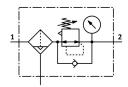
Filter regulator MS9-LFR-G-D6-EUV-DI-AG-BAR-AS Part number: 564113

FESTO





General operating condition

Data sheet

Size 9 Series MS Actuator lock can be closed with accessories Mounting position Vertical +/- 5° Grade of filtration 40 µm Condensate drain Fully automatic Structural design Directly 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 egulation range 0.5 bar 7 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 [7:4:4] Temperature of medium -10 °C 60 °C <tr< th=""><th>Feature</th><th>Value</th></tr<>	Feature	Value
Actuator lock Mounting position Vertical +/- 5° Grade of filtration Ad ym Condensate drain Condensate design Directly controlled compressed air filter diaphragm regulator Max. condensate volume Controller function Max. condensate volume 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 Corrosion resistance class (CRC) Corrosion resistance class (CRC) Corrosion resistance des the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Air ali of inclination With accessories Covering material Percentage air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Air ali of filter support Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Air ali of filter support Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium Air ali of filter support Air compression Air compression Air compression Air compression Air compression Air compressi	Size	9
Mounting position Vertical +/- 5° Grade of filtration 40 μm Condensate drain Fully automatic Structural design Directly 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 7 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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 40 μm Product weight 2400 g	Series	MS
Grade of filtration Condensate drain Fully automatic Structural design Directly controlled compressed air filter diaphragm regulator Max. condensate volume 220 ml Outlet pressure constant With primary pressure compensation With secondary exhausting With return flow function 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 7 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 [7:4:4] Temperature of medium 1.0 °C 60 °C Ambient temperature 1.0 °C 60 °C Ambient temperature 2400 g Presize Product weight Quitonally: Line installation With accessories Covering material PA reinforced Material of Spin disc POM Material of Spin disc RoHS-compliant	Actuator lock	can be closed with accessories
Condensate drain Fully automatic Structural design Directly controlled compressed air filter diaphragm regulator Max. condensate volume Controller function Outlet pressure constant With primary pressure compensation With secondary exhausting With return flow function Degree of condensate separation 775 % Symbol Degree of condensate separation Operating pressure Operating pressure Degree of condensate separation Operating pressure 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 Operating medium Operating medium	Mounting position	Vertical +/- 5°
Structural design Directly 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 7 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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature 10 °C 60 °C Ambient temperature 10 °C 60 °C Ambient temperature 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	40 μm
Max. condensate volume Controller function Controller function Controller function Controller function Degree of condensate separation 775 % Symbol Coperating pressure Operating pressure Operating pressure Operating medium Compressed air as per ISO 8573-1:2010 [7:4:-] linert gas Corrosion resistance class (CRC) Air quality class at the output Compressure if and the output Compressure if an aperature Air quality class at the output Compressure of ∞C Ambient temperature	Condensate drain	Fully automatic
Controller function Degree of condensate separation Degree of condensate separation Pressure gauge Operating pressure Operating medium Corrosion resistance class (CRC) LABS (PWIS) conformity VOMA2364-B1/B2-L Storage temperature Air quality class at the output Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:-] Inert gas So "C 60 °C Air quality class at the output Temperature of medium Compressed air as per ISO 8573-1:2010 [7:4:-] Respectively Storage temperature 5 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:-] Temperature of medium 10 °C 60 °C Air quality class at the output Compressed air as per ISO 8573-1:2010 [7:4:4] Temperature of medium 10 °C 60 °C Ambient temperature 40 µm Product weight 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	Structural design	Directly 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 7 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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Ambient temperature 40 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 7 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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 40 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 7 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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 40 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 [7:4:4] Temperature of medium -10° C 60° C Ambient temperature 40 µm Product weight Type of mounting Optionally: Line installation With accessories Covering material Material of spin disc Mote on materials 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 [7:4:4] Temperature of medium -10 ° C 60 ° C Ambient temperature -10 ° C 60 ° C Ambient temperature 40 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 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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 40 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 7 bar
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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 40 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	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 [7:4:4] Temperature of medium -10°C60°C Ambient temperature -10°C60°C Pore size 40 µm Product weight Type of mounting Coptionally: 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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 40 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 [7:4:4] Temperature of medium -10 °C 60 °C Ambient temperature -10 °C 60 °C Pore size 40 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 40 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 -10 °C 60 °C Pore size 40 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	Air quality class at the output	Compressed air as per ISO 8573-1:2010 [7:4:4]
Pore size 40 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 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	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	40 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