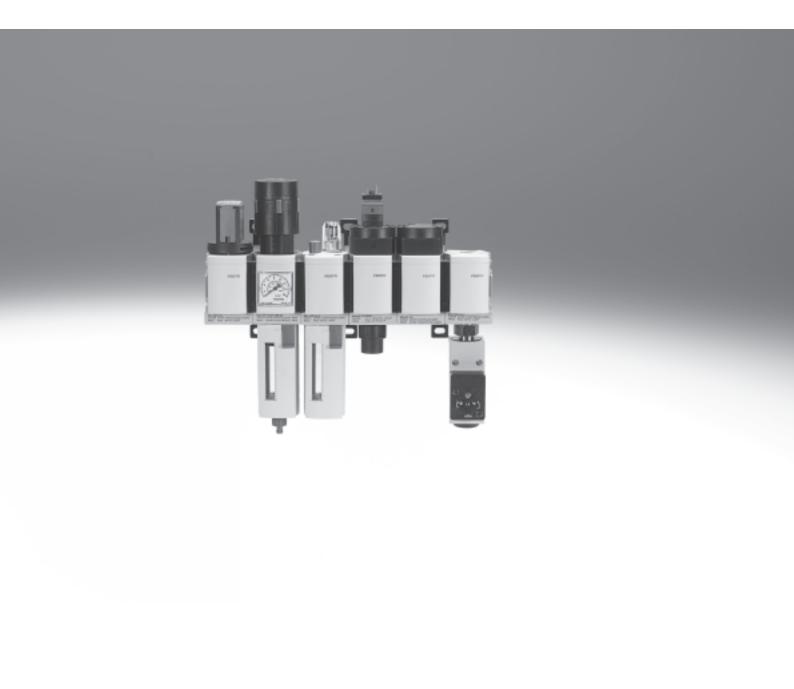
FESTO





Туре		Size			Press	ure regi	ulation	range			Grade of filtration				
					[bar]						[µm]				
			Pneumatic		0.05	0.05	0.1	0.3	0.1	0.5					
			connection in		•••	•••	•••	•••	•••	•••					
			housing	Connecting plate	0.7	2.5	4	7	12	16	0.01	1	5	40	
Code				AG	D2	D4	D5	D6	D7	D8	Α	В	С	E	
Service units															
MSB-FRC	Pa	4	G1/8, G1/4	G¹/8, G¹/4, G³/8	-	-	-			-	-	-			
		6	G1/4, G3/8, G1/2	G¹⁄4, G³⁄8, G¹⁄2, G³⁄4	-	-	-			-	-	-			
		9	-												
		12	_												
	binations (furth	er variant	s can be ordered u	sing the configurator $ ightharpoonup$ Intern	et: msb	4, msb	6 or ms	sb9)							
MSB		4	G1/4	G½, G¼, G¾	-	-	-		•	-	-	-	•		
		6	G½	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-	-		•	-	-	-			
		9	-												
		12	-												
	•	•													
Individual device	es .														
Filter regulators		4	G1/8, G1/4	G½, G¼, G¾	-	-	•		•	-	-	-	•		
MS-LFR		6	G1/4, G3/8, G1/2	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-					-	-			
		9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-			•		-	-			
		12	-	G1, G1¼, G1½, G2	-	-	-				-	-			
		1	T	T//			1								
Filters		4	G1/8, G1/4	G¹/8, G¹/4, G³/8	-	-	-	-	-	-	-	-	•		
MS-LF		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	-	-	-	-	-	-	-	-	•		
Fine and micro		4	G1/8, G1/4	G½, G¼, G¾	-	-	-	-	-	-	-	-	-	-	
filters		6	G1/4, G3/8, G1/2	G1/4, G3/8, G1/2, G3/4	-	-	_	_	-	-	•	•	-	_	
MS-LFM		9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-	_	_	-	-	•	•	-	_	
		12	-	G1, G1¼, G1½, G2	-	-	-	-	-	-	•	•	-	-	
Activated carbon		4	G1/8, G1/4	G¹/8, G¹/4, G³/8	-	-	-	-	-	-	-	-	-	-	
filters		6	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G½, G3/8, G½, G3/4	-	-	-	-	-	-	-	-	-	-	
MS-LFX		9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-	-	-	-	-	-	-	-	-	
		12	-	G1, G1¼, G1½, G2	-	-	-	-	-	-	-	-	-	-	
\A/-+		Ι,													
Water separators		4	-	61/ 62/ 61/ 62/	1	1			1	1	1	1			
MS-LWS		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	-	-	-	-	_	_	-	_	-	_	



3

Туре	Size	Bowl g	uard	Conde	nsate dr	ains		Pressu	re indica	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	M	Н	٧	E	VS	AG	A8	A4	AD	AS	E11	S	Z	
Service units																	
MSB-FRC	4		_		_		-	-		-	-	-		-	-		msb4
	6				-		-	-		-	-	-		-	-		msb6
	9	-					•										-
	12	-															-
																	l.
Service unit comb	inations	_	_		_	_	_			_	_	_	_	_	_	_	
MSB	4				_		_	-		-	-	_		-	-		8
	6				-		-	-		-	-	-		-	-		8
	9	_	l	I	<u> </u>	ļ	1	ļ	ļ	l	l	<u> </u>	l	1	ļ		-
	12	_															_
	12	1															
Individual devices	2																
Filter regulators	4						T -								_		ms4-lfr
MS-LFR	6	_			_					_		_	_		_	_	ms6-lfr
mo Eric	9	-					<u> </u>			_		_	_		_	_	ms9-lfr
	12	_			_		<u> </u>			_		_			_	_	ms12-lfr
	12		_														111312 (11
Filters	4						Τ_	_	_	_	_	_	_	_	_		ms4-lf
MS-LF	6	_			_			_	_	_	_	_	_	_	_	_	ms6-lf
	9	-					<u> </u>	_	_	_	_	_	_	_	_	_	ms9-lf
	12	+_			_			_	_	_	_	_	_	_	_	_	ms12-lf
Fine and micro	4						+-	_	_	_	_	_	_	_	_	_	ms4-lfm
filters	6							_	_	_	_	_	_	_	_	_	ms6-lfm
MS-LFM	9	-					<u> </u>	_	_	_	_	_	_	_	_	_	ms9-lfm
	12	_			_			_	_	_	_	_	_	_	_	-	ms12-lfm
Activated carbon	4		_	-	_	-	+-	_	_	_	_	_	_	_	_	_	ms4-lfx
filters	6			_	_	_	_	_	_	_	_	_	_	_	_	-	ms6-lfx
MS-LFX	9	-		_	_	_	_	_	_	_	_	_	_	_	_	-	ms9-lfx
	12	-		_	_	_	_	_	_	_	_	_	_	_	-		ms12-lfx
	1	1		l	I	I	1	I	I	I	I	I	<u> </u>	<u> </u>	I		512 (1/
Water separators	4	l –															_
MS-LWS	6	_		_	_			_	T _	_	T _	_	T -	T _	_		ms6-lws
	9	_		_	_		-	_	_	_	_	_	_	_	-		ms9-lws
	12	_	-	_	_		-	_	_	-	_	_	_	_	-		ms12-lws
	12				L			<u> </u>	<u> </u>						<u> </u>		111312 (883



