



## Quick availability: selected products from the MS series



★ Individual devices



★ Pre-configured combinations  
ex-stock



Individually configurable combinations



Ready-to-install complete solutions

### ★ Quick ordering

- Fast: ready for dispatch in 24 hours
- Superb: Festo quality at an attractive price
- Easy: just 4 clicks to place an order





The selected products from this range are generally in stock and ready for immediate delivery.

We offer components and solutions for tasks that go beyond the core functions in the electronic catalogue.





→ [www.festo.de/xdki](http://www.festo.de/xdki)

Or simply contact your Festo sales engineer, who will be pleased to help you.

## ★ Quick ordering – Combinations



	Size	Pneumatic connection	Standard nominal flow rate	Pressure regulation range	Part No.	Type <sup>1)</sup>
<b>Service unit combinations MSB</b>						
	4	G $\frac{1}{4}$	900 l/min	0.5 ... 12 bar	531117	MSB4-1/4-FRC5:J1M1
	6	G $\frac{1}{2}$	3700 l/min	0.5 ... 12 bar	530244	MSB6-1/2-FRC5:J1M1
	4	G $\frac{1}{4}$	1400 l/min	0.5 ... 10 bar	8025358	MSB4-1/4-C3:J1:D14-WP
	6	G $\frac{1}{2}$	4000 l/min	0.5 ... 10 bar	8025359	MSB6-1/2-C3:J1:D14-WP
	4	G $\frac{1}{4}$	1600 l/min	0.5 ... 10 bar	8025356	MSB4-1/4-C3:J1:F12-WP
	6	G $\frac{1}{2}$	4500 l/min	0.5 ... 10 bar	8025357	MSB6-1/2-C3:J1:F12-WP
	4	G $\frac{1}{4}$	1700 l/min	0.5 ... 12 bar	8025354	MSB4-1/4-C3:J1-WP
	6	G $\frac{1}{2}$	5100 l/min	0.5 ... 12 bar	8025355	MSB6-1/2-C3:J1-WP

## ★ Quick ordering – Individual devices

	Size	Pneumatic connection	Standard nominal flow rate	Actuation type	Silencer	Part No.	Type
<b>Soft-start valves MS-DL</b>							
	4	G $\frac{1}{4}$	2000 l/min	Pneumatic	–	529531	MS4-DL-1/4
	6	G $\frac{1}{2}$	6450 l/min	Pneumatic	–	529817	MS6-DL-1/2
<b>Soft-start/quick exhaust valves MS-SV</b>							
	6	G $\frac{1}{2}$	5700 l/min	Electric	■	8001469	MS6-SV-1/2-C-10V24-S
	9	G1	8300 ... 16,550 l/min	Electric	■	570737	MS9-SV-G-C-V24-S-VS
<b>On-off valves MS-EE, MS-EM1, MS-EM</b>							
	4	G $\frac{1}{4}$	2000 l/min	Electric	–	542578	MS4-EE-1/4-10V24
					■	542598	MS4-EE-1/4-10V24-S
	6	G $\frac{1}{2}$	7000 l/min	Electric	–	542582	MS6-EE-1/2-10V24
					■	542602	MS6-EE-1/2-10V24-S
9	G1	18,000 l/min	Electric	■	562940	MS9-EE-G-V24-S-VS	
	4	G $\frac{1}{4}$	2200 l/min	Manual	–	541258	MS4-EM1-1/4
					■	541259	MS4-EM1-1/4-S
	6	G $\frac{1}{2}$	8700 l/min	Manual	–	541267	MS6-EM1-1/2
					■	541268	MS6-EM1-1/2-S
	9	G1	18,000 l/min	Manual	■	562952	MS9-EM-G-S-VS




