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Туре		Size			Press [bar]	ure reg	ulation	range			Grade	of filtr	ation	
			Pneumatic connection in		0.05	0.05	0.1	0.3	0.1	0.5				
			housing	Connecting plate	0.7	2.5	4	7	12	16	0.01	1	5	40
Code				AG/AQ	D2	D4	D5	D6	D7	D8	Α	В	С	E
Service unit combi	nations													
MSB-FRC	Pa	4	G1/8, G1/4	G¹⁄8, G¹⁄4, G³⁄8	-	-	-		-	-	-	-	-	-
		6	G1/4, G3/8, G1/2	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-	-			-	-	-		
		9	_											
		12	_			-		-						
	nations (furth	er variant		sing the configurator → Intern	et: msb	4, msb	6 or m	sb9)	ı		ı	ı		
MSB		4	G ¹ / ₄	G½, G¼, G¾	-	-	-			-	-	-	-	-
		6	G½	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-	-			-	-	-		
		9	_											
		12	-											
Individual devices														
Filter regulators		4	G½, G¼	G½, G¼, G¾	-	-				-	-	-		
MS-LFR		6	G1/4, G3/8, G1/2	G¹/₄, G³/8, G¹/2, G³/₄	-	-					-	-	•	
		9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-					-	-		
		12	-	G1, G1¼, G1½, G2	-	-	-				-	-		
		,		1-11-11		1	ı							
Filters		4	G1/8, G1/4	G½, G¼, G¾	-	-	-	-	-	-	-	-		
MS-LF		6	G1/4, G3/8, G1/2	G¹/4, G³/8, G¹/2, G³/4	-	-	-	-	-	-	-	-	-	
	Ψ	9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-	-	-	-	-	-	-		
F. I .		12	-	G1, G1¼, G1½, G2	-	-	-	-	-	-	_	_	-	
Fine and micro filters		4	G ¹ / ₈ , G ¹ / ₄ G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G½, G¼, G¾	-	-	-	-	-	-			-	-
MS-LFM		6		G½, G¾, G½, G¾	-	-	-	-	-	-			-	-
INI2-FLINI		9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-	-	-	-	-	-	-	-	-
Activated carbon		12	- G ¹ / ₈ , G ¹ / ₄	G1, G1¼, G1½, G2 G½, G¼, G¾, G3/8	_	-	-	_	-	-	_	_	-	_
filters					_		-	_		_				
MS-LFX		6	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ G ³ / ₄ , G1	G½, G¾, G½, G¾ G½, G¾, G1, G1¼, G1½		-			-	_	-	-	-	-
MO-LI V		9	-	G1, G1 ¹ / ₄ , G1 ¹ / ₂ , G2	-	-	-	-	-	_	-	_	_	-
		12		01, 0174, 0172, 02		_			_					
Water separators		4	_											
MS-LWS		6	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G½, G3/8, G½, G3/4	_	_	_	I -	_			_		_
IIIJ-LVVJ		9	G ³ / ₄ , G ³ / ₈ , G ³ / ₂	G½, G¾, G1, G1¼, G1½	_	_	_	_	_	Ε-	_	_	-	_
		12			-					<u> </u>				
		12	-	G1, G11/4, G11/2, G2	-	-	_	-	-	-	-	-	-	-



Туре	Size	Bowl g	uard	Conde	nsate dr	ains		Pressu	re indic	ator			Securit	у	Option	ıs	→ Page/ Internet
		Plastic bowl with plastic bowl guard	Metal bowl	Manual rotary	Semi-automatic	Fully automatic	External, fully automatic, electrical	Cover plate (without pressure gauge)	Integrated MS pressure gauge	Adapter plate for EN pressure gauge G1/8	Adapter plate for EN pressure gauge G1/4	Pressure sensor	Rotary knob with detent, lockable via accessories	Rotary knob with integrated lock	Silencer	Flow direction from right to left	
Code		R	U	М	Н	٧	E	VS	AG	A8	A4	AD	AS	E11	S	Z	
Service unit comb	inations	<u>'</u>		<u>'</u>			*					·					<u>'</u>
MSB-FRC	4		_		_	•	-	-	-	-	_	_		_	_	•	msb4
	6				_		-	_		-	-	-		-	_		msb6
	9	_	l	1	1	1	1	1	l .	1	1	I	1	1	1	1	-
	12	_															_
Service unit comb	inations																
MSB	4	•	-	•	-	•	-	-	•	-	-	_	•	-	-	•	8
	6				_		-	_		_	_	_		_	_		8
	9	_															_
	12	_															_
	12																
Individual devices	•																
Filter regulators	4		-				T -								-		ms4-lfr
MS-LFR	6				_				_	_					_		ms6-lfr
MS LIK	9	_								_					_		ms9-lfr
	12	_			_					_		_			_		ms12-lfr
	12		-	-		-	-	-		_	-	_		-		-	111312 111
Filters	4						_	_	_	_	_	_	_	_	_		ms4-lf
MS-LF	6				_			_	_	_	_	_	_	_	_		ms6-lf
	9	_						_	_	_	_	_	_	_	_		ms9-lf
	12	_			_			_	_	_	_	_	_	_	_		ms12-lf
Fine and micro	4						-	_	_	_	_	_	_	_	_		ms4-lfm
filters	6						-	_	_	_	_	_	_	_	_		ms6-lfm
MS-LFM	9	_						_	_	_	_	_	_	_	_		ms9-lfm
mJ-LIW	12	_			-			_	_	_	_	_	_	_	_		ms12-lfm
Activated carbon	4			_	_	-	-	_	_	_	_	_	_	_	_		ms4-lfx
					_				_		_		_	_			ms6-lfx
filters MS-LFX	6	_		-		_	-	_	_	-	_	_	_	_	-		ms9-lfx
MJ-LI A	9	_		_	_				_	_			_		-		
	12	_		_	_	-	-	-	_	_	-	-	_	-			ms12-lfx
Water consents																	
Water separators		-	_	1		_										_	- machus
MS-LWS	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-		ms6-lws
	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ms9-lws
	12	-		-	-			-	-	-	-	-	-	-	-		ms12-lws



Individual devices Pressure 4 G¹/8, G¹/4 G¹/8, G¹/4, G³/8 - - ■ ■ - <th></th> <th>230 V AC, connection battern to EN 175301</th>		230 V AC, connection battern to EN 175301
Code AG/AQ D2 D4 D5 D6 D7 D8 V24 V Individual devices Pressure 4 G¹/8, G¹/4 G¹/8, G¹/4, G³/8 - - ■ ■ - </th <th>/24P V110</th> <th></th>	/24P V110	
Individual devices Pressure 4 G¹/8, G¹/4 G¹/8, G¹/4, G³/8 - - ■ ■ - <th></th> <th>U V23U</th>		U V23U
Pressure		
NH L		_
	_ _	_
		_
		_
Mi		_
MS-LRB 9 –		
12 -		
Precision 8 4 -		
M		_
regulators 9 –		
MS-LRP 12 -		
Precision 🙉 4 –		
pressure 6 G½ G¼, G¾, G½, G¾ ■ ■		-
regulators 9 -		
MS-LRPB 12 -		
Electrical 4 -		
pressure 6 G1/4, G3/8, G1/2 G1/4, G3/8, G1/2, G3/4 ■ ■ ■ -		-
regulators 9 –		
MS-LRE 12 -		
		-
		-
7 574, 61 572, 6174, 6172		-
12 - G1, G11/4, G11/2, G2		_
On-off valves, 4 G½, G¼ G½, G¼, G¾		
		_
		_
		_
	- =	
		-
		-
		-
		_
actuated 9 –		1
		_
	- =	
	- =	•
actuated 9 –		1
MS-DE 12 - G1, G1¼, G1½, G2 ■ I		