Туре		Size			Press [bar]	ure regi	ulation	range			Suppl	ly volta:	ge	
			Pneumatic connection in housing	Connecting plate	0.05 0.7	0.05 2.5	0.1 4	0.3	0.1 12	0.5 16	24 V DC, connection pattern to EN 175301	24 V DC, connection M12 to IEC 61076-2-101	110 V AC, connection pattern to EN 175301	230 V AC, connection pattern to EN 175301
Code			g	AG	D2	D4	D5	D6	D7	D8	V24	V24P	V110	V230
Individual devices		<u>'</u>												
Pressure	<u> </u>	4	G1/8, G1/4	G ¹ / ₈ , G ¹ / ₄ , G ³ / ₈	l -	-	-			-	<u> </u>	l -	-	-
regulators		6	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-					-	-	-	-
MS-LR		9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-					-	-	-	-
		12	-	G1, G1¼, G1½, G2	-	-	-				-	-	-	-
Pressure	2	4	G1/4	G¹/8, G¹/4, G³/8	-	-				-	-	-	-	-
regulators		6	G ¹ / ₂	G¹⁄4, G³⁄8, G¹⁄2, G³⁄4	-	-	•		•	•	-	-	-	-
MS-LRB		9	-											
		12	-											
Precision	P	4	-											
pressure		6	G1/4, G3/8, G1/2	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄				-		-	-	-	-	-
regulators		9	-											
MS-LRP		12	-											
Precision		4	-	<u>.</u>										
pressure		6	G ¹ / ₂	G1/4, G3/8, G1/2, G3/4				-		-	-	-	-	-
regulators		9	-											
MS-LRPB		12	-											
Electrical		4	-	Tat/ 20/ 24/ 20/	,						1			
pressure		6	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-					-	-	-	_
regulators MS-LRE		9	-											
IVI3-LKE		12	-											
Lubricators		4	G¹/8, G¹/4	G½, G¼, G¾	l _	_	_	l _	_	_	T _	l _	1_	1 -
MS-LOE		6	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G½, G¾, G½, G¾ G½, G¾, G½, G¾	_	_	_	_	_	_	_	_	-	_
WIS-LOL		9	G3/4, G1	G½, G¾, G1, G1¼, G1½	_	_	_	_	_	_	_	_	_	_
		12	d74, d1	G1, G1 ¹ / ₄ , G1 ¹ / ₂ , G2	<u>-</u>	_	_	_	_	-	-	<u>-</u>	-	_
		12	1	01, 01 /4, 0172, 02							I -			
On-off valves,	<u> </u>	4	G½, G¼	G½, G¼, G¾	_	_	_	_	_	_	_	_	_	_
manually		6	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-	_	-	-	-	_	-	-	_
actuated		9	G ³ / ₄ , G1	G½, G¾, G1, G1¼, G1½	-	_	_	_	-	-	_	_	_	-
MS-EM(1)		12	-	G1, G1¼, G1½, G2	-	-	-	-	-	-	-	-	-	-
On-off valves,	(b .	4	G1/8, G1/4	G¹/8, G¹/4, G³/8	-	-	-	-	-	-		-		•
electrically		6	G1/4, G3/8, G1/2	G¹/4, G³/8, G¹/2, G³/4	-	-	-	-	-	-		-	•	•
actuated		9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-	-	-	-	-		•	•	•
MS-EE	9	12	-	G1, G1¼, G1½, G2	-	-	-	-	-	-		•		•
Soft-start valves,	<u> </u>	4	G½, G¼	G½, G¼, G¾	-	-	-	-	-	-	-	-	-	-
pneumatically		6	G1/4, G3/8, G1/2	G¹⁄4, G³⁄8, G¹⁄2, G³⁄4	-	-	-	-	-	-	-	-	-	-
actuated	•	9	-											
MS-DL		12	-	G1, G1¼, G1½, G2	-	-	-	-	-	-	-	-	-	-
Soft-start valves,	(%)	4	G1/8, G1/4	G¹/8, G¹/4, G³/8	-	-	-	-	-	-		-		
electrically		6	G1/4, G3/8, G1/2	G¹⁄4, G³⁄8, G¹⁄2, G³⁄4	-	-	-	-	-	-		-		•
actuated		9	-		_									
MS-DE		12	_	G1, G1¼, G1½, G2	-	_	-	_	-	-				



Туре	Size	Bowl guar	d	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 devices	5												
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	-							1		1		-
pressure	6	-	-		_								ms6-lrp
regulators	9	-											-
MS-LRP	12	-											-
Precision	4	-	1	1	1	1	1	1	1	1	1	1	-
pressure	6	-	-		_	•					_		ms6-lrpb
regulators	9	-											-
MS-LRPB	12	-											-
Electrical	4	-	1					1		1			
pressure	6	-	-			_		-	-	-	-		ms6-lre
regulators	9	-											-
MS-LRE	12	-											_
Lubatantana	1,	1 _		1	1	1	i	i	1	i	1		
Lubricators MS-LOE	4	-	-	-	-	-	-	_	-	_	-	-	ms4-loe
MS-LUE	6	-	-	-	-	-	-	-	-	-	-	-	ms6-loe
	9	-	-	-	-	-	-	-		_	-	-	ms9-loe ms12-loe
	12	-		-	-	-	-	_	_	_	_	•	IIIS12-10e
On-off valves,	4	I -	l _						_	l _	-		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	_	l .			1			<u> </u>	l .	<u> </u>		-
MS-DL	12	-	_			_		_	_	_	_		ms12-dl
Soft-start valves,	4	-	_	-	•	-	_	-	_	_	_	•	ms4-de
electrically	6	-	_		•	_			_	_	_	•	ms6-de
actuated	9	-	l .	ı	1	1	l .	l .	1	l .	1	1	-
MS-DE	12	_	_		•	_		_	-	_	-		ms12-de
-										1			1