1) Type codes → Seite 4




## ★ Quick ordering – Individual devices



	Size	Pneumatic connection	Standard nominal flow rate	Pressure regulation range	Part No.	Type <sup>1)</sup>		
<b>Pressure regulators MS-LR</b>								
	4	G1/4	2100 l/min	0.3 ... 4 bar	529415	MS4-LR-1/4-D5-AS		
			1800 l/min	0.3 ... 7 bar	529417	MS4-LR-1/4-D6-AS		
			1700 l/min	0.5 ... 12 bar	529419	MS4-LR-1/4-D7-AS		
	6	G1/2	7500 l/min	0.3 ... 4 bar	529989	MS6-LR-1/2-D5-AS		
			6500 l/min	0.3 ... 7 bar	529991	MS6-LR-1/2-D6-AS		
			5500 l/min	0.5 ... 12 bar	529993	MS6-LR-1/2-D7-AS		
	9	Without connecting thread	28,000 l/min	0.5 ... 7 bar	564136	MS9-LR-G-D6-AG-BAR-AS		
			28,000 l/min	0.5 ... 12 bar	564138	MS9-LR-G-D7-AG-BAR-AS		
	<b>Filter regulators MS-LFR</b>							
	4	G1/4	1500 l/min	0.3 ... 7 bar	529144	MS4-LFR-1/4-D6-CRM-AS		
			1500 l/min		529146	MS4-LFR-1/4-D6-CRV-AS		
			1700 l/min		529148	MS4-LFR-1/4-D6-ERM-AS		
			1700 l/min		529150	MS4-LFR-1/4-D6-ERV-AS		
			1200 l/min	0.5 ... 12 bar	529152	MS4-LFR-1/4-D7-CRM-AS		
			1200 l/min		529154	MS4-LFR-1/4-D7-CRV-AS		
			1200 l/min		535720	MS4-LFR-1/4-D7-CUV-AS		
			1500 l/min		529156	MS4-LFR-1/4-D7-ERM-AS		
			1500 l/min		529158	MS4-LFR-1/4-D7-ERV-AS		
			1500 l/min		535724	MS4-LFR-1/4-D7-EUM-AS		
			1500 l/min	535722	MS4-LFR-1/4-D7-EUV-AS			
			6	G1/2	5600 l/min	0.3 ... 7 bar	529176	MS6-LFR-1/2-D6-CRM-AS
					5600 l/min		529178	MS6-LFR-1/2-D6-CRV-AS
					6200 l/min		529180	MS6-LFR-1/2-D6-ERM-AS
	6200 l/min	529182			MS6-LFR-1/2-D6-ERV-AS			
	4000 l/min	0.5 ... 12 bar			529184	MS6-LFR-1/2-D7-CRM-AS		
	4000 l/min			529186	MS6-LFR-1/2-D7-CRV-AS			
	4000 l/min			530338	MS6-LFR-1/2-D7-CUM-AS			
	4000 l/min			530340	MS6-LFR-1/2-D7-CUV-AS			
	4500 l/min			529188	MS6-LFR-1/2-D7-ERM-AS			
	4500 l/min	529190		MS6-LFR-1/2-D7-ERV-AS				
	4500 l/min	529192	MS6-LFR-1/2-D7-EUM-AS					
	4500 l/min	529194	MS6-LFR-1/2-D7-EUV-AS					
	9	Without connecting thread	20,000 l/min	0.5 ... 7 bar	564110	MS9-LFR-G-D6-EUM-AG-BAR-AS		
			20,000 l/min		564111	MS9-LFR-G-D6-EUV-AG-BAR-AS		
			20,000 l/min	0.5 ... 12 bar	564118	MS9-LFR-G-D7-EUM-AG-BAR-AS		
			20,000 l/min		564119	MS9-LFR-G-D7-EUV-AG-BAR-AS		

1) Type codes → Seite 4

## ★ Quick ordering – Accessories

	For size	Part No.	Type <sup>1)</sup>
<b>Mounting brackets for individual devices and combinations</b>			
	4	532184	MS4-WP
	6	532195	MS6-WP
	9	552947	MS9-WP
	4	526063	MS4-WPB
	6	526074	MS6-WPB
	9	552949	MS9-WPB
	4	526060	MS4-WPM-D
	6	526073	MS6-WPM-D
	9	552948	MS9-WPM

	For size	D1	Part No.	Type <sup>2)</sup>
<b>Mounting brackets for individual devices</b>				
	4	–	532185	MS4-WB
	6	–	532196	MS6-WB
	4	–	526064	MS4-WR
	6	–	526075	MS6-WR
<b>Connecting plate kit</b>				
	9	G3/4	552955	MS9-AGE
		G1	552956	MS9-AGF
		G1/4	552957	MS9-AGG
		G1/2	552958	MS9-AGH

