

# Service unit MS12



## Maximum flow!

### Maximum flow rate meets maximum modularity: MS12.

This top-performance unit, delivering up to 22,000 l/min of perfectly prepared compressed air, opens up new dimensions in reliable compressed-air supply and thus also new areas of application in central and decentral air preparation. Its modular design allows individual configuration of MS12 service units for specific needs.

### Top performance – a new dimension in high flow rates

Cost-effective performance with reliable supply: Ideal for central or decentral compressed-air preparation in cases where large volumes of air are required. Maximum flow rates of up to 22,000 l/min for total process security.

### Ultra modern central air preparation

The overall MS12 product line offers a broad range of professional air preparation solutions.

All important functions are available in sizes up to 2" – including a wide choice of degrees of filtration and on/off valves.

### A convenient way to select individual solutions

A configurator enables individual MS12 units to be customised precisely to meet your needs. The configurator is available free of charge within Festo's electronic catalogue.

[www.festo.com/en/engineering](http://www.festo.com/en/engineering)



High flow rates ...

versatile ...

convenient!

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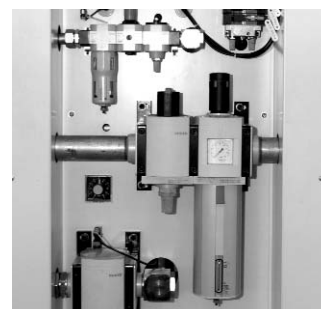
Product Short Information

# Service unit MS12

Modular design - freely-combinable function modules:



Fitted in a piping system



Fitted in an installation

## The complete MS12 product line

### Filter/regulators



- Integration of filter and regulator functions
- Degrees of filtration: 40 µm and 5µm
- Especially suitable for pre-filtration
- Metal bowl
- Choice of condensate drains: Manual, fully automatic or fully automatic, solenoid-controlled

### Filters



- 4 different filter grades: 40 µm / 5 µm / 1 µm / 0.01 µm
- Filtration of undesired smells and odours: Activated carbon filters to achieve residual oil content of 0.003 mg/m<sup>3</sup>
- Metal bowl
- Choice of condensate drains: Manual, fully automatic or fully automatic, solenoid-controlled

### Lubricators



- Proportional lubricators with precise dosing
- Prevent wear with heavily-stressed drives
- Oil can be topped up simply and easily, even under pressure
- Metal bowl

### Pressure regulators



- Provide a constant secondary pressure (3 pressure ranges)
- Good control characteristics with low hysteresis
- Remote control with the pneumatically-piloted version MS12-LR...-PO



### On/off valves



- Valves to pressurise and exhaust pneumatic systems
- Manually operated or solenoid-actuated
- Valves for gradual pressure build-up
- Drives can be brought slowly and safely to their initial positions
- Prevent sudden unpredictable movements

### Branching modules



- Air distributors with 4 connections
- Choice of top or bottom outlets
- Can be used as intermediate outlet for different qualities of air

Type	MS12			
Grid dimension [mm]	124			
Primary pressure [bar]	Max. 21			
Ambient temperature [°C]	-10 ... +60			
Housing material	Die-cast aluminium			
Pneumatic connections	G1	G1 ¼	G 1 ½	G2
Standard nominal flow rate [l/min] at pressure regulator LR	13,000	13,500	16,000	22,000

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