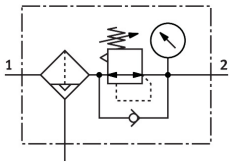
Filter regulator
MS12-LFR-G-D7-EUV-LD-AS

Part number: 537149



General operating condition

Data sheet

Feature	Value
Size	12
Series	MS
Actuator lock	Rotary knob with detent can be closed with accessories
Mounting position	Vertical +/-5°
Grade of filtration	40 µm
Condensate drain	Fully automatic Manual, non-detenting
Design	Piloted diaphragm regulator
Max. condensate volume	400 ml
Controller function	Output pressure constant Via primary pressure compensation With secondary venting With return flow function
Bowl guard	Integrated as metal bowl
Degree of condensate separation	>75 %
Symbol	00991587
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure gauge
Operating pressure	2 bar ... 12 bar
Pressure regulation range	0.5 bar ... 12 bar
Max. pressure hysteresis	0.4 bar
Flow rate of secondary exhaust	500 l/min
Standard nominal flow rate (standardised to DIN 1343)	12000 l/min ... 17000 l/min
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:-] Inert gases
Note on operating and pilot medium	Ester oil < 0.1mg/m³, according to ISO 8573-1:2010 [-:-:2]
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-10 °C ... 60 °C
Air purity class at output	Compressed air to ISO 8573-1:2010 [7:4:4]
Media temperature	5 °C ... 60 °C
Ambient temperature	5 °C ... 60 °C
Pore size	40 µm
Product weight	7000 g
Type of mounting	Either: In-line installation Via mounting bracket

Feature	Value
Pneumatic connection, port 1	Internal
Pneumatic connection, port 2	Internal
Material covering	PA
Material spin disc	POM
Material filter carrier	POM
Material sight glass metal bowl	PC
Material control panel	PA-reinforced POM
Material seals	NBR
Material spring	Spring steel
Material filter	Sintered bronze
Material housing	Die-cast aluminium
Material membrane	NBR
Material bowl	Wrought aluminium alloy
Material separating plate	POM
Material valve stem	Wrought aluminium alloy NBR High-alloy stainless steel
Material stabilization disc	POM