

Air preparation combination unit MSB9

Part number: 552938

FESTO



Data sheet

Feature	Value
Size	9
Series	MS
Actuation type	Electrical Manual Pneumatic
Actuator lock	Rotary knob with integrated lock
Mounting position	Any Vertical $\pm 5^\circ$
Grade of filtration	0.01 μm ...40 μm
Condensate drain	Fully automatic Manual, rotating Semiautomatic
Structural design	Branching module Activated carbon filter Pressure regulator with pressure gauge Soft start/quick exhaust valve On/off valve Fiber filter Filter regulator with pressure gauge Filter regulator without pressure gauge Proportional standard oil mist lubricator Sinter filter with centrifugal separator
Max. condensate volume	220 ml
Max. oil capacity	490 ml
Controller function	Constant output pressure With primary pressure compensation With secondary exhausting With return flow characteristic
Bowl guard	Integrated as metal bowl
Differential pressure display	Visual display With pressure sensor
Pressure gauge	With pressure sensor with pressure gauge
Operating pressure	0 MPa...2 MPa 0 bar...20 bar 0 psi...290 psi
Pressure regulation range MPa	0.1 MPa...1.6 MPa

Feature	Value
Pressure regulation range	1 bar...16 bar
Pressure regulation range psi	14.5 psi...232 psi
Normal nominal flow rate (normalized to DIN 1343)	1400 l/min...18000 l/min
Coil characteristics	110 V AC: 50/60 Hz, initial power 11.5 VA, holding power 8.9 VA 230 V AC: 50/60 Hz, initial power 11.5 VA, holding power 9.1 VA 24 V DC: 4.5 W 24 V DC: 8.4 W
Certification	c UL us - recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive as per EU explosion protection directive (ATEX) as per EU machinery directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC acc. to UK EX instructions To UK instructions for machines To UK RoHS instructions To UK instructions for electrical equipment
Explosion protection certification outside the EU	EPL Db (GB) EPL Dc (GB) EPL Gb (GB) EPL Gc (GB)
Explosion prevention and 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 as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-10 °C...60 °C
Temperature of medium	-10 °C...60 °C
Ambient temperature	-10 °C...60 °C
Type of mounting	With accessories
Pneumatic connection 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 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 3	G1 1 NPT
Seals material	NBR
Housing material	Die-cast aluminum
Material of bowl	Wrought aluminum alloy