Туре		Size			Performan	ce Level	Supply vo	ltage		
Code			Pneumatic connection in housing	Connecting plate	Category 1, 1-channel	Category 4, 2-channel with self-monitoring	24 V DC, connection pattern to EN 175301	24 V DC, connection M12 to IEC 61076-2-101/ to EN 60947-5-2	110 V AC, connection pattern to EN 175301	230 V AC, connection battern to EN 175301
Individual devices				AU	·	E.	V24	V24F	VIIO	V230
Soft start and	<u> </u>	4	T_							
exhaust valves		6	G ¹ / ₂	G¹/4, G³/8, G¹/2, G³/4		_				
MS-SV-C		9	G3/4, G1	G½, G¾, G1, G1¼, G1½		_	-			
		12	-	-7-, -7 .,, 7 ., 7-		1	1			1
Soft start and		4	-							
exhaust valves		6	G ¹ / ₂	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	•		-	-	_
MS-SV-E		9	_		1	1	1			1
		12	-							
Membrane air		1,	G¹/8, G¹/4	C1/2 C1/2 C3/2	ı	1	1			1
dryers		6	G½, G¾ G½, G¾, G½	G½, G½, G¾, G¾ G¼, G¾, G½, G¾	-	-	-	-	-	_
MS-LDM1		9	-	074, 078, 072, 074	_		_	_	_	_
WIS-EDIVIT	ļ. <i>]</i>	12	- -							
	<u> </u>	12								
Branching	<u> </u>	4	G1/8, G1/4	G1/8, G1/4, G3/8	_	_	-	_	-	_
modules		6	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	-	-	-	-	-	-
MS-FRM	*	9	G3/4, G1	G½, G¾, G1, G1¼, G1½	-	-	-	-	_	-
		12	-	G1, G1¼, G1½, G2	-	-	-	-	-	-
Distributor		4	G ¹ / ₄	-	-	-	-	-	-	-
blocks		6	G ¹ / ₂	-	-	-	-	-	-	-
MS-FRM-FRZ		9	_							
		12	_							
Flow sensors		4	-		·	1				,
SFAM		6	G ¹ / ₂	G ¹ / ₂	-	-	-	-	-	-
		9	_	G1, G1½	-	-	-	-	-	-
		12	-							



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	-		•	•	•		•	•				-
Soft start and	4	-											-
exhaust valves	6	-	-			-	•		-	-			ms6-sv
MS-SV-E	9	-			•	•		•					-
	12	-											-
	1.	1					Т		1	T	1		
Membrane air	4	-	•	-	-	-	-	_	-	-	-	•	ms4-ldm1
dryers	6	-		-	-	-	-	_	-	-	-	•	ms6-ldm1
MS-LDM1	9	-											-
	12	-											-
Branching	4	l –	l –		•				_	I –	l –		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	_	l .	1	1	1	1	1	1	1	l .		-
_	12	-											-
		1											1
Flow sensors	4	-											-
SFAM	6	-	_	-	-	-	-	_			_	•	sfam-62
	9	-	-	-	-	-	-	-	-	-	-	-	sfam-90
	12	-	•	•	•	•				•			_

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



Combinations		Combination 1	Combination 2	Combination 3	Combination 4	Combination 5
Comprising:						
Manually operated on-off valve	EM1	•	-	•	•	-
Filter regulator with pressure gauge, lockable	LFR	•	•	•	•	•
Pressure regulator with pressure gauge, lockable	LR	-	-	-	-	-
Filter	LF	-	-	-	-	
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		11	11	11	11	11
Technical data → Page		12	15	19	23	26

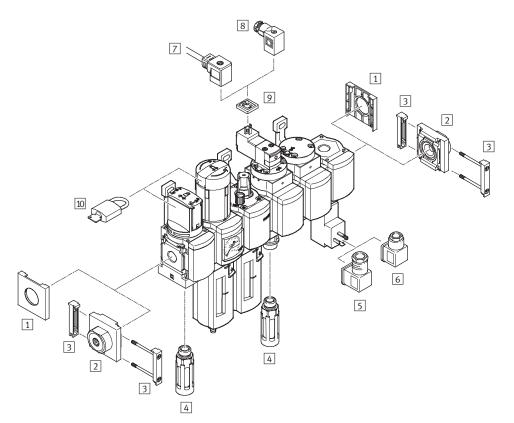
Service unit combinations MSB4/MSB6, MS series Product range overview



Combinations		Combination 6		Combination 7	Combination 8	Combination 9	Combination 10
Comprising:							
Manually operated on-off valve	EM1	•	•	•	•	-	•
Filter regulator with pressure gauge, lockable	LFR	•	•	•	•	-	•
Pressure regulator with pressure gauge, lockable	LR	-	-	-	-	•	-
Filter	LF	-	-	-	-	-	-
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		11	11	11	11	11	11
Technical data → Page		30	30	34	38	41	45

Service unit combinations MSB4/MSB6, MS series Peripherals overview





Note

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

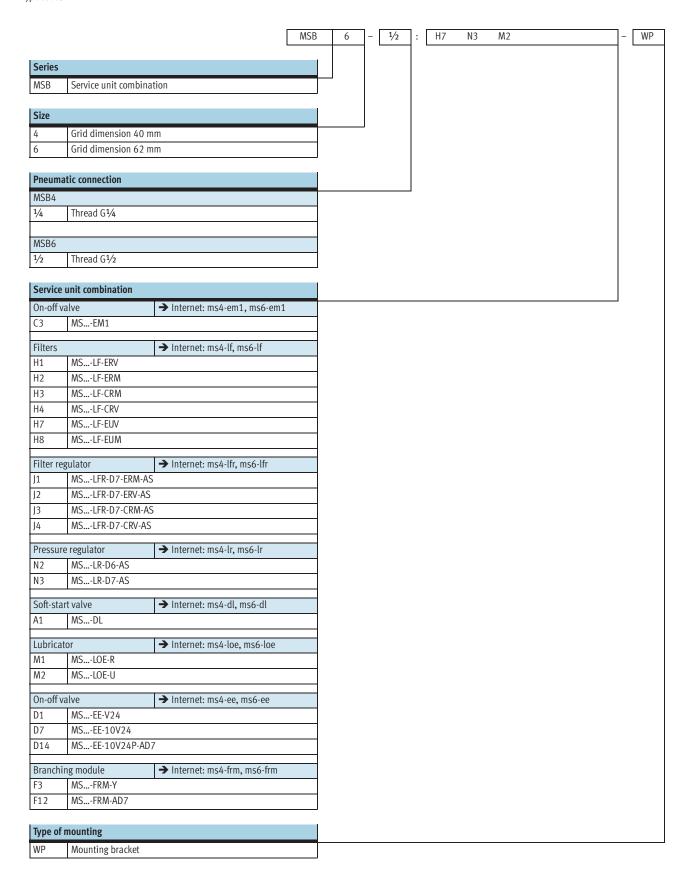
Range of accessories

→ Peripherals pages of the individual devices

Mour	Mounting attachments and accessories							
1	Cover cap	ms4-end,						
	MS4/6-END	ms6-end						
2	Connecting plate	ms4-ag,						
	MS4/6-AG	ms6-ag						
3	Module connector	ms4-mv,						
	MS4/6-MV	ms6-mv						
4	Silencer	48						
	U							
5	Angled socket	48						
	PEV-1/4-WD-LED							
6	Plug socket	48						
	MSSD-C-4P							
7	Plug socket with cable	48						
	KMEB							
8	Plug socket	48						
	MSSD-EB							
9	Illuminating seal	48						
	MEB-LD							
10	Padlock	48						
	LRVS-D							
-	Mounting bracket	ms4-wp,						
	MS4/6-WP/WPB/WPE/WPM	ms6-wp						