Туре	Size	Bowl guar	rd	Pressure i	indicator				Security		Options		→ Page/ Internet
		Plastic bowl with plastic bowl guard	Metal bowl	Cover plate (without pressure gauge)	Integrated MS pressure gauge	Adapter plate for EN pressure gauge G1/8	Adapter plate for EN pressure gauge G1/4	Pressure sensor	Rotary knob with detent, lockable via accessories	Rotary knob with integrated lock	Silencer	Flow direction from right to left	
Code		R	U	VS	AG	A8	A4	AD	AS	E11	S	Z	
Individual device													_
Pressure	4	-	-				-	-		-	-		ms4-lr
regulators	6	-	-			-	-	-		-	-		ms6-lr
MS-LR	9	-	-			-					-		ms9-lr
	12	-	-			-		-			-		ms12-lr
Pressure	4	-	-								-		ms4-lrb
regulators	6	-	-			-					-		ms6-lrb
MS-LRB	9	-											-
	12	-											-
Precision	4	-						_				_	-
pressure	6	-	_		_						_		ms6-lrp
regulators MS-LRP	9	-											-
	12	-											-
Precision	4	-		_		_		_	_			_	- mac lumb
pressure	6	-	-		-						_		ms6-lrpb
regulators MS-LRPB	9	-											_
Electrical		-											-
	6	-					_			1		_	ms6-lre
pressure regulators		-	-		-	-		-	-	-	-		- -
MS-LRE	9	-											-
	1	1		1			1	1	1	1			
Lubricators	4		-	-	-	-	-	-	-	-	-		ms4-loe
MS-LOE	6	-	•	-	-	-	-	-	-	-	-		ms6-loe
	9	-	•	-	-	-	-	-	-	-	-		ms9-loe
	12	-		-	_	_	_	_	_	_	_		ms12-loe
On-off valves,	4										_	_	ms4-em1
manually	6	_	_	-		_	-	-	_	_			ms6-em1
actuated	9	_	_			_		_	_	_		_	ms9-em
MS-EM(1)	12	_	_	-		_		_	_	_		_	ms12-em
On-off valves,	4			-				•			-	-	ms4-ee
electrically	6	_	_	-		_	-	-	_	_	_		ms6-ee
actuated	9	_	_	-		_		-	_	_	-	_	ms9-ee
MS-EE	12	-	_	-		_		_	_	-	-		ms12-ee
Soft-start valves,	4	_	_					-	_	_	_		ms4-dl
pneumatically	6	_	_			_		_	_	_	_		ms6-dl
actuated	9	-							1	1			- mso at
MS-DL	12	-	_			-		_	_	_	_		ms12-dl
Soft-start valves,	4	_	_	-		-		-	_	_	_		ms4-de
electrically	6	_	_				-	-	_	-	_		ms6-de
actuated	9	_							1	<u> </u>			-
MS-DE	12	_	_			_		_	_	_	_		ms12-de
			1		_		_		1		1		512 40



AG AQ C D E V24 V24P V110 V23 Individual devices	Туре		Size			Performa	ınœ Level		Supply	voltage		
Individual devices				connection in								
A					AG/AQ	C	U	Ł	V24	V24P	V110	V230
exhaust valves MS-SV-C G1/2 G1/4, G3/6, G3/4			1.									
MS-SV-C 9 G¾, G1 G½, G¾, G1, G1¼, G1½ ■ <					C1/ C2/ C1/ C2/	_	I	I		_	_	_
12												
Soft start and exhaust valves Soft start and exhaust valve	M2-2A-C	*			6 1/2, 6 3/4, 6 1, 6 1 1/4, 6 1 1/2		-	-				
exhaust valves MS-SV-D 0 0 0 0 0 0 0 0 0 0 0 0 0	Coff start and	-										
MS-SV-D Soft start and exhaust valves MS-SV-E 4					C1/c3/c C1/c C3/c					_		1
12					0 74, 0 78, 0 72, 0 74	_		_	-	-	_	_
Soft start and exhaust valves Soft start and exhaust valve	1VI3-3V-D											
exhaust valves 6 G1/2 G1/4, G3/8, G1/2, G3/4 -	Soft start and											
Membrane air dryers MS-LDM1 Branching modules MS-FRM 4 G1/8, G1/4 G1/8, G1/4, G3/8					G1/4 G3/8 G1/2 G3/4	_	_			_	_	_
Membrane air dryers 4 G1/8, G1/4 G1/8, G1/4, G3/8 - - - - - - - - -					0 / 7, 0 / 0, 0 / 2, 0 / 4			_	_			1
G G1/4, G3/8, G1/2 G1/4, G3/8, G1/2, G3/4												
G G1/4, G3/8, G1/2 G1/4, G3/8, G1/2, G3/4												
Second			4	G½, G¼		-	_	_	-	-	_	_
Branching modules 4 G1/8, G1/4 G1/8, G1/4, G3/8 - - - - - - - - -	1 1			G1/4, G3/8, G1/2	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-	-	-	-	-	_
Branching modules MS-FRM 4 G1/8, G1/4 G1/8, G3/8	MS-LDM1			_								
MS-FRM G G G G G G G G G		$\cdot \cdot$	12	-								
MS-FRM G G G G G G G G G	Pranching		4	C1/a C1/a	C16 C14 C34							
MS-FRM 9												
12												
A G½ - - - - - - - - -	MIS-I KIVI											
6 G1/2 - - - - - - - - -	Distributor	600			1 1							
MS-FRM-FRZ 9 - 12 - Flow sensors SFAM 4 - 6 G1/2 G1/2 9 - G1, G11/2												
Flow sensors SFAM 4 - 6 G1/2 G1/2 9 - G1, G1/2		Y										1
Flow sensors SFAM 4 - 6 G1/2 G1/2 9 - G1, G1/2												
SFAM 6 G1/2 G1/2			1									
SFAM 6 G1/2 G1/2	Flow sensors		4	-								
9 - G1, G1½	SFAM				G1/2	_	_	_	-	_	_	_
		3				-	-	-	-	-	-	-
			12	_		1	1	1		1	1	1



Туре	Size	Bowl guar	rd	Pressure	indicator				Switch out	put	Options		→ Page/ Internet
		Plastic bowl with plastic bowl guard	Metal bowl	Cover plate (without pressure gauge)	Integrated MS pressure gauge	Adapter plate for EN pressure gauge G1/8	Adapter plate for EN pressure gauge G1/4	Pressure sensor	2x PNP or NPN, 1 analogue output 4 20 mA	2x PNP or NPN, 1 analogue output 0 10 V	Silencer	Flow direction from right to left	
Code		R	U	VS	AG	A8	A4	AD	2SA	2SV	S	Z/R	
Individual device	es												
Soft start and	4	-											-
exhaust valves	6	-	-			-			-	-			ms6-sv
MS-SV-C	9	-	-	-	-	-		-	-	-			ms9-sv
	12	-		-	•	1	1		'	1	•		-
Soft start and	4	-											-
exhaust valves	6	-	-			-			-	-			ms6-sv
MS-SV-D	9	-		-	•	1	1		'	1	•		-
	12	-											-
Soft start and	4	-											-
exhaust valves	6	-	-			-			-	-			ms6-sv
MS-SV-E	9	-											-
	12	-											-
				_									
Membrane air	4	-		_	-	-	-	-	-	-	-		ms4-ldm1
dryers	6	-		-	-	-	-	-	-	-	-		ms6-ldm1
MS-LDM1	9	-											-
	12	-											-
				1		T	T	1	1		T	1	1
Branching	4	-	-						-	-	-		ms4-frm
modules	6	-	-	-	•	-		-	-	-	-		ms6-frm
MS-FRM	9	-	-	•	-	-			-	-	-		ms9-frm
	12	-	-		-	-	-	-	-	-	-	-	ms12-frm
Distributor	4	-	-	-	-	-	-	-	-	-	-		ms4-frm
blocks	6	-	-	-	-	-	-	-	-	-	-		ms6-frm
MS-FRM-FRZ	9	-											-
	12	-											-
Fl	1,												1
Flow sensors	4	_						1	T _	_			- -f (2
SFAM	6	-	_	-	-	-	-	_	I	-	_		sfam-62
	9	-	-	-	-	-	-	-			-		sfam-90
	12	-											-

Service unit combinations MSB4/MSB6, MS series Product range overview

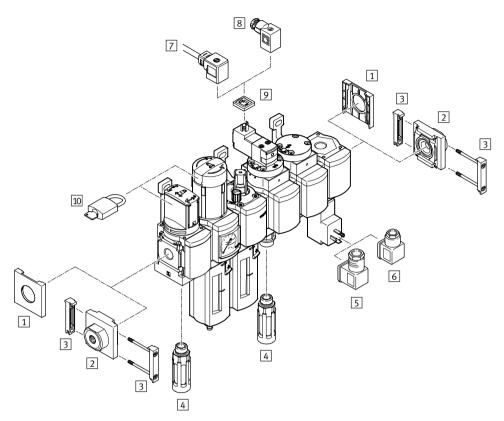


Combinations		Combination 1	Combination 2	Combination 3
Comprising:				
Manually operated on-off valve	EM1	•	•	-
Filter regulator with pressure gauge, lockable	LFR	•	•	•
Lubricator	LOE	•	-	-
Solenoid actuated on-off valve	EE	-	-	•
Solenoid actuated on-off valve, with pressure sensor	EE	-	-	-
Pneumatically actuated soft-start valve	DL	-	-	•
Branching module with pressure switch	FRM	•	-	-
Branching module with pressure sensor	FRM	-	-	-
Mounting bracket	WP	•	•	•
Type codes → Page		10	10	10
Technical data → Page		11	14	17

