Filter regulator
MS4-LFR

Part number: 526489



Data sheet

Feature	Value
Size	4
Series	MS
Actuator lock	Rotary knob with detent Rotary knob with integrated lock can be closed with accessories
Mounting position	Vertical +/-5°
Grade of filtration	5 µm...40 µm
Condensate drain	Fully automatic Manual, non-detenting Manual, rotating Semi-automatic
Design	Filter regulator with pressure gauge Filter regulator without pressure gauge
Controller function	Output pressure constant With secondary exhausting With return flow function
Bowl guard	Plastic bowl guard Integrated as metal bowl
Degree of condensate separation	75 %
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Prepared for G1/4 Prepared for G1/8 With pressure sensor With pressure gauge
Operating pressure	0.08 MPa...1.4 MPa 0.8 bar...14 bar
Pressure regulation range	0.3 bar...12 bar
Max. pressure hysteresis	0.25 bar
Standard nominal flow rate (standardised to DIN 1343)	850 l/min...1800 l/min
Approval	c UL us - Recognised (Oil)
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
Explosion protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX)

Feature	Value
	Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category dust	II 2D
Explosion ignition protection type for gas	Ex h IIC T6 Gb X
Explosion ignition protection type for dust	Ex h IIIC T60°C Db X
Explosion ambient temperature	-10°C <= Ta <= +60°C
Operating medium	Compressed air to ISO 8573-1:2010 [-:4:-] Compressed air to 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 °C...60 °C
Suitable for use with food	See supplementary material information
Media temperature	-10 °C...60 °C
Ambient temperature	-10 °C...60 °C
Type of mounting	Either: Front panel mounting Inline installation With accessories
Note on materials	RoHS compliant
Material sub-base	Die-cast aluminium
Material seals	NBR
Material filter	Packaging unit
Material housing	Die-cast aluminium
Material membrane	NBR
Material separating plate	POM