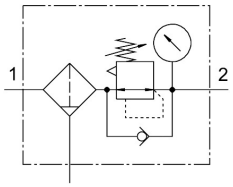
Filter regulator
MS2-LFR-M5-D6-C-P-M-AR-MPA-B

Part number: 8086642





General operating condition

Data sheet

Feature	Value
Size	2
Series	MS
Actuator lock	Rotary knob with detent
Mounting position	Vertical +/- 5°
Grade of filtration	5 µm
Condensate drain	Manually rotating
Structural design	Filter regulator with pressure gauge
Max. condensate volume	3 ml
Controller function	Outlet pressure constant With secondary exhausting With return flow function
Symbol	00991589
Displayable unit(s)	MPa
Pressure gauge	with pressure gauge
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Pressure regulation range	0.5 bar ... 7 bar
Max. pressure hysteresis	0.025 MPa
Max. pressure hysteresis	0.25 bar
Max. pressure hysteresis	3.625 psi
Standard nominal flow rate	140 l/min
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom class	Class 7 according to ISO 14644-1
Storage temperature	-5 °C ... 50 °C
Air quality class at the output	Compressed air as per ISO 8573-1:2010 [6:4:4]
Temperature of medium	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Product weight	46.8 g
Type of mounting	With accessories
Pneumatic connection 1	M5
Pneumatic connection 2	M5
Note on materials	RoHS-compliant

Feature	Value
Seals material	NBR
Rotary knob material	POM
Material of spring	High-alloy steel
Compressed air filter material	PE
Housing material	PA-reinforced
Diaphragm material	NBR
Material of bowl	PC
Separating disc material	POM
Valve tappet material	Wrought aluminum alloy NBR