Combinations		Combination 4		Combination 5	Combination 6	Combination 7
Comprising:						
Manually operated on-off valve	EM1	•	•	•	•	•
Filter regulator with pressure gauge, lockable	LFR	•	•			
Lubricator	LOE	-	-	-	•	-
Solenoid actuated on-off valve	EE	-	-	•	-	-
Solenoid actuated on-off valve, with pressure sensor	EE	-	-	-	-	•
Pneumatically actuated soft-start valve	DL	-	-	•	-	-
Branching module with pressure switch	FRM	•	-	•	-	-
Branching module with pressure sensor	FRM	-	•	-	-	-
Mounting bracket	WP	•	•	•	•	•
Type codes → Page		10	10	10	10	10
Technical data → Page		20	20	24	27	30

Service unit combinations MSB4/MSB6, MS series Peripherals overview





- Note

The choice of accessories depends on the selected service unit combination.

Range of accessories

→ Peripherals pages of the individual devices

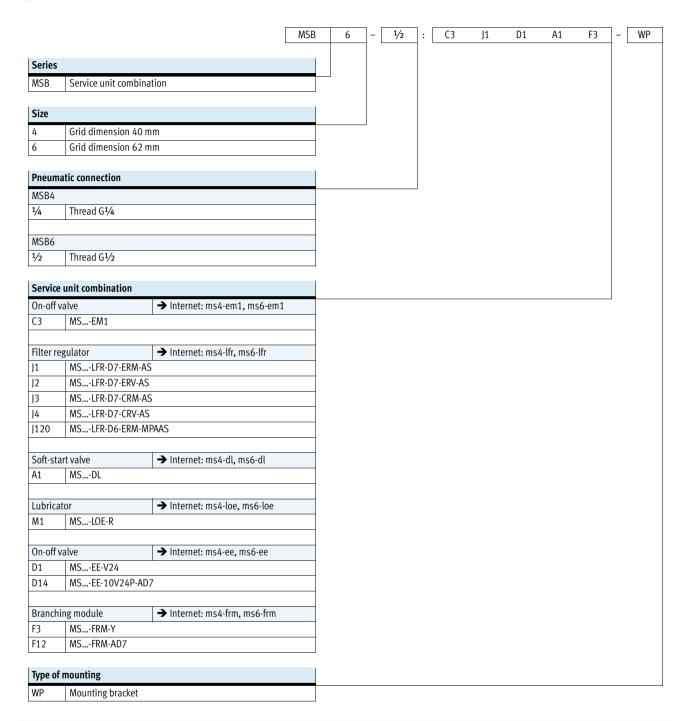
Mour	nting attachments and accessories	→ Page/Internet
1	Cover cap	ms4-end,
	MS4/6-END	ms6-end
2	Connecting plate-SET	ms4-ag,
	MS4/6-AG	ms6-ag
3	Module connector	ms4-mv,
	MS4/6-MV	ms6-mv
4	Silencer	33
	U	
5	Angled socket	33
	PEV-1/4-WD-LED	
6	Plug socket	33
	MSSD-C-4P	
7	Plug socket with cable	33
	KMEB	
8	Plug socket	33
	MSSD-EB	
9	Illuminating seal	33
	MEB-LD	
10	Padlock	33
	LRVS-D	
-	Mounting bracket	ms4-wp,
	MS4/6-WP/WPB/WPE/WPM	ms6-wp

- New MSB4/6-...J120

Service unit combinations MSB4/MSB6, MS series

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Type codes



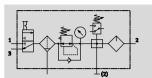
Further variants can be ordered using the modular system → www.festo.com

- Connection size
- Service unit equipment
- Connecting plates
- Alternative flow direction



Technical data - Combination 1

Function
With condensate drain
manual rotary



- On-off valve MS...-EM1 manually actuated
- Filter regulator MS...-LFR-D7 with pressure gauge
- Branching module MS...-FRM-Y with pressure switch without display
- Lubricator MS...-LOE-R
- Mounting bracket MS...-WP



Flow rate 950 l/min



Temperature range −10 ... +60 °C



Pressure regulation range

1 ... 12 bar



www.festo.com



- For filtered and lubricated compressed air
- Supply pressure can be opened and closed
- Output pressure is infinitely adjustable within the pressure regulation range
- The unit is vented when switched
 off
- Electrical pressure monitoring with adjustable switching pressure
- Removal of filtered and unlubricated compressed air at the branching module connections

General technical data	
Size	MSB4
Pneumatic connection 1, 2, 3	G1/4
Regulating function	Output pressure constant, with primary pressure compensation, with return flow function, with secondary venting
Type of mounting	Via accessories
Assembly position	Vertical ±5°
Grade of filtration [µm]	40
Air purity class at the output	Compressed air in accordance with ISO 8573-1:2010 [7:4:4] (grade of filtration 40 µm)
Bowl guard	Plastic bowl guard
Condensate drain	Manual rotary
Actuator lock	Rotary knob with detent, lockable with accessories
Pressure regulation range [bar]	1 12
Pressure indicator	With pressure gauge

 $[\]parallel$ Note: This product conforms to ISO 1179-1 and to ISO 228-1

Standard nominal flow rate qr	nN [l/min]	
Size		MSB4
Grade of filtration	40 µm	950

Service unit combinations MSB4/MSB6, MS series Technical data – Combination 1



Operating and environmen	tal condition	s
Condensate drain		Manual rotary
Size		MSB4
Operating pressure	[bar]	1.5 14
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:4:4]
		Inert gases
Note on operating/pilot med	dium	Operation with lubricated medium possible (in which case lubricated operation will always be required)
Ambient temperature	[°C]	-10 +60
Temperature of medium	[°C]	-10 +60
Storage temperature	[°C]	-10 +60
Corrosion resistance	CRC ¹⁾	2

Corrosion resistance class CRC 2 to Festo standard FN 940070 Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Weights [g]	
Size	MSB4
Service unit combination	1,700
Mounting bracket	40



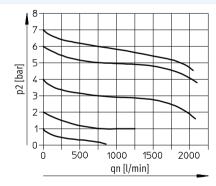
Note

Materials → Technical data of the individual devices

Standard flow rate qn as a function of output pressure p2

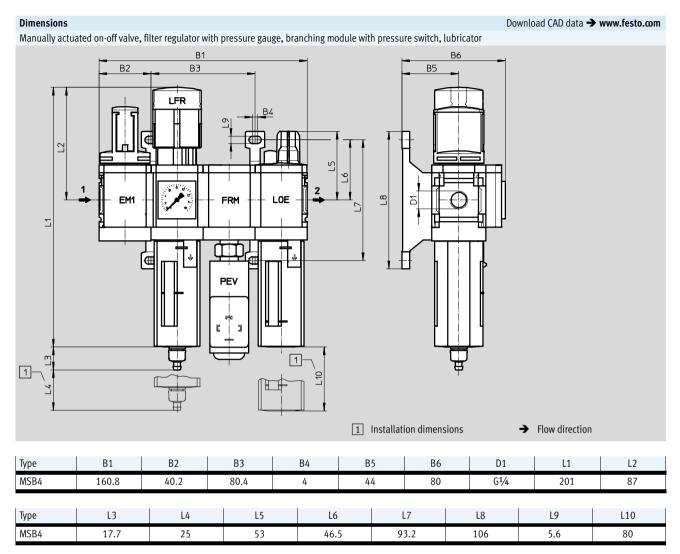
Pressure regulation range 1 ... 12 bar Grade of filtration 40 μm MSB4-1/4

Primary pressure p1 = 10 bar



Service unit combinations MSB4/MSB6, MS series Technical data – Combination 1





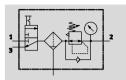
 $[\]parallel$ Note: This product conforms to ISO 1179-1 and to ISO 228-1