Type code:



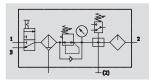
Further variants can be ordered using the modular system → www.festo.com

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

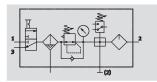
FESTO

Technical data – Combination 1

Function With condensate drain manual rotary



With condensate drain fully automatic



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

Flow rate

900 ... 3,300 l/min

Temperature range

−10 ... +60 °C

Pressure

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
- 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	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]	1 12	
Pressure indicator	With pressure gauge	

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

12

Standard nominal flow rate qnN [l/min]									
Size		MSB4	MSB6						
Grade of filtration	5 μm	900	3,200						
	40 μm	950	3,300						



Technical data – Combination 1

Operating and environmen	tal conditions	s			
Condensate drain		Manual rotary		Fully automatic	
Size		MSB4	MSB6	MSB4	MSB6
Operating pressure	[bar]	1.5 14	1.5 18	2 12	2 12
Operating medium		Compressed air in accordan	ce with ISO 8573-1:2010	[7:4:4]	
		Inert gases			
Note on operating/pilot med	dium	Operation with lubricated m	edium possible (in which	case lubricated operation	on 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 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Weights [g]		
Size	MSB4	MSB6
Service unit combination	1,700	2,550
Mounting bracket	40	76

Note

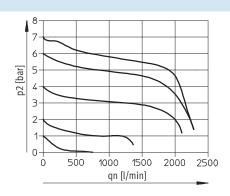
Materials → Technical data of the individual devices

Standard flow rate qn as a function of output pressure p2

Pressure regulation range 1 ... 12 bar

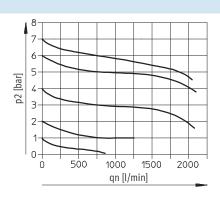
MSB4-1/4

Primary pressure p1 = 10 bar



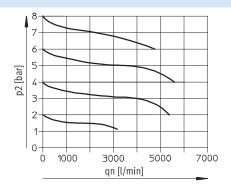
Grade of filtration 5 µm

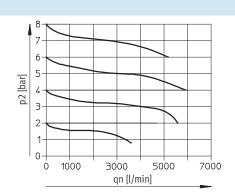
Grade of filtration 40 µm



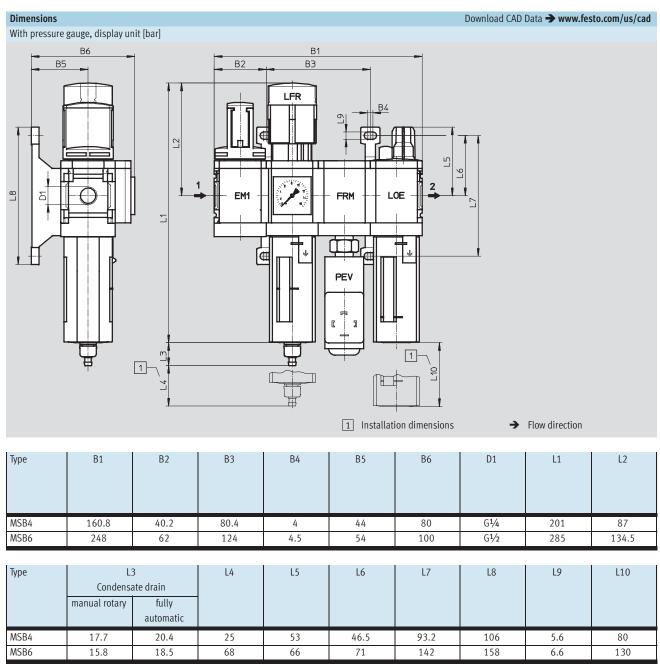
MSB6-1/2

Primary pressure p1 = 10 bar







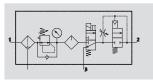


Ordering da	ta							
Pressure reg	ulation range 1 12 bar							
Size	Condensate drain	Connection	Grade of fi	Grade of filtration 5 µm		Grade of filtration 40 µm		
			Part No.	Туре		Part No.	Туре	
Plastic bowl	guard							
MSB4	manual rotary	G1/4	542307	MSB4-1/4:C3J3F3M1-WP		542295	MSB4-1/4:C3J1F3M1-WP	
	fully automatic	G1/4	542313	MSB4-1/4:C3J4F3M1-WP		542301	MSB4-1/4:C3J2F3M1-WP	
MSB6	manual rotary	G1/2	542283	MSB6-1/2:C3J3F3M1-WP		542271	MSB6-1/2:C3J1F3M1-WP	
	fully automatic	G1/2	542289	MSB6-1/2:C3J4F3M1-WP		542277	MSB6-1/2:C3J2F3M1-WP	

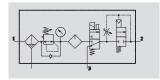
FESTO

Technical data – Combination 2

Function With condensate drain manual rotary



With condensate drain fully automatic



- Filter regulator MS...-LFR-D7
- Lubricator MS...-LOE-R
- On-off valve MS...-EE-10V24 or MS...-EE-V24 solenoid actuated
- Soft-start valve MS...-DL pneumatically actuated
- Mounting bracket MS...-WP

Flow rate

550 ... 2,000 l/min

Temperature range

−10 ... +60 °C

Pressure

range 4 ... 12 bar



- For filtered and lubricated 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	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:-] (grade of filtration 5 µm)					
		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 9 (with on-off valve MSEE-10V24)					
	[bar]	4 12 (with on-off valve MSEE-V24)					
Pressure indicator		With pressure gauge					
Coil characteristics		24 V DC	24 V DC: 2,5 W (pressure regulation range 4 9 bar)				
			24 V DC: 1,5 W (pressure regulation range 4 12 bar)				

Standard nominal flow rate q	nN [l/min]		
Size		MSB4	MSB6
Grade of filtration	5 μm	550	1,900
	40 μm	600	2,000