	For size	Part No.	Type <sup>3)</sup>
<b>Module connector</b>			
	4	532798	MS4-MV
	6	532799	MS6-MV
	9	552950	MS9-MV
	4	532800	MS4-MVM
	6	532801	MS6-MVM

- 1) WP: basic design; WPB: with large wall gap; WPM: for hanging modules; WPM-D: for hanging modules with spacer  
2) WB: for centralised assembly, rear; WR: for mounting on the rotary knob  
3) MV: basic design; MVM: for installing modules with regulating knob pointing downwards

# Type codes

## Type codes – Service unit combinations

### Series

<b>MSB</b>	Service unit combination
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### Size

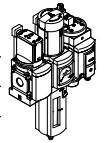
<b>4</b>	Grid dimension 40 mm
<b>6</b>	Grid dimension 62 mm

### Pneumatic connection

<b>1/4</b>	Thread ¼
<b>1/2</b>	Thread ½

### Service unit combination MSB

<b>FRC5;J1:M1</b>	Filter regulator MS...-LFR-D7-ERM-AS and lubricator MS...-LOE-R with plastic bowl guard
<b>C3</b>	On-off valve MS...-EM1
<b>J1</b>	Filter regulator MS...-LFR-D7-ERM-AS
<b>D14</b>	On-off valve MS...-EE-10V24P-AD7 with plug M12 and pressure sensor
<b>F12</b>	Branching module MS...-FRM-AD7 with pressure sensor



### Type of mounting

	None
<b>WP</b>	With mounting bracket

## Type codes – Individual devices

### Series

<b>MS</b>	Service unit
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### Size

<b>4</b>	Grid dimension 40 mm
<b>6</b>	Grid dimension 62 mm
<b>9</b>	Grid dimension 90 mm

### Service function

<b>DL</b>	Soft-start valve
<b>SV</b>	Soft-start/quick exhaust valve
<b>EE</b>	Electrically actuated on-off valve
<b>EM1</b>	Manually actuated on-off valve
<b>EM</b>	

### Pneumatic connection

<b>1/4</b>	Thread ¼
<b>1/2</b>	Thread ½
<b>G</b>	Module without connecting thread, without connecting plate

### Series

<b>MS</b>	Service unit
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### Size

<b>4</b>	Grid dimension 40 mm
<b>6</b>	Grid dimension 62 mm
<b>9</b>	Grid dimension 90 mm

### Service function

<b>LR</b>	Pressure regulator
<b>LFR</b>	Filter regulator

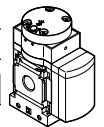
### Pneumatic connection

<b>1/4</b>	Thread ¼
<b>1/2</b>	Thread ½
<b>G</b>	Module without connecting thread, without connecting plate

### Soft-start, exhaust, on-off valve MS-DL, MS-SV, MS-EE, MS-EM1, MS-EM:

#### Performance Level

	None
<b>C</b>	Category 1, to EN ISO 13849-1



#### Supply voltage

	None
<b>10V24</b>	24 V DC, up to 10 bar
<b>V24</b>	24 V DC

#### Silencer

	None
<b>S</b>	With silencer

#### Pressure gauge/pressure gauge alternatives

	MS4, MS6: with cover plate
<b>VS</b>	MS9: with cover plate

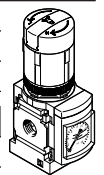
### Pressure, filter regulator MS-LR, MS-LFR:

#### Pressure regulation range

<b>D5</b>	0.3 ... 5 bar
<b>D6</b>	MS4, MS6: 0.3 ... 7 bar; MS9: 0.5 ... 7 bar
<b>D7</b>	MS4, MS6: 0.5 ... 12 bar; MS9: 0.5 ... 12 bar

#### Grade of filtration

	None
<b>C</b>	5 µm
<b>E</b>	40 µm



#### Bowl guard

	None
<b>R</b>	Plastic bowl guard
<b>U</b>	Integrated as metal bowl guard

#### Condensate drain

	None
<b>M</b>	Manual rotary
<b>V</b>	Fully automatic

#### Pressure gauge

	MS4, MS6: with integrated pressure gauge
<b>AG</b>	MS9: with integrated pressure gauge

#### Pressure gauge scale

	MS4, MS6: bar
<b>BAR</b>	MS9: bar

#### Security

<b>AS</b>	Standard rotary knob with detent, can be locked using accessories
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