Ordering data						
Size	Condensate drain	Connection	Grade of filtration 40 μm			
			Part No. Type			
Pressure regulation range 1 12 bar, pressure gauge with outer scale in bar and inner scale in psi						
MSB4	manual rotary	G1/4	542295 MSB4- ¹ / ₄ :C3J1F3M1-WP			

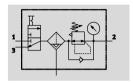
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Technical data – Combination 2

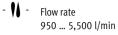
Function With condensate drain manual rotary

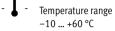


With condensate drain fully automatic



- On-off valve MS...-EM1 manually actuated
- Filter regulator MS...-LFR with pressure gauge
- Mounting bracket MS...-WP





Pressure regulation range
0.5 ... 12 bar

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- For filtered and unlubricated compressed air
- Supply pressure can be opened and closed
- Output pressure is infinitely adjustable within the pressure regulation range

General technical data				
Size	MSB4	MSB6		
Pneumatic connection 1, 2, 3	G1/4	G ¹ / ₂		
Regulating function	Output pressure constant, with primary pressure compensati	on, with return flow function, with secondary venting		
Type of mounting	Via accessories			
Assembly position	Vertical ±5°			
Grade of filtration [µm]	5			
	40			
Air purity class at the output	Compressed air in accordance with ISO 8573-1:2010 [6:4:4] (grade of filtration 5 µm)			
	Compressed air in accordance with ISO 8573-1:2010 [7:4:4] (grade of filtration 40 µm)			
Bowl guard	Plastic bowl guard			
Condensate drain	Manual rotary			
	Fully automatic			
Actuator lock	Rotary knob with detent, lockable with accessories			
Pressure regulation range [bar]	0.5 7			
	0.5 12			
Pressure indicator	With pressure gauge			

[♦] Note: This product conforms to ISO 1179-1 and to ISO 228-1

Standard nominal flow rate	qnN [l/min]				
Condensate drain		Manual rotary F		Fully automatic	
Size	MSB4 M		MSB6	MSB4	MSB6
Pressure regulation range 0.5 7 bar					
Grade of filtration	40 μm	1,150	5,500	-	-
Pressure regulation range 0.	5 12 bar				
Grade of filtration	5 μm	950	4,800	950	4,800
	40 μm	1,700	5,100	1,000	5,100

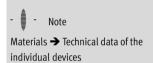
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Technical data - Combination 2

c				E 11			
Condensate drain		Manual rotary		Fully automatic			
Size		MSB4	MSB6 MSB4 MSB6		MSB6		
Operating pressure	[bar]	0.8 14	0.8 18	2 12	2 12		
Operating medium		Compressed air in ac	Compressed air in accordance with ISO 8573-1:2010 [7:4:4]				
		Inert gases					
Note on operating/pilot me	dium	Operation with lubric	Operation with lubricated medium possible (in which case lubricated operation will always be required)				
Ambient temperature	[°C]	-10 +60		+5 +60	+5 +60		
Temperature of medium	[°C]	-10 +60		+5 +60			
Storage temperature	[°C]	-10 +60		-10 +60			
Corrosion resistance	CRC ¹⁾	2		·			

¹⁾ Corrosion resistance class CRC 2 to Festo standard FN 940070 Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

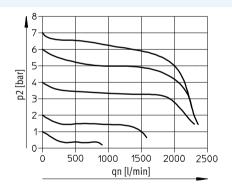
Weights [g]		
Size	MSB4	MSB6
Service unit combination	1,300	1,100
Mounting bracket	40	76



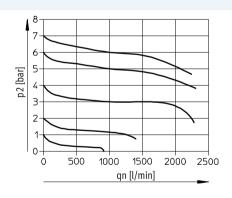
Standard flow rate qn as a function of output pressure p2

Pressure regulation range 0.5 ... 12 bar $\,$ Grade of filtration 5 μm MSB4-1/4

Primary pressure p1 = 10 bar

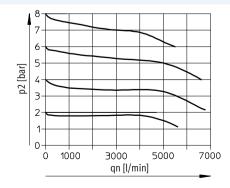


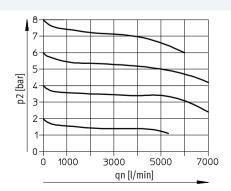




MSB6-1/2

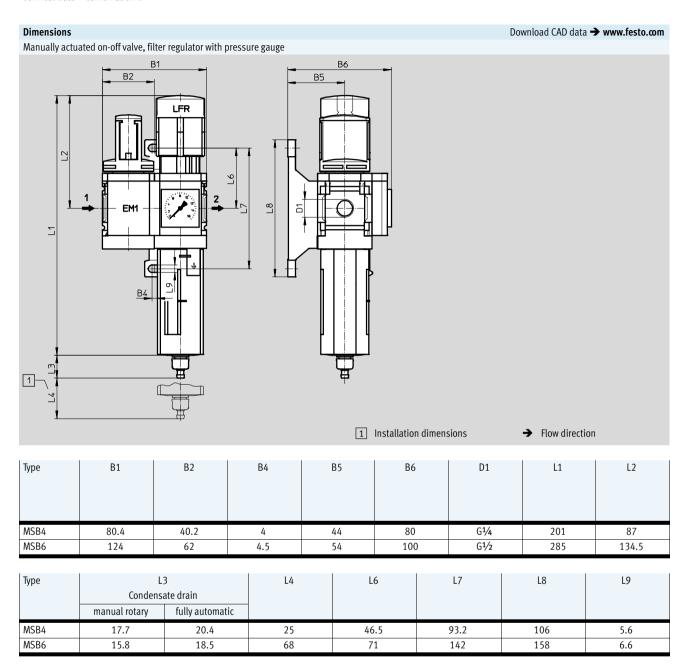
Primary pressure p1 = 10 bar





Service unit combinations MSB4/MSB6, MS series Technical data – Combination 2





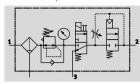
Note: This product conforms to ISO 1179-1 and to ISO 228-1

Ordering dat	a							
Size	Condensate drain	Connection	Grade of filtration 5 µm		Grade of fi	ltration 40 μm		
			Part No.	Туре		Part No.	Туре	
Pressure regi	Pressure regulation range 0.5 7 bar, pressure gauge with outer scale in MPa							
MSB4	manual rotary	G1/4	-	-		8042668	MSB4-1/4:C3:J120-WP	ю.
MSB6	manual rotary	G ¹ / ₂	-	-		8042672	MSB6-1/2:C3:J120-WP	.0-
Pressure regi	ılation range 0.5 12 b	ar, pressure ga	uge with out	er scale in bar and inner scale in psi				
MSB4	manual rotary	G1/4	542304	MSB4-1/4:C3J3-WP		8025354	MSB4-1/4:C3:J1-WP	
	fully automatic	G1/4	542310	MSB4-1/4:C3J4-WP		542298	MSB4-1/4:C3J2-WP	
MSB6	manual rotary	G ¹ / ₂	542280	MSB6-1/2:C3J3-WP		8025355	MSB6-1/2:C3:J1-WP	
	fully automatic	G ¹ / ₂	542286	MSB6-1/2:C3J4-WP		542274	MSB6-1/2:C3J2-WP	

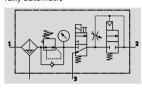


Technical data – Combination 3

Function
With condensate drain
manual rotary



With condensate drain fully automatic



- Filter regulator MS...-LFR-D7 with pressure gauge
- On-off valve MS...-EE-V24 solenoid actuated
- Soft-start valve MS...-DL pneumatically actuated
- Mounting bracket MS...-WP



Flow rate 750 ... 3,100 l/min



Temperature range −10 ... +60 °C



Pressure regulation range

4 ... 12 bar



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- For filtered and unlubricated compressed air
- Output pressure is infinitely adjustable within the pressure regulation range
- Gradual pressure build-up prevents sudden, unpredictable movements
- When supply pressure is closed, quick venting ensures rapid pressure reduction

General technical data				
Size	MSB4	MSB6		
Pneumatic connection 1, 2, 3	G ¹ / ₄ G ¹ / ₂			
Regulating function	Output pressure constant, with primary pressure compensat	ion, with return flow function, with secondary venting		
Type of mounting	Via accessories			
Assembly position	Vertical ±5°			
Grade of filtration [µm]	40			
Air purity class at the output	Compressed air in accordance with ISO 8573-1:2010 [7:4:-] (grade of filtration 40 µm)			
Bowl guard	Plastic bowl guard			
Condensate drain	Manual rotary			
	-	Fully automatic		
Actuator lock	Rotary knob with detent, lockable with accessories			
Pressure regulation range [bar]	4 12			
Pressure indicator	With pressure gauge			
Coil characteristics	24 V DC: 1.5 W	24 V DC: 1.5 W		

