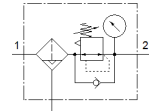# filter regulator
MS12-LFR-G-D7-EUV-LD-AS
Part number: 537149

FESTO

Maximum output pressure 12 bar, 40 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	40 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 cm3
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
Operating 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	12,000 ... 17,000 l/min
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:-]
	Inert gases
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Storage temperature	-10 ... 60 °C
Air purity class at output	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Medium temperature	5 ... 60 °C
Ambient temperature	5 ... 60 °C
Product weight	7,000 g
Mounting type	Optional
	Line installation
	With mounting bracket
Pneumatic connection, port 1	Internal
Pneumatic connection, port 2	Internal
Material of cover	PA
Material of spin disc	POM
Material of filter holder	POM
Material of sight glass metal bowl	PC

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