Technical data - Combination 2

Operating and environmen	ıtal condition	S								
		Pressure regu	ılation range 4	9 bar		Pressure regu	ulation range 4	12 bar		
Condensate drain		Manual rotar	у	Fully automat	ic	Manual rotar	у	Fully automa	Fully automatic	
Size		MSB4	MSB6	MSB4	MSB6	MSB4 MSB6		MSB4	MSB6	
Operating pressure	[bar]	4.5 10	4.5 10	4.5 10	4.5 10	4.5 14	4.5 18	4.5 12	4.5 12	
Operating medium		accordance w	accordance with ISO 8573-1:2010 [-:4:-]		Compressed air in accordance with ISO 8573-1:2010 [7:4:-]		Compressed air in accordance with ISO 8573-1:2010 [-:4:-]		Compressed air in accordance with ISO 8573-1:2010 [7:4:-]	
Note on operating/pilot me	dium	Operation wit	h lubricated me	dium possible (in which case lu	ubricated opera	ition will alway	s be required)		
Ambient temperature	[°C]	-10 +50		+5 +50		-10 +60		+5 +60		
Temperature of medium	[°C]	-10 +50		+5 +50		-10 +60		+5 +60		
Storage temperature	[°C]	-10 +60		-10 +60		-10 +60		-10 +60		
Corrosion resistance	CRC ¹⁾	2								

Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Weights [g]		
Size	MSB4	MSB6
Service unit combination	1,800	3,000
Mounting bracket	40	76

Note

Materials → Technical data of the individual devices

Standard flow rate qn as a function of output pressure p2

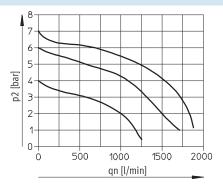
Pressure regulation range

4 ... 9 bar / 4 ... 12 bar

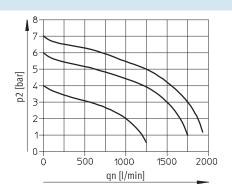
MSB4-1/4

Primary pressure p1 = 10 bar



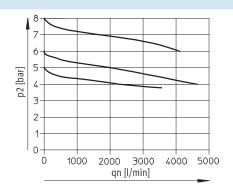


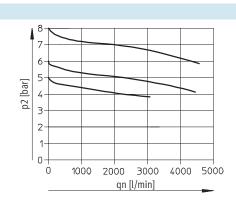
Grade of filtration 40 μm



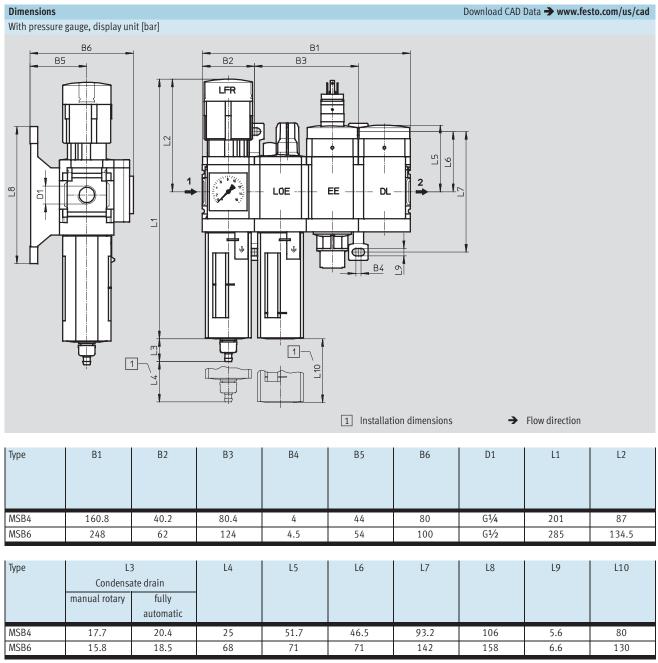
MSB6-1/2

Primary pressure p1 = 10 bar











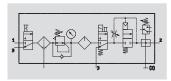
Ordering data	l					
Pressure regu	lation range 4 9 bar					
Size	Condensate drain	Connection	Grade of fi	ltration 5 µm	Grade of filt	ration 40 µm
			Part No.	Туре	Part No.	Туре
Plastic bowl g	uard					
MSB4	manual rotary	G1/4	542632	MSB4-1/4:J3M1D7A1-WP	542628	MSB4-1/4:J1M1D7A1-WP
	fully automatic	G1/4	542634	MSB4-1/4:J4M1D7A1-WP	542630	MSB4-1/4:J2M1D7A1-WP
MSB6	manual rotary	G1/2	542648	MSB6-1/2:J3M1D7A1-WP	542644	MSB6-½:J1M1D7A1-WP
	fully automatic	G1/2	542650	MSB6-1/2:J4M1D7A1-WP	542646	MSB6-½:J2M1D7A1-WP

Ordering data	a					
Pressure regu	ılation range 4 12 baı	r				
Size	Condensate drain	Connection	Grade of fi	ltration 5 µm	Grade of f	ltration 40 µm
			Part No.	Туре	Part No.	Туре
Plastic bowl §	guard					
MSB4	manual rotary	G1/4	531106	MSB4-1/4:J3M1D1A1-WP	531102	MSB4-1/4:J1M1D1A1-WP
	fully automatic	G1/4	531108	MSB4-1/4:J4M1D1A1-WP	531104	MSB4-1/4:J2M1D1A1-WP
MSB6	manual rotary	G ¹ / ₂	530227	MSB6-1/2:J3M1D1A1-WP	530223	MSB6-1/2:J1M1D1A1-WP
	fully automatic	G ¹ / ₂	530229	MSB6-1/2:J4M1D1A1-WP	530225	MSB6-1/2:J2M1D1A1-WP

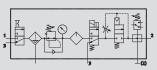


Technical data – Combination 3

Function With condensate drain manual rotary



With condensate drain fully automatic



- On-off valve MS...-EM1 manually actuated
- Filter regulator MS...-LFR-D7
- Lubricator MS...-LOE-R
- On-off valve MS...-EE-10V24 or MS...-EE-V24 solenoid actuated

Flow rate

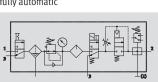
550 ... 2,300 l/min

Temperature range

−10 ... +60 °C

Pressure

range 4 ... 12 bar



- Soft-start valve MS...-DL pneumatically actuated
- Branching module MS...-FRM-Y with pressure switch without display
- Mounting bracket MS...-WP



- For filtered and lubricated 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
- 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	G1/2				
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 [μι	m] 5					
	40	40				
Air purity class at the output	Compressed air in accordance w	Compressed air in accordance with ISO 8573-1:2010 [6:4:4] (grade of filtration 5 μm)				
	Compressed air in accordance w	ssed 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, lockab	le with accessories				
Pressure regulation range [ba	ar] 4 9 (with on-off valve MSEE	-10V24)				
[ba	ar] 4 12 (with on-off valve MSE	E-V24)				
Pressure indicator	With pressure gauge					
Coil characteristics	24 V DC	24 V DC: 2,5 W (pressure regulation range 4 9 bar)				
		24 V DC: 1,5 W (pressure regulation range 4 12 bar)				

Standard nominal flow rate q	nN [l/min]		
Size		MSB4	MSB6
Grade of filtration	5 μm	550	2,100
	40 μm	600	2,300