 $[\]ensuremath{\|}\cdot\ensuremath{|}$ Note: This product conforms to ISO 1179-1 and to ISO 228-1

Standard nominal flow rate qnN [l/min]					
Size	MSB4	MSB6			
Grade of filtration 40 µm	750	3,100			



Technical data - Combination 3

Operating and environmen	ntal condition	S		
Condensate drain		Manual rotary		Fully automatic
Size		MSB4	MSB4 MSB6 MSB6	
Operating pressure	[bar]	4.5 14	4.5 18	4.5 12
Operating medium		Compressed air in accordance	e with ISO 8573-1:2010	Compressed air in accordance with ISO 8573-1:2010
		[-:4:-]		[7:4:-]
		Inert gases		
Note on operating/pilot me	dium	Operation with lubricated medium possible (in which case lubricated operation will always be required)		
Ambient temperature	[°C]	-10 +60		+5 +60
Temperature of medium	[°C]	-10 +60		+5 +60
Storage temperature	[°C]	-10 +60		-10 +60
Corrosion resistance	CRC ¹⁾	2		

¹⁾ Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Weights [g]					
Size	MSB4	MSB6			
Service unit combination	1,600	2,400			
Mounting bracket	40	76			



Note

Materials → Technical data of the individual devices

Standard flow rate qn as a function of output pressure p2

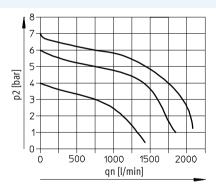
Pressure regulation range

Grade of filtration 40 µm

4 ... 12 bar

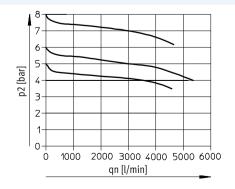
MSB4-1/4

Primary pressure p1 = 10 bar



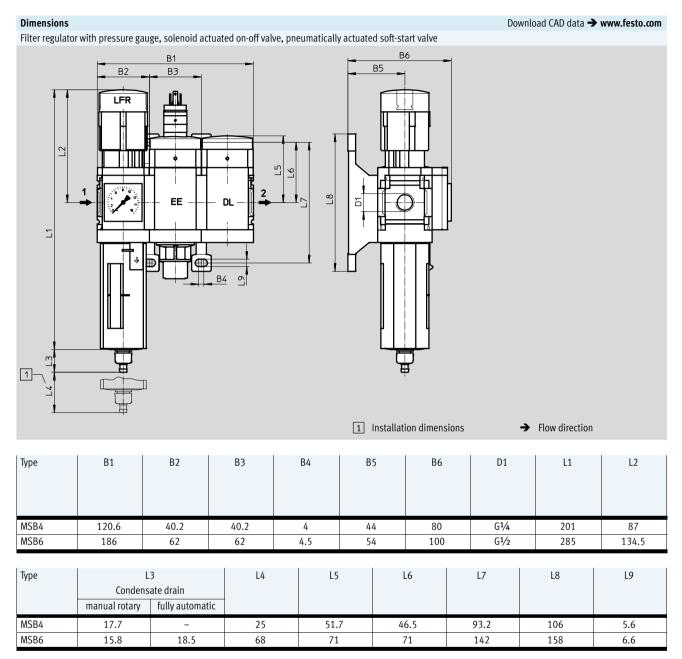
MSB6-1/2

Primary pressure p1 = 10 bar





Technical data – Combination 3



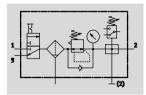
 $[\]parallel$ Note: This product conforms to ISO 1179-1 and to ISO 228-1

Ordering data	Ordering data						
Size	Condensate drain	Connection	Grade of filtration 40 µm				
			Part No. Type				
Pressure regul	Pressure regulation range 4 12 bar, pressure gauge with outer scale in bar and inner scale in psi						
MSB4	manual rotary	G1/4	531101 MSB4-1/4:J1D1A1-WP				
MSB6	manual rotary	G ¹ / ₂	530222 MSB6-½:J1D1A1-WP				
	fully automatic	G½	530224 MSB6-½:J2D1A1-WP				

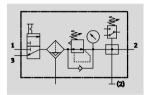
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Technical data - Combination 4

Function
With condensate drain,
manual rotary



With condensate drain, fully automatic



- Manually operated on-off valve MS...-EM1
- Filter regulator MS...-LFR with pressure gauge



Flow rate 1,300 ... 5,300 l/min



Temperature range −10 ... +60 °C



Pressure regulation range 0.5 ... 12 bar



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- For filtered and unlubricated compressed air supply
- Supply pressure can be opened and closed
- Output pressure is infinitely adjustable within the pressure regulation range
- Electrical pressure monitoring with adjustable switching pressure

- Branching module MS...-FRM-Y with pressure switch or MS...-FRM-AD7 with pressure sensor for displaying output pressure via operational status indicator
- Mounting bracket MS...-WP

General technical data								
Size	MSB4		MSB6					
Branching module with	Pressure switch	Pressure sensor	Pressure switch	Pressure sensor				
Pneumatic connection 1, 2, 3	G1/4	G ¹ / ₄ G ¹ / ₂						
Regulator function	Output pressure constant, wit	Output pressure constant, with primary pressure compensation, with return flow, with secondary venting						
Type of mounting	Via accessories							
Mounting position	Vertical ±5°	Vertical ±5°						
Grade of filtration [µm]	40	40						
Air purity class at the output	Compressed air according to I	SO 8573-1:2010 [7:4:4] (grade	e of filtration 40 μm)					
Bowl guard	Plastic bowl guard							
Condensate drain	Manual rotary	Manual rotary	Manual rotary	Manual rotary				
	Fully automatic	-	Fully automatic	-				
Actuation security	Rotary knob with detent, can	be locked using accessories						
Pressure regulation range [bar]	-	0.5 7	-	0.5 7				
	0.5 12	0.5 10	0.5 12	0.5 10				
Pressure indication	Via pressure gauge for displaying output pressure							

 $[\]ensuremath{|\hspace{-.08em}|}$ \cdot Note: This product conforms to ISO 1179-1 and to ISO 228-1

Standard nominal flow r	rate qnN [l/min]						
Size		MSB4	MSB4				
Branching module with		Pressure switch Pressure sensor		Pressure switch	Pressure sensor		
Pressure regulation range 0.5 7 bar							
Grade of filtration	40 μm	-	1,750	-	5,300		
Pressure regulation rang	ge 0.5 10 bar						
Grade of filtration	40 μm	-	1,600	-	4,500		
Pressure regulation rang	ge 0.5 12 bar						
Grade of filtration	40 μm	1,300	-	4,500	-		

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Technical data - Combination 4

Operating and environment	al condition	S								
Condensate drain		Manual rotary	Manual rotary			Fully automatic	Fully automatic			
Size		MSB4		MSB6		MSB4	MSB6			
Branching module with		Pressure	Pressure	Pressure	Pressure	Pressure switch	Pressure switch			
		switch	sensor	switch	sensor					
Operating pressure	[bar]	0.8 14		0.8 18		2 12	2 12			
Operating medium		Compressed air according to ISO 8573-1:2010 [7:4:4]								
		Inert gases								
Note on operating/		Lubricated op	eration possible	e (in which case	lubricated op	eration will always be requir	red)			
pilot medium										
Ambient temperature	[°C]	-10 +60	0 +50	-10 +60	0 +50	+5 +60				
Temperature of medium	[°C]	-10 +60	0 +50	-10 +60	0 +50	+5 +60				
Storage temperature	[°C]	-10 +60	•	•	•	-10 +60				
Corrosion resistance class	CRC ¹⁾	2				<u> </u>				

¹⁾ Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Weight [g]		
Size	MSB4	MSB6
Service unit combination	1,500	2,000
Mounting bracket	40	76



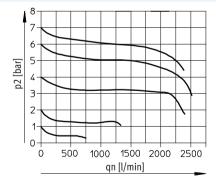
Note

Materials → Technical data of the individual devices

Standard flow rate qn as a function of output pressure p2

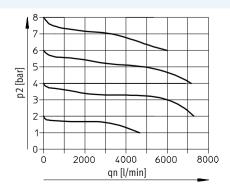
Pressure regulation range 0.5 ... 12 bar $\,$ Grade of filtration 40 μm MSB4-1/4

