

# Service unit combination MSB9

Part number: 552938

FESTO



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	9
Series	MS
Type of actuation	Electrical Manual Pneumatic
Actuator lock	Rotary knob with integrated lock
Mounting position	Any Vertical +/-5°
Grade of filtration	0.01 µm ... 40 µm
Condensate drain	Manual, rotating Semi-automatic
Design	Proportional standard mist lubricator Sintered filter with centrifugal separator
Max. condensate volume	220 ml
Max. oil capacity	490 cm <sup>3</sup>
Controller function	Output pressure constant With primary pressure compensation With secondary exhausting With return flow function
Bowl guard	Integrated as metal bowl
Differential pressure display	Visual indicator With pressure sensor
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	With pressure sensor With pressure gauge
Operating pressure	0 MPa ... 2 MPa
Operating pressure	0 bar ... 20 bar
Operating pressure	0 psi ... 290 psi
Pressure regulation range	0.1 MPa ... 1.6 MPa
Pressure regulation range	1 bar ... 16 bar
Pressure regulation range	14.5 psi ... 232 psi
Standard nominal flow rate (standardised to DIN 1343)	1400 l/min ... 18000 l/min
Characteristic coil data	230 V AC: 50/60 Hz, pick-up power 11.5 VA, holding power 9.1 VA 24 V DC: 4.5 W 24 V DC: 8.4 W
Approval	c UL us - Recognised (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive To EU Explosion Protection Directive (ATEX) To EC Machinery Directive In accordance with EU RoHS Directive

Feature	Value
UKCA marking (see declaration of conformity)	To UK regulations for machines To UK RoHS instructions To UK regulations for electrical equipment
Explosion protection certification outside the EU	EPL Db (GB) EPL Dc (GB) EPL Gb (GB) EPL Gc (GB)
Explosion protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 2 (UKEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX) Zone 22 (UKEX)
ATEX category gas	II 2G II 3G
ATEX category dust	II 2D II 3D
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
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-10 °C ... 60 °C
Media temperature	-10 °C ... 60 °C
Ambient temperature	-10 °C ... 60 °C
Type of mounting	With accessories
Pneumatic connection, port 1	G1/2 G3/4 G1 G1 1/4 G1 1/2 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT
Pneumatic connection, port 2	G1/2 G3/4 G1 G1 1/4 G1 1/2 1/2 NPT 3/4 NPT 1 NPT 1 1/4 NPT 1 1/2 NPT
Pneumatic connection, port 3	G1 1 NPT
Material seals	NBR
Material housing	Die-cast aluminium
Material bowl	Wrought aluminium alloy