

# Filter regulator MS12-LFR-G-D7-CUV-LD-AS

Part number: 537150

FESTO

Maximum output pressure 12 bar, 5 µm filter, with pressure gauge, lockable regulator head, metal bowl guard, fully automatic condensate drain, flow direction from left to right.



## Data sheet

Feature	Value
Size	12
Series	MS
Actuator lock	Rotary knob with lock with accessories, lockable
Assembly position	Vertical +/- 5°
Grade of filtration	5 µm
Condensate drain	fully automatic manual momentary-contact
Design structure	Filter regulator with pressure gauge Sintered filter with centrifugal separator With condensate drain with secondary exhaust modular Pilot actuated diaphragm regulator
Max. condensate volume	400 cm <sup>3</sup>
Controller function	Output pressure constant with initial pressure compensation with secondary exhaust with return flow
Bowl guard	integrated as metal shell
Pressure gauge	with pressure gauge
Working pressure	2 ... 12 bar
Pressure regulation range	0.5 ... 12 bar
Max. pressure hysteresis	0.4 bar
Flow rate, secondary venting	500 l/min
Standard nominal flow rate	11,000 ... 14,000 l/min
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:-] Inert gases
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Storage temperature	-10 ... 60 °C
Air purity class at output	Compressed air in accordance with ISO8573-1:2010 [6:4:4]
Medium temperature	5 ... 60 °C
Ambient temperature	5 ... 60 °C
Product weight	7,000 g
Mounting type	Line installation With mounting bracket Optional
Pneumatic connection, port 1	Internal
Pneumatic connection, port 2	Internal
Material of cover	PA
Material of spin disc	POM
Material of filter holder	POM

Feature	Value
Material of sight glass metal bowl	PC
Material control panel	PA-reinforced POM
Material seals	NBR
Material spring	Spring steel
Material filter	Sintered bronze
Material housing	Aluminum die cast
Material membrane	NBR
Material bowl	Wrought Aluminum alloy
Material separating plate	POM
Material valve stem	Wrought Aluminum alloy NBR High alloy steel, non-corrosive
Material of stabilising disc	POM