Primary pressure p1 = 10 bar



MSB6-1/2

Primary pressure p1 = 10 bar

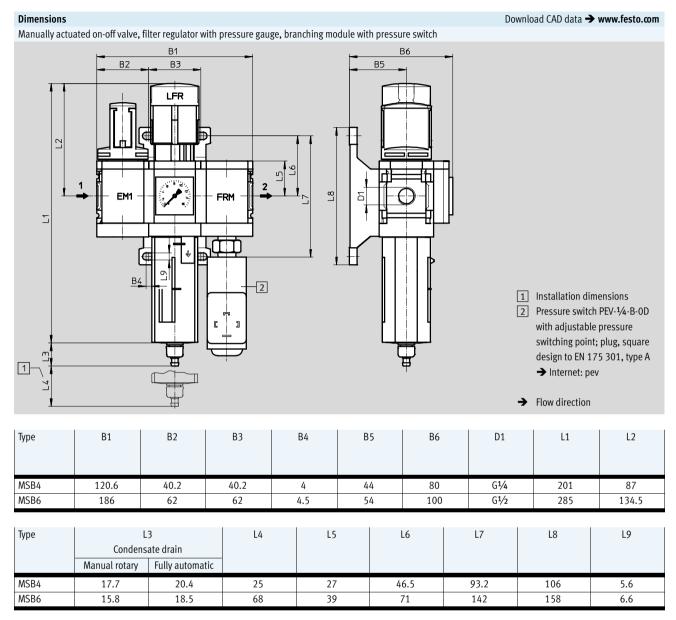


- New MSB4/6-...J120

Service unit combinations MSB4/MSB6, MS series

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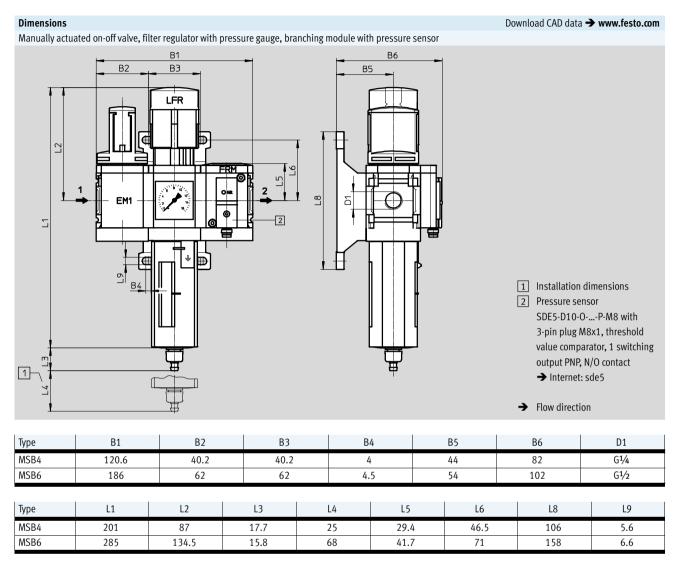
Technical data - Combination 4



 $[\]parallel \cdot \parallel$ Note: This product conforms to ISO 1179-1 and to ISO 228-1

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Technical data - Combination 4



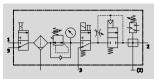
 $[\]cdot\, |\!|\!| \, \cdot \,$ Note: This product conforms to ISO 1179-1 and to ISO 228-1

Ordering	data									
Size	Condensate drain	Connection	Grade of f	Grade of filtration 40 μm						
			Branching	module with pressure switch		Branching	module with pressure sensor			
			Part No.	Туре		Part No.	Туре			
Pressure i	regulation range 0.5 7 b	ar, pressure gau	ge with oute	er scale in MPa						
MSB4	Manual rotary	G1/4	-	-		8042667	MSB4-1/4:C3:J120:F12-WP	.0.		
MSB6	Manual rotary	G ¹ / ₂	-	-		8042671	MSB6-1/2:C3:J120:F12-WP	.0.		
	1									
Pressure i	regulation range 0.5 10	bar, pressure ga	uge with ou	ter scale in bar and inner scale in psi						
MSB4	Manual rotary	G1/4	-	-		8025356	MSB4-1/4:C3:J1:F12-WP			
MSB6	Manual rotary	G ¹ / ₂	-	-		8025357	MSB6-1/2:C3:J1:F12-WP			
Pressure i	regulation range 0.5 12	bar, pressure ga	uge with ou	ter scale in bar and inner scale in psi						
MSB4	Manual rotary	G1/4	542294	MSB4-1/4:C3J1F3-WP		-	-			
	Fully automatic	G1/4	542300	MSB4-1/4:C3J2F3-WP		_	-			
MSB6	Manual rotary	G1/2	542270	MSB6-1/2:C3J1F3-WP		_	-			
	Fully automatic	G1/2	542276	MSB6-1/2:C3J2F3-WP		-	-			

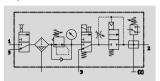


Technical data - Combination 5

Function With condensate drain manual rotary



With condensate drain fully automatic



- On-off valve MS...-EM1 manually actuated
- Filter regulator MS...-LFR-D7 with pressure gauge
- On-off valve MS...-EE-V24 solenoid actuated



Flow rate 750 ... 3,100 l/min



Temperature range −10 ... +60 °C



Pressure regulation range

4 ... 12 bar



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• Soft-start valve MS...-DL

pneumatically actuated

• Mounting bracket MS...-WP

With pressure gauge

24 V DC: 1.5 W

• Branching module MS...-FRM-Y

with pressure switch without dis-



- For filtered and unlubricated compressed air
- Supply pressure can be opened and closed
- Output pressure is infinitely adjustable within the pressure regulation
 range.
- Gradual pressure build-up prevents sudden, unpredictable movements

24 V DC: 1.5 W

- To shut-off and vent the following device or the system
- Electrical pressure monitoring with adjustable switching pressure

General technical data					
Size	MSB4	MSB6			
Pneumatic connection 1, 2, 3	G ¹ / ₄	G½			
Regulating function	Output pressure constant, with primary pressure compensat	ion, with return flow function, with secondary venting			
Type of mounting	Via accessories				
Assembly position	Vertical ±5°				
Grade of filtration [µm]	-	5			
	40				
Air purity class at the output	Compressed air in accordance with ISO 8573-1:2010 [6:4:4] (grade of filtration 5 μm)			
	Compressed air in accordance with ISO 8573-1:2010 [7:4:4] (grade of filtration 40 μm)			
Bowl guard	Plastic bowl guard				
Condensate drain	Manual rotary				
	Fully automatic				
Actuator lock	Rotary knob with detent, lockable with accessories				
Pressure regulation range [bar]	4 12				

Note: This product conforms to ISO 1179-1 and to ISO 228-1

Pressure indicator

Coil characteristics

Standard nominal flow rate qnN [l/min]					
Size		MSB4	MSB6		
Grade of filtration	5 μm	-	3,000		
	40 μm	750	3,100		



Technical data – Combination 5

Operating and environmer		-	1 = 11				
Condensate drain		Manual rotary		Fully automatic			
Size		MSB4	MSB6	MSB4	MSB6		
Operating pressure	[bar]	4.5 14	4.5 18	4.5 12	4.5 12		
Operating medium		Compressed air in a	accordance with ISO 8573-1:20	10 [7:4:4]			
		Inert gases					
Note on operating/pilot me	dium	Operation with lubr	icated medium possible (in whi	ich case lubricated operation w	ubricated operation will always be required)		
Ambient temperature	[°C]	-10 +60		+5 +60	+5 +60		
Temperature of medium	[°C]	-10 +60		+5 +60	+5 +60		
Storage temperature	[°C]	-10 +60		-10 +60	-10 +60		
Corrosion resistance	CRC ¹⁾	2					

Corrosion resistance class CRC 2 to Festo standard FN 940070
 Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Weights [g]						
Size	MSB4	MSB6				
Service unit combination	2,200	3,500				
Mounting bracket	40	76				



