

# MS series service units

# FESTO



## One for all!

### Highlights

- High flow rates
- Individual configuration
- Integrated sensors
- Safety functions
- Energy efficiency thanks to size mix

With its large product range, highly functional components and a wide choice of services, the MS series from Festo offers a complete concept for compressed air preparation. For simple standard applications as well as application-specific solutions with the highest quality requirements. The option to mix sizes for maximum energy efficiency is included as standard.

### Solutions for every application

Whether you require individual components, pre-assembled combinations ex-stock, application-specific combinations or ready-to-install solutions, the configurator ensures the optimum dimensioning of every variant. And the free CAD models are ideal for your planning work!

### Maximum machine availability through controlled processes

Thanks to the integrated pressure and flow sensors of the MS series, you can count on exceptionally reliable compressed air preparation and supply for your installation.

### High performance that pays for itself

Maximum flow rates combined with minimum space requirement: this saves money, since you can often use a smaller service unit than would be needed with other comparable service units.

### Integrated safety engineering

In an emergency, the service units of the MS series provide a reliable exhaust function: Festo offers you solutions for every performance level.

### Certification

UL and ATEX category 2GD

Certification:



# MS series service units

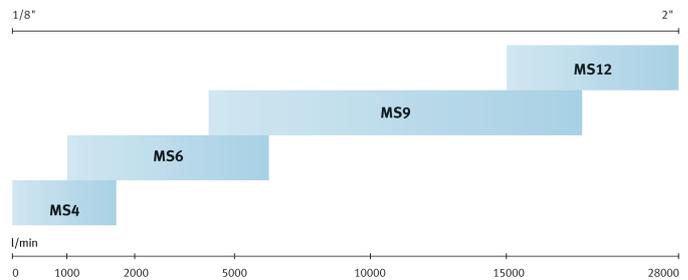
## Freely combinable function modules

All the functions required for modern compressed air preparation are combined in one product series: pressure regulators, on/off and soft-start valves with safety functions, filters, pressure and flow rate sensors, dryers, sensors and lubricators. This allows a suitable solution to be

assembled for every task. Their modular structure means that the components are freely combinable.

### One series – four sizes

The four sizes of the MS series cover all the possible flow rate needs.



Flow rates based on pressure regulator LFR

### Energy efficiency thanks to intelligent size mix



- Optimum flow rate with up to 18% smaller size
- Excellent energy efficiency
- Cost-optimised combinations – save up to 30%!

### Soft-start and exhaust valves MS-SV-E



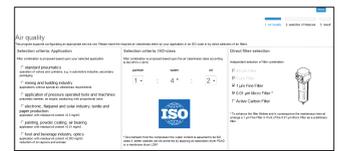
- Fast and reliable exhausting of systems
- Integrated soft-start function
- High flow and exhaust rates with compact design
- Certified for Performance Level e to DIN EN ISO 13849-1

### Integrated sensors



- Pressure and flow sensors with clear display
- Integratable or as stand-alone version
- Easy to connect using M8/M12 plug

### Tailor-made – thanks to engineering tools



Versatile engineering tool to find the right combination and air quality class

- Predefined or as recommendation
- Automatic pre-configuration
- No more overdimensioning



The best way to find the required combination: the product configurator

- For fast configuration
- Easy transfer of ordering data

## Technical data

Type	MS4	MS6	MS9	MS12
Grid dimension [mm]	40	62	90	124
Permissible primary pressure [bar]	Max. 14	Max. 20	Max. 20	Max. 20*
Operating temperature [°C]	-10 ... +60			
Flow rate of LFR qnN [l/min.]	1,700	6,200	20,000	28,000
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