Technical data – Combination 3

Operating and environmer	ital condition	S								
				9 bar		Pressure regi	Pressure regulation range 4 12 bar			
Condensate drain		Manual rotary		Fully automat	Fully automatic		Manual rotary		atic	
Size		MSB4	MSB6	MSB4	MSB6 MSB4		MSB6	MSB4	MSB6	
Operating pressure	[bar]	4.5 10	4.5 10	4.5 10	4.5 10	4.5 14	4.5 18	4.5 12	4.5 12	
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:4:4]								
		Inert gases								
Note on operating/pilot me	dium	Operation wit	h lubricated me	edium possible (in which case lu	bricated opera	ıtion will alway	s be required)		
Ambient temperature	[°C]	-10 +50		+5 +50		-10 +60		+5 +60		
Temperature of medium	[°C]	-10 +50		+5 +50		-10 +60		+5 +60		
Storage temperature	[°C]	-10 +60		-10 +60		-10 +60		-10 +60		
Corrosion resistance	CRC ¹⁾	2								

¹⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Weights [g]		
Size	MSB4	MSB6
Service unit combination	2.200	4.000
Service unit combination	2,200	4,000

Note

Materials → Technical data of the individual devices

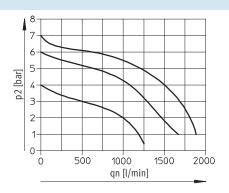
Standard flow rate qn as a function of output pressure p2

Pressure regulation range

4 ... 9 bar / 4 ... 12 bar

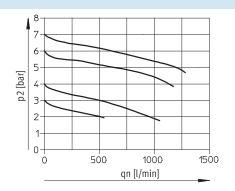
MSB4-1/4

Primary pressure p1 = 10 bar



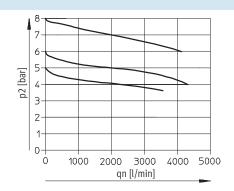
Grade of filtration 5 µm

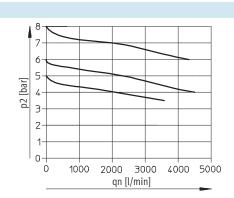
Grade of filtration 40 µm



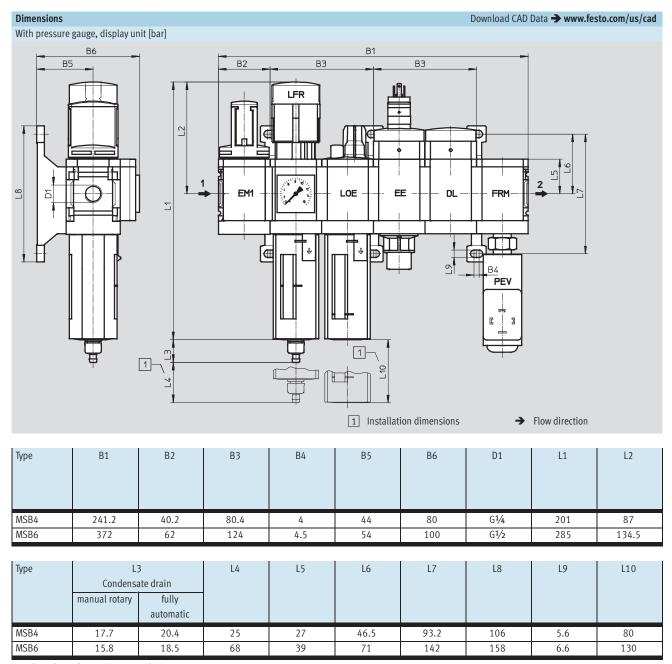
MSB6-1/2

Primary pressure p1 = 10 bar









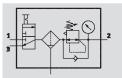


Ordering dat	a							
Pressure reg	ulation range 4 9 bar							
Size	Condensate drain	Connection	Grade of filtration 5 µm			Grade of filtration 40 µm		
			Part No.	Туре		Part No.	Туре	
Plastic bowl	Plastic bowl guard							
MSB4	manual rotary	G1/4	542624	MSB4-1/4:C3J3M1D7A1F3-WP		542619	MSB4-1/4:C3J1M1D7A1F3-WP	
	fully automatic	G1/4	542626	MSB4-1/4:C3J4M1D7A1F3-WP		542622	MSB4-1/4:C3J2M1D7A1F3-WP	
MSB6	manual rotary	G1/2	542640	MSB6-1/2:C3J3M1D7A1F3-WP	1	542636	MSB6-1/2:C3J1M1D7A1F3-WP	
	fully automatic	G1/2	542642	MSB6-1/2:C3J4M1D7A1F3-WP		542638	MSB6-1/2:C3J2M1D7A1F3-WP	

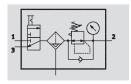
Ordering data	1					
Pressure regu	lation range 4 12 bar	r				
Size	Condensate drain	Connection	Grade of filtration 5 µm		Grade of fi	iltration 40 μm
			Part No.	Туре	Part No.	Туре
Plastic bowl g	uard					
MSB4	manual rotary	G1/4	542309	MSB4-1/4:C3J3M1D1A1F3-WP	542297	MSB4-1/4:C3J1M1D1A1F3-WP
	fully automatic	G1/4	542315	MSB4-1/4:C3J4M1D1A1F3-WP	542303	MSB4-1/4:C3J2M1D1A1F3-WP
MSB6	manual rotary	G ¹ / ₂	542285	MSB6-1/2:C3J3M1D1A1F3-WP	542273	MSB6-1/2:C3J1M1D1A1F3-WP
	fully automatic	G ¹ / ₂	542291	MSB6-1/2:C3J4M1D1A1F3-WP	542279	MSB6-1/2:C3J2M1D1A1F3-WP



Function With condensate drain manual rotary



With condensate drain fully automatic



- On-off valve MS...-EM1 manually actuated
- Filter regulator MS...-LFR-D7
- Mounting bracket MS...-WP

Flow rate

950 ... 5,100 l/min

Temperature range

−10 ... +60 °C

Pressure

range 0.5 ... 12 bar



- 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 12				
Pressure indicator	With pressure gauge				

Standard nominal flow rate qnN [l/min]						
Size		MSB4	MSB6			
Grade of filtration	5 μm	950	4,800			
	40 μm	1,000 / 1,700	5,100			



Technical data – Combination 4

Operating and environmen	ntal condition	IS							
Condensate drain		Manual rotary		Fully automatic	Fully automatic				
Size		MSB4	MSB6	MSB4	MSB6				
Operating pressure	[bar]	0.8 14	0.8 18	2 12	2 12				
Operating medium		Compressed air in a	ccordance with ISO 8573-1:20)10 [7:4:4]	·				
		Inert gases							
Note on operating/pilot me	dium	Operation with lubri	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	+5 +60				
Storage temperature	[°C]	-10 +60		-10 +60					
Corrosion resistance	CRC ¹⁾	2							