Standard flow rate qn as a function of output pressure p2

Pressure regulation range

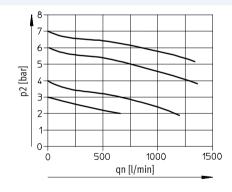
Grade of filtration 5 µm

4 ... 12 bar

MSB4-1/4

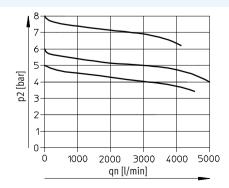
Primary pressure p1 = 10 bar

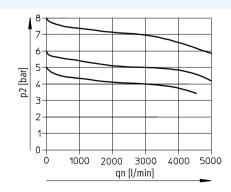
Grade of filtration 40 µm



MSB6-1/2

Primary pressure p1 = 10 bar







Technical data – Combination 5

Download CAD data → www.festo.com Dimensions Manually actuated on-off valve, filter regulator with pressure gauge, solenoid actuated on-off valve, pneumatically actuated soft-start valve, branching module with pressure switch В6 В2 ВЗ В2 B5 LFR 7 L8 EE DL FRM Ŭ [∰ 1 Installation dimensions → Flow direction Туре В1 В2 В3 В4 В5 В6 D1 L1 L2 MSB4 80.4 201 40.2 44 80 G1/4 201 87 MSB6 310 62 124 4.5 54 100 G1/2 285 134.5 Туре L3 L4 L5 L6 L7 L8 L9 Condensate drain manual rotary fully automatic

17.7

20.4

18.5

Ordering da	nta						
Size	Condensate drain	Connection	Grade of fi	ltration 5 µm		Grade of fi	iltration 40 μm
			Part No.	Туре		Part No.	Туре
Pressure regulation range 4 12 bar, pressure gauge with outer scale in bar and inner scale in psi							
MSB4	manual rotary	G1/4	-	-		542293	MSB4-1/4:C3J1D1A1F3-WP
	fully automatic	G1/4	-	-		542299	MSB4-1/4:C3J2D1A1F3-WP
MSB6	manual rotary	G1/2	542281	MSB6-1/2:C3J3D1A1F3-WP		542269	MSB6-1/2:C3J1D1A1F3-WP
	fully automatic	G ¹ / ₂	542287	MSB6-1/2:C3J4D1A1F3-WP		542275	MSB6-1/2:C3J2D1A1F3-WP

27

39

46.5

71

93.2

142

25

68

106

158

5.6

6.6

MSB4

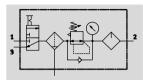
MSB6

^{15.8} Note: This product conforms to ISO 1179-1 and to ISO 228-1

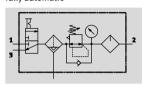


Technical data – Combination 6

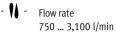
Function
With condensate drain
manual rotary

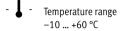


With condensate drain fully automatic



- On-off valve MS...-EM1 manually actuated
- Filter regulator MS...-LFR-D7 with pressure gauge
- Lubricator MS...-LOE-R
- Mounting bracket MS...-WP





Pressure regulation range

1 ... 12 bar





- For filtered and lubricated compressed air
- Supply pressure can be opened and closed
- Output pressure is infinitely adjustable within the pressure regulation range

General technical data					
Size	MSB4	MSB6			
Pneumatic connection 1, 2, 3	G1/4	G½			
Regulating function	Output pressure constant, with primary pressure compensat	tion, with return flow function, with secondary venting			
Type of mounting	Via accessories				
Assembly position	Vertical ±5°				
Grade of filtration [µm]	40				
Air purity class at the output	Compressed air in accordance with ISO 8573-1:2010 [7:4:4] (grade of filtration 40 µm)				
Bowl guard	Plastic bowl guard				
Condensate drain	Manual rotary				
	-	Fully automatic			
Actuator lock	Rotary knob with detent, lockable with accessories				
Pressure regulation range [bar]	1 12				
Pressure indicator	With pressure gauge				

 $^{\|\}cdot\|$ Note: This product conforms to ISO 1179-1 and to ISO 228-1

Standard nominal flow rate qnN [l/min]					
Size	MSB4	MSB6			
Grade of filtration 40 µn	750	3,100			



Technical data – Combination 6

Operating and environment	tal condition	s				
Condensate drain		Manual rotary		Fully automatic		
Size		MSB4	MSB6	MSB6		
Operating pressure	[bar]	1.5 14	1.5 18	2 12		
Operating medium	Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:4:4]			
		Inert gases				
Note on operating/pilot med	lium	Operation with lubricated medium possible (in which case lubricated operation will always be required)				
Ambient temperature	[°C]	-10 +60		+5 +60		
Temperature of medium	[°C]	-10 +60		+5 +60		
Storage temperature	[°C]	-10 +60		-10 +60		
Corrosion resistance	CRC ¹⁾	2				

Corrosion resistance class CRC 2 to Festo standard FN 940070 Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Weights [g]						
Size	MSB4	MSB6				
Service unit combination	1,500	1,750				
Mounting bracket	40	76				



Note

Materials → Technical data of the individual devices

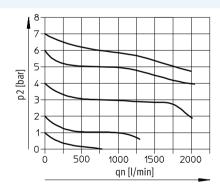
Standard flow rate qn as a function of output pressure p2

Pressure regulation range 1 ... 12 bar

Grade of filtration 40 μm

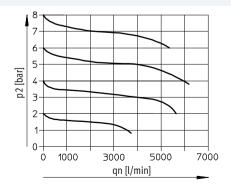
Grade of filtration 5 µm

MSB4-1/4 Primary pressure p1 = 10 bar



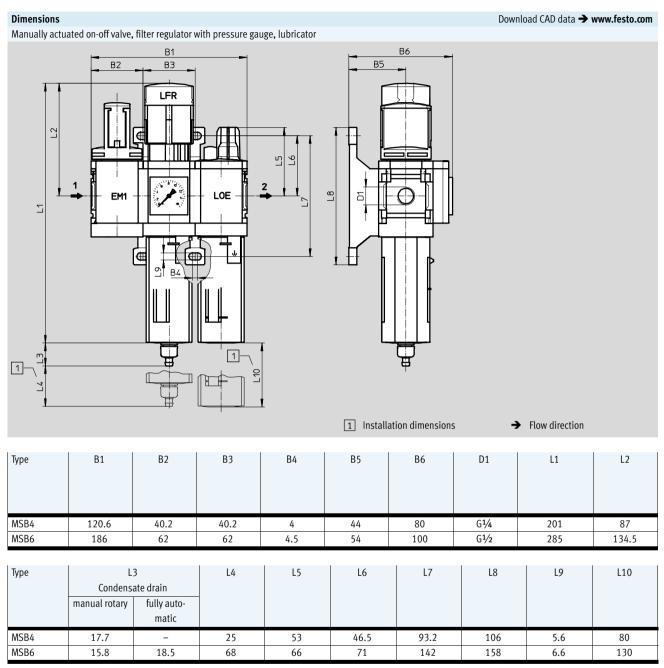
MSB6-1/2

Primary pressure p1 = 10 bar



Service unit combinations MSB4/MSB6, MS series Technical data – Combination 6





 $[\]ensuremath{\|}\cdot$ Note: This product conforms to ISO 1179-1 and to ISO 228-1

Ordering data	Ordering data							
Size	Condensate drain	Connection	Grade of filtration 40 µm					
			Part No. Type					
Pressure regu	ation range 1 12 bar,	pressure gaug	e with outer scale in bar and inner scale in psi					
MSB4	manual rotary	G ¹ / ₄	542296 MSB4-1/4:C3J1M1-WP					
MSB6	manual rotary	G ¹ / ₂	542272 MSB6-1/2:C3J1M1-WP					
	fully automatic	G ¹ / ₂	542278 MSB6-1/2:C3J2M1-WP					

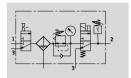
- New MSB4/6-...J120

Service unit combinations MSB4/MSB6, MS series

FESTO

Technical data – Combination 7

Function
With condensate drain,
manual rotary



- Manually operated on-off valve MS...-EM1
- Filter regulator MS...-LFR with pressure gauge
- Solenoid actuated on-off valve MS...-EE-10V24P-AD7, with pressure sensor for displaying output pressure via operational status indicator
- Mounting bracket MS...-WP



Flow rate 1,400 ... 4,400 l/min





Pressure regulation range 0.5 ... 10 bar



- For filtered and unlubricated compressed air supply
- Supply pressure can be opened and closed
- Output pressure is infinitely adjustable within the pressure regulation range
- When the supply pressure is closed, quick venting ensures rapid pressure reduction
- Electrical pressure monitoring with adjustable switching pressure

