Filter regulator
MS4N-LFR

Part number: 527694

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 Manually rotating Semi-automatic
Structural design	Filter regulator with pressure gauge Filter regulator without pressure gauge
Controller function	Outlet pressure constant With secondary exhausting With return flow function
Bowl guard	Plastic bowl guard Integrated as metal bowl guard
Degree of condensate separation	75 %
Pressure gauge	G1/4 prepared G1/8 prepared 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	850 l/min...1800 l/min
Certification	c UL us - Recognized (OL)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
ATEX category gas	II 2G
ATEX category for dust	II 2D

Feature	Value
Type of ignition protection for gas	Ex h IIC T6 Gb X
Type of (ignition) protection for dust	Ex h IIIC T60°C Db X
Explosive ambient temperature	-10°C <= Ta <= +60°C
Operating medium	Compressed air as per ISO 8573-1:2010 [-:4:-] 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	-10 °C...60 °C
For use in the food industry	See supplementary material information
Temperature of medium	-10 °C...60 °C
Ambient temperature	-10 °C...60 °C
Type of mounting	Front panel mounting Line installation With accessories Optionally:
Note on materials	RoHS-compliant
Material of sub-base	Die-cast aluminum
Seals material	NBR
Compressed air filter material	PE
Housing material	Die-cast aluminum
Diaphragm material	NBR
Separating disc material	POM