¹⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

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

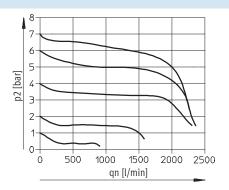
Note

Materials → Technical data of the individual devices

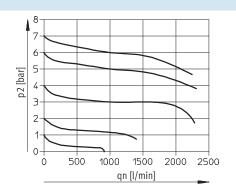
Standard flow rate qn as a function of output pressure p2

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

Primary pressure p1 = 10 bar

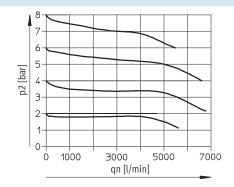


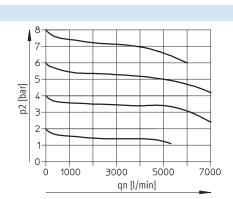
Grade of filtration 40 µm



MSB6-1/2

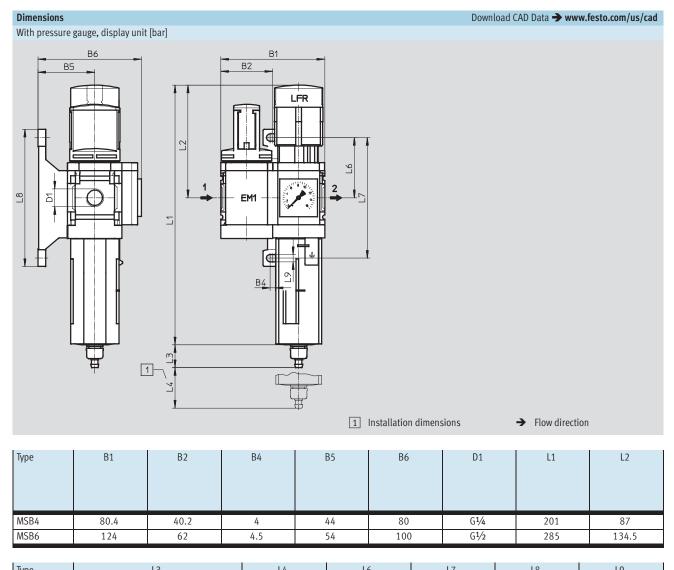
Primary pressure p1 = 10 bar







25



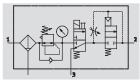
type	L)		L4	LO	L/	Lo	L9
	Condensate drain						
	manual rotary	fully automatic					
MSB4	17.7	20.4	25	46.5	93.2	106	5.6
MSB6	15.8	18.5	68	71	142	158	6.6

Ordering da	ata				
Pressure reg	gulation range 0.5 12	bar			
Size	Condensate drain	Connection	Grade of f	ltration 5 µm	Grade of filtration 40 μm
			Part No.	Туре	Part No. Type
Plastic bowl	l guard				
MSB4	manual rotary	G1/4	542304	MSB4-1/4:C3J3-WP	542292 MSB4- ¹ / ₄ :C3J1-WP
		G1/4	-	-	8025354 MSB4-1/4:C3J1-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	542268 MSB6-½:C3J1-WP
		G ¹ / ₂	-	_	8025355 MSB6-½:C3J1-WP
	fully automatic	G½	542286	MSB6-1/2:C3J4-WP	542274 MSB6-½:C3J2-WP

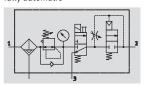


Technical data – Combination 5

Function With condensate drain manual rotary



With condensate drain fully automatic



- Filter regulator MS...-LFR-D7
- On-off valve MS...-EE-10V24 or MS...-EE-V24 solenoid actuated
- Soft-start valve MS...-DL pneumatically actuated
- Mounting bracket MS...-WP

Flow rate

700 ... 3,100 l/min

Temperature range

−10 ... +60 °C

Pressure

range 4 ... 12 bar



- 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	G1/4	G½			
Regulating function		Output pressure constant, with primary pressu	re compensation, 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:-] (grade of filtration 5 µm)				
		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 9 (with on-off valve MSEE-10V24)				
[bar]		4 12 (with on-off valve MSEE-V24)				
Pressure indicator		With pressure gauge				
Coil characteristics		24 V DC	24 V DC: 2,5 W (pressure regulation range 4 9 bar)			
			24 V DC: 1,5 W (pressure regulation range 4 12 bar)			

Standard nominal flow rate qnN [l/min]						
Size		MSB4	MSB6			
Grade of filtration	5 μm	700	3,000			
	40 µm	750	3,100			



Technical data - Combination 5

Operating and environmen	ital condition	S							
		Pressure regu	lation range 4	. 9 bar		Pressure regul	ation range 4	. 12 bar	
Condensate drain		Manual rotary	1	Fully automatic		Manual rotary		Fully automatic	
Size		MSB4	MSB6	MSB4	MSB6	MSB4	MSB6	MSB4	MSB6
Operating pressure	[bar]	4.5 10	4.5 10	4.5 10	4.5 10	4.5 14	4.5 18	4.5 12	4.5 12
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [-:4:-] Inert gases		Compressed air in accordance with ISO 8573-1:2010 [7:4:-]		Compressed air in accordance with ISO 8573-1:2010 [-:4:-]		Compressed air in accordance with ISO 8573-1:2010 [7:4:–]	
Note on operating/pilot me	dium	Operation with lubricated medium possible (in which case lubricated operation will always be required)							
Ambient temperature	[°C]	-10 +50		+5 +50		-10 +60		+5 +60	
Temperature of medium	[°C]	-10 +50) +50 +5 +50			-10 +60		+5 +60	
Storage temperature	[°C]	-10 +60		-10 +60		-10 +60		-10 +60	
Corrosion resistance	CRC ¹⁾	2	2						

¹⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

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

Note

Materials → Technical data of the individual devices

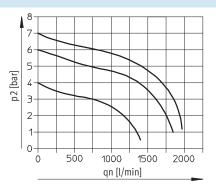
Standard flow rate qn as a function of output pressure p2

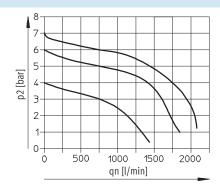
Pressure regulation range 4 ... 9 bar / 4 ... 12 bar MSB4-1/4 Grade of filtration 5 μm

