-reinforced POM RoHS-compliant	Air quality class at the output	Compressed air as per ISO 8573-1:2010 [6:4:4]
Pore size 5 μm Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support POM Note on materials RoHS-compliant	Temperature of medium	-10 °C 60 °C
Product weight 2400 g Type of mounting Optionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support POM Note on materials ROHS-compliant	Ambient temperature	-10 °C 60 °C
Type of mounting Optionally: Line installation With accessories Covering material PA-reinforced Material of spin disc POM Material of filter support Note on materials Optionally: Line installation With accessories PA-reinforced POM RoHS-compliant	Pore size	5 μm
Line installation With accessories Covering material Material of spin disc Material of filter support Note on materials Line installation With accessories PA-reinforced POM POM ROHS-compliant	Product weight	2400 g
Material of spin discPOMMaterial of filter supportPOMNote on materialsRoHS-compliant	Type of mounting	Line installation
Material of filter support POM Note on materials RoHS-compliant	Covering material	PA-reinforced
Note on materials RoHS-compliant	Material of spin disc	POM
	Material of filter support	РОМ
Material of sub-base Die-cast aluminum	Note on materials	RoHS-compliant
	Material of sub-base	Die-cast aluminum

Feature	Value
Material of mounting bracket	Die-cast aluminum
Compressed air filter material	PE
Housing material	Die-cast aluminum
Module connector material	Die-cast aluminum
Diaphragm material	NBR
Material of bowl	Wrought aluminum alloy
Shell sealing material	NBR
Inspection window material	PA
Separating disc material	POM
Valve tappet material	Wrought aluminum alloy NBR POM