Filter regulator
MS4-LFR

Part number: 526489



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	4
For use in the food industry	See supplementary material information
Type code	MS4-LFR
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 Manually rotating Semi-automatic
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
Pressure gauge	G1/4 prepared G1/8 prepared with pressure sensor with pressure gauge
Operating pressure	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
ATEX category gas	II 2G
Type of ignition protection for gas	Ex h IIC T6 Gb X
ATEX category for dust	II 2D
Type of (ignition) protection for dust	Ex h IIIC T60°C Db X
Explosive ambient temperature	+5°C <= Ta <= +60°C
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
Operating medium	Compressed air as per ISO 8573-1:2010 [-:4:-] Compressed air as per ISO 8573-1:2010 [7:4:-] Inert gas

Feature	Value
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Storage temperature	-10 °C ... 60 °C
Temperature of medium	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Certification	c UL us - Recognized (OL)
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