

# MS9 series service units

FESTO



**600% higher flow rate? The new size MS9 with port size 1" makes this possible!** With size MS9 fine (LFM-B), micro (LFM-A) and activated carbon filters (LFX), you can optimise the overall flow rate of the innovative service unit MS.

#### Reduce costs ...

... with the possible mix of sizes. Just combine the powerful, small components such as regulators or valves of the MS6, with the filter LFM or LFX for optimal flow in MS9, and connect them using size adapter MS6-9-ARMV.

#### Reduce space ...

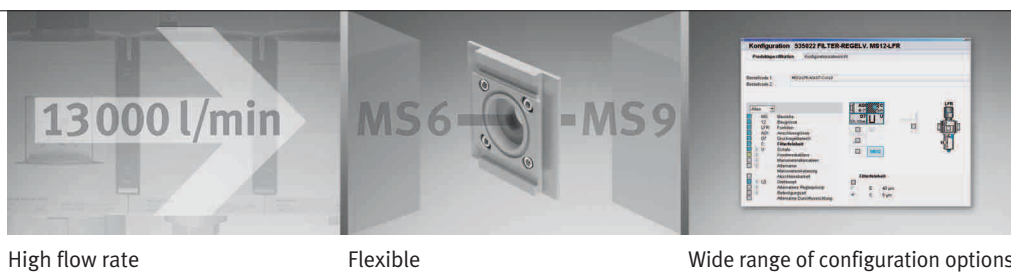
... using the combination of MS6 or MS9 and MS12.

#### Withstands the roughest environments ...

... because the MS9 series has a robust and solid metal construction and is equipped with a standard metal bowl.

#### Can be easily operated ...

... and combined, because both individual modules and customised solutions are possible with the MS service units.



High flow rate

Flexible

Wide range of configuration options

408.6. PSI →

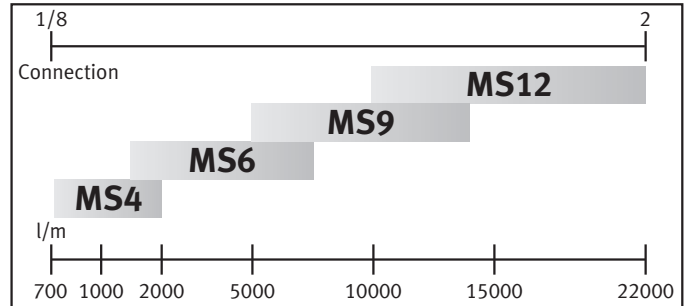
Product Short Information

# MS9 series service units

## Freely combinable functional modules

All functions of compressed air preparation are brought together in one product range: pressure regulators, on/off and soft/start valves, filters, dryers, sensors and lubricators offer the right solution for every task. Freely combinable thanks to their modular structure.

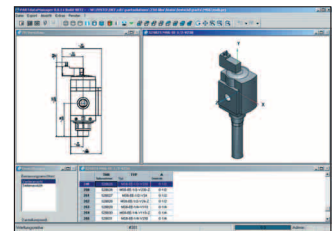
The top performers in the range are the new functional modules with built-in sensors and remote adjustment function. Modern technology for a new dimension of compressed air preparation: remote controlled pressure monitoring for maximum process reliability.



Flow rates based on the LR pressure regulating valve

## New and available models

Function module	MS4	MS6	MS9	MS12
<b>Pressure shut-off, relief and build-up</b>				
Switch on, Manual EM	Yes	Yes	New	Yes
Switch on, electric EE	Yes	Yes	New	Yes
Soft-start/quick exhaust valve SV	–	Yes	–	–
<b>Pressure control</b>				
Manual LR	Yes	Yes	New	Yes
<b>Compressed air filtration</b>				
Water separator LWS	–	Yes	–	–
Filters 5 and 40 µm, LF	Yes	Yes	New	Yes
Fine filter 1 µm, LFM-B	Yes	Yes	Yes	Yes
Micro filter 0.01 µm, LFM-A	Yes	Yes	Yes	Yes
Activated carbon filter LFX	Yes	Yes	Yes	Yes
<b>Filter regulation combination</b>				
Filter regulator LFR	Yes	Yes	New	Yes
<b>Recording and measurement</b>				
Pressure monitors SDE1 + SDE5	Yes	Yes	Yes (SDE5 only)	–
Filter contamination indicator	Yes	Yes	Yes	Yes
Flow measurement	–	Yes	–	–
<b>Compressed air distribution</b>				
Distributor FRM	Yes	Yes	New	Yes
<b>Drying</b>				
Membrane air dryer LDM	Yes	Yes	–	–



Downloadable CAD drawings



The new product configurator: helps you reach your goals even more quickly and easily than before.

Type	MS4	MS6	MS9	MS12
Dimension	40 mm	62 mm	90 mm	124 mm
Permissible primary pressure	max. 14 bar	max. 20 bar	max. 20 bar	Max. 21 bar*
Operating temperature	-10 ... +60°C			
Housing material	Die-cast aluminium			
Connection sizes	G 1/8, 1/4, 3/8	G 1/4, 3/8, 1/2, 3/4	G 1/2, 3/4, 1, 1 1/4, 1 1/2	G 1, 1 1/4, 1 1/2, 2

\* Lubricator max. 16 bar, fully automatic condensate drain max. 12 bar

Festo AG & Co. KG

Rüter Strasse 82  
73734 Esslingen  
www.festo.com  
Tel. +49 711 347 0  
Fax +49 711 347 21 44  
service\_international@festo.com