General technical data			
Size	MSB4	MSB6	
Pneumatic connection 1, 2, 3	G ¹ / ₄	G ¹ / ₂	
Regulator function	Output pressure constant, with primary pressure compensati	on, with return flow, with secondary venting	
Type of mounting	Via accessories		
Mounting position	Vertical ±5°		
Grade of filtration [μm] 40			
Air purity class at the output	Compressed air according to ISO 8573-1:2010 [7:4:4]		
Bowl guard	Plastic bowl guard		
Condensate drain	Manual rotary		
Actuation security	Rotary knob with detent, can be locked using accessories		
Pressure regulation range [bar]	0.5 7		
	0.5 10		
Pressure indication	Via pressure sensor for displaying output pressure via operational status indicator and electrical output		
	Via pressure gauge for displaying output pressure		

^{· ♦ ·} Note: This product conforms to ISO 1179-1 and to ISO 228-1

Electrical data – On-off valve MSEE-10V24P-AD7					
Coil characteristics	24 V DC: 1.8 W; permissible voltage fluctuations –15%/+10%				
Electrical connection	M12x1 to IEC 61076-2-101				
Protection class for solenoid coil	IP65				
Duty cycle [%]	100				

Service unit combinations MSB4/MSB6, MS series Technical data – Combination 7

FESTO

Standard nominal flow rate qnN [l/min]							
Size		MSB4	MSB6				
Pressure regulation range	Pressure regulation range 0.5 7 bar						
Grade of filtration	40 μm	1,600	4,400				
Pressure regulation range	Pressure regulation range 0.5 10 bar						
Grade of filtration	40 µm	1,400	4,000				

Operating and environmental conditions						
Condensate drain		Manual rotary				
Size		MSB4	MSB6			
Operating pressure	[bar]	0.8 14	0.8 18			
Operating medium		Compressed air according to ISO 8573-1:2010 [7:4:4]				
		Inert gases				
Note on operating/pilot med	ium	Lubricated operation possible (in which case lubricated oper	ration will always be required)			
Ambient temperature	[°C]	0 +50				
Temperature of medium	[°C]	0 +50				
Storage temperature	[°C]	-10 +60				
Corrosion resistance class	CRC ¹⁾	2				

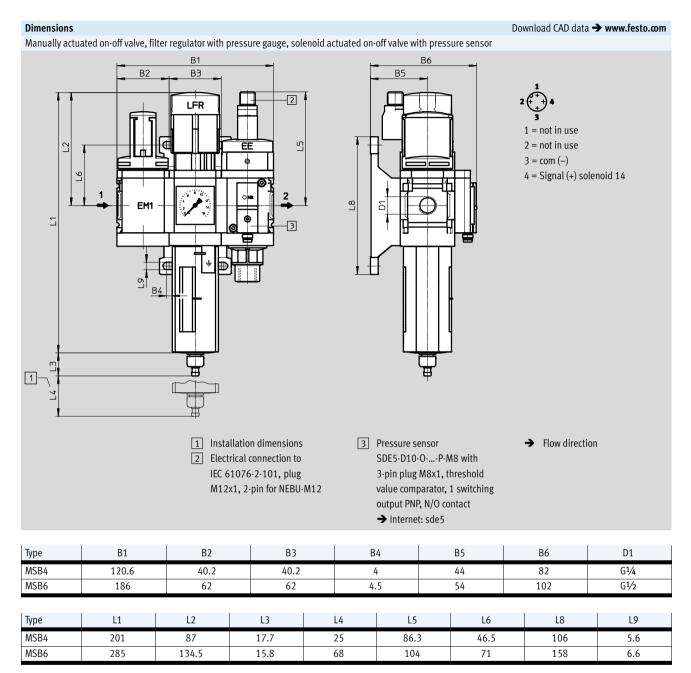
¹⁾ Corrosion resistance class CRC 2 to Festo standard FN 940070 Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmo $sphere\ typical\ for\ industrial\ applications.$

Weight [g]		
Size	MSB4	MSB6
Service unit combination	1,600	2,000
Mounting bracket	40	76





Technical data – Combination 7



Note: This product conforms to ISO 1179-1 and to ISO 228-1

Ordering data						
Size	Condensate drain	Connection	Grade of filtration 40 μm			
			Part No.	Туре		
Pressure regul	ation range 0.5 7 bar	, pressure gaug	ge with outer	scale in MPa		
MSB4	Manual rotary	G1/4	8042666	MSB4-1/4:C3:J120:D14-WP	.0.	
MSB6	Manual rotary	G ¹ / ₂	8042670	MSB6-1/2:C3:J120:D14-WP	.0.	
Pressure regul	ation range 0.5 10 ba	ar, pressure gau	uge with oute	er scale in bar and inner scale in psi		
MSB4	Manual rotary	G1/4	8025358	MSB4-1/4:C3:J1:D14-WP		
MSB6	Manual rotary	G ¹ / ₂	8025359	MSB6-1/2:C3:J1:D14-WP		

Service unit combinations MSB, MS seriesAccessories



Ordering data - S	ilenær U			Technical data → Internet: u
	Description	Pneumatic connection	Part No.	Туре
	for MS4-EM1/EE	G ¹ / ₄	6842	U-1⁄4-B
	for MS6-EM1/EE	G ¹ / ₂	6844	U-1/2-B

Ordering data − Angled socket PEV Technical data → Internet:								
	Description	Operating voltage	Electrical connection	Switching status	Part No.	Туре		
		range		display				
	for PEV-1/4OD	15 30 V DC	4-pin	Yellow LED	164274	PEV-1/4-WD-LED-24		
		≤ 230 V AC	4-pin	Yellow LED	164275	PEV-1/4-WD-LED-230		

Ordering data –	Plug socket MSSD					Technical data → Internet: mssd
	Description	Operating voltage range	Electrical connection	Type of mounting cable connection	Part No.	Type
P	for PEV-1/4OD	≤ 250 V AC/DC	3-pin	Clamping screws	171157	MSSD-C-4P
	for MS4/6-EE/DE	≤ 250 V AC/DC	3-pin	Clamping screws	151687	MSSD-EB
			4-pin	Insulation displace-	192745	MSSD-EB-S-M14
				ment technology		

Ordering data – Plug socket with cable KMEB							Technical data → Internet: kmeb
	Description	Operating voltage range	Electrical connection	Switching status display	Cable length [m]	Part No.	Туре
//	for MS4/6-EE/DE	24 V DC	2-pin	LED	2.5	547268	KMEB-3-24-2,5-LED
				5	547269	KMEB-3-24-5-LED	
				- 2	2.5	547270	KMEB-3-24-2,5
					5	547271	KMEB-3-24-5
		3-pi	3-pin	LED	2.5	151688	KMEB-1-24-2,5-LED
					5	151689	KMEB-1-24-5-LED
					10	193457	KMEB-1-24-10-LED
		230 V AC	3-pin	-	2.5	151690	KMEB-1-230AC-2,5
					5	151691	KMEB-1-230AC-5

Ordering data -	- Illuminating seal MEB-LD	Technical data → Internet: meb		
	Description	Operating voltage range	Part No.	Туре
	for plug socket with cable KMEB and plug	12 24 V DC	151717	MEB-LD-12-24DC
	socket MSSD-EB	230 V DC/AC ±10%	151718	MEB-LD-230AC

Ordering data – Padlock LRVS-D						
	Description	Weight [g]	Part No.	Туре		
	for filter or pressure regulators	120	193786	LRVS-D		

Service unit combinations MSB, MS seriesAccessories



Ordering data – C	hnical data 🛨 Internet: nebu				
	Electrical connection	Number of wires	Cable length [m]	Part No.	Туре
	M8x1, straight socket	3	5	541333 541334	NEBU-M8G3-K-2.5-LE3 NEBU-M8G3-K-5-LE3
	M8x1, angled socket	3	2.5	541338 541341	NEBU-M8W3-K-2.5-LE3 NEBU-M8W3-K-5-LE3

Ordering data – Connecting cable NEBU-M12					Technical data → Internet: nebu	
	Electrical connection	Number of wires	Cable length [m]	Part No.	Туре	
A LANGE	M12x1, straight socket	4	2.5	550326 541328	NEBU-M12G5-K-2.5-LE4 NEBU-M12G5-K-5-LE4	
	M12x1, angled socket	4	2.5	550325	NEBU-M12W5-K-2.5-LE4	
			5	541329	NEBU-M12W5-K-5-LE4	