

# Service unit combination MSB9

Part number: 552938

**FESTO**



## Data sheet

Feature	Value
Size	9
Series	MS
Type of actuation	Electric Manual Pneumatic
Actuator lock	Rotary knob with integrated lock
Mounting position	optional Vertical +/-5°
Grade of filtration	0.01 µm...40 µm
Condensate drain	Fully automatic Manually rotating Semi-automatic
Design	Branching module Activated carbon filter Pressure regulator with pressure gauge Soft-start/quick exhaust valve On/off valve Fibre filter Filter regulator with pressure gauge Filter regulator without pressure gauge Proportional standard mist lubricator Sintered filter with centrifugal separator
Max. condensate volume	220 ml
Max. oil capacity	490 ml
Controller function	Output pressure constant Via primary pressure compensation With secondary venting With return flow function
Bowl guard	Integrated as metal bowl
Differential pressure display	Visual display Via pressure sensor
Pressure gauge (ANALOG) or Pressure display (DIGITAL)	Via pressure sensor With pressure gauge
Operating pressure	0 MPa...2 MPa 0 bar...20 bar 0 psi...290 psi

Feature	Value
Pressure regulation range	0.1 MPa...1.6 MPa 1 bar...16 bar 14.5 psi...232 psi
Standard nominal flow rate (standardised to DIN 1343)	1400 l/min...18000 l/min
Characteristic coil data	110 V AC: 50/60 Hz, pick-up power 11.5 VA, holding power 8.9 VA 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 - Recognized (OL)
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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK EX instructions 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
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