Grade of filtration 40 μm

Primary pressure p1 = 10 bar

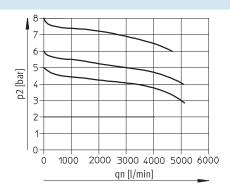


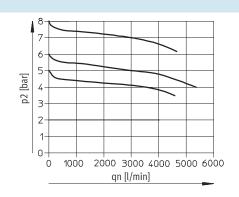




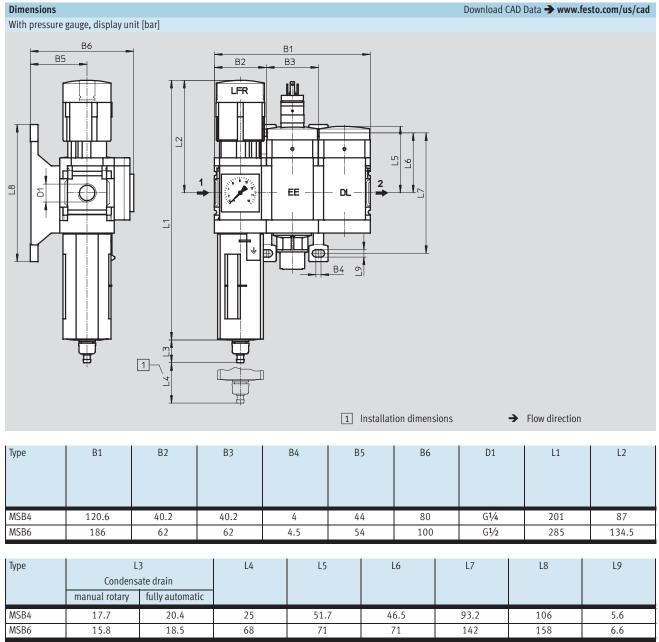
MSB6-1/2

Primary pressure p1 = 10 bar











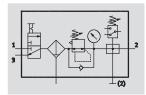
Ordering data	1					
J	lation range 4 9 bar					
Size	Condensate drain	Connection	Grade of filtration 5 µm			Grade of filtration 40 μm
			Part No.	Туре		Part No. Type
Plastic bowl g	uard					
MSB4	manual rotary	G1/4	542631	MSB4-1/4:J3D7A1-WP		542627 MSB4-1/4:J1D7A1-WP
	fully automatic	G1/4	542633	MSB4-1/4:J4D7A1-WP		542629 MSB4-1/4:J2D7A1-WP
MSB6	manual rotary	G ¹ / ₂	542647	MSB6-1/2:J3D7A1-WP		542643 MSB6-½:J1D7A1-WP
	fully automatic	G ¹ / ₂	542649	MSB6-1/2:J4D7A1-WP		542645 MSB6-½:J2D7A1-WP

Ordering data								
Pressure regul	ation range 4 12 bar							
Size	Condensate drain	Connection	Grade of filtration 5 µm			Grade of filtra	tion 40 µm	
			Part No.	Туре		Part No. Ty	pe	
Plastic bowl go	ıard							
MSB4	manual rotary	G1/4	531105	MSB4-1/4:J3D1A1-WP		531101 M	SB4- ¹ / ₄ :J1D1A1-WP	
	fully automatic	G1/4	531107	MSB4-1/4:J4D1A1-WP		531103 M	SB4-1/4:J2D1A1-WP	
MSB6	manual rotary	G ¹ / ₂	530226	MSB6-1/2:J3D1A1-WP		530222 M	SB6-½:J1D1A1-WP	
	fully automatic	G ¹ / ₂	530228	MSB6-1/2:J4D1A1-WP		530224 M	SB6-½:J2D1A1-WP	

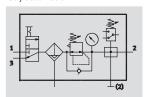
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Technical data – Combination 6

Function With condensate drain, manual rotary



With condensate drain, fully automatic



- Manually operated on-off valve MS...-EM1
- Filter regulator MS...-LFR-D7 with pressure gauge

Flow rate

1,250 ... 4,500 l/min

Temperature range

−10 ... +60 °C

Pressure

0.5 ... 12 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
- 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		G½					
Regulator function	Output pressure constant, wit	h primary pressure compensati	on, with return flow, with secon	idary venting				
Type of mounting	Via accessories							
Mounting position	Vertical ±5°							
Grade of filtration [µm]	5	-	5	-				
	40	40	40	40				
Air purity class at the output	Compressed air according to	-	Compressed air according to	-				
	ISO 8573-1:2010 [6:4:4]		ISO 8573-1:2010 [6:4:4]					
	(grade of filtration 5 μm)		(grade of filtration 5 μm)					
	Compressed air according to	Compressed air according to	Compressed air according to	Compressed air according to				
	ISO 8573-1:2010 [7:4:4]	ISO 8573-1:2010 [7:4:4]	ISO 8573-1:2010 [7:4:4]	ISO 8573-1:2010 [7:4:4]				
	(grade of filtration 40 µm)	(grade of filtration 40 μm)	(grade of filtration 40 μm)	(grade of filtration 40 μm)				
Bowl guard	Plastic bowl guard		•	•				
Condensate drain	Manual rotary	Manual rotary	Manual rotary	Manual rotary				
	Fully automatic	Fully automatic – Fully automatic		-				
Actuation security	Rotary knob with detent, can be locked using accessories							
Pressure regulation range [bar]	0.5 12	0.5 10	0.5 12	0.5 10				
Pressure indication	Via pressure gauge for display	Via pressure gauge for displaying output pressure						

Standard nominal flow rate qnN [l/min]							
Size		MSB4		MSB6			
Branching module with		Pressure switch	Pressure sensor	Pressure switch	Pressure sensor		
Grade of filtration	5 μm	1,250	-	4,400	-		
	40 μm	1,300	1,600	4,500	4,500		

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Technical data - Combination 6

Operating and environment	al conditions	i						
Condensate drain	Condensate drain					Fully automatic		
Size		MSB4		MSB6		MSB4	MSB6	
Branching module with		Pressure	Pressure	Pressure	Pressure	MSB4	MSB6	
		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	(in which case	lubricated oper	ration will always be required)		
pilot medium								
Ambient temperature	[°C]	-10 +60	0 +50	-10 +60	0 +50	+5 +60		
Temperature of medium	[°C]	-10 +60	5 +60	-10 +60	5 +60	+5 +60		
Storage temperature	[°C]	-10 +60		•	•	-10 +60		
Corrosion resistance class	CRC ¹⁾	2						

¹⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

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

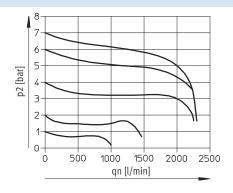
Note

Materials → Technical data of the individual devices

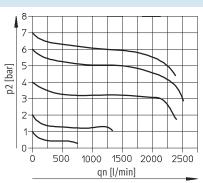
Standard flow rate qn as a function of output pressure p2

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

Primary pressure p1 = 10 bar

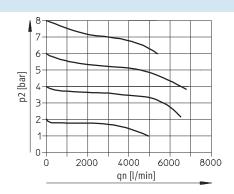


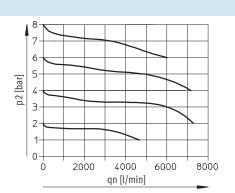




MSB6-1/2

Primary pressure p1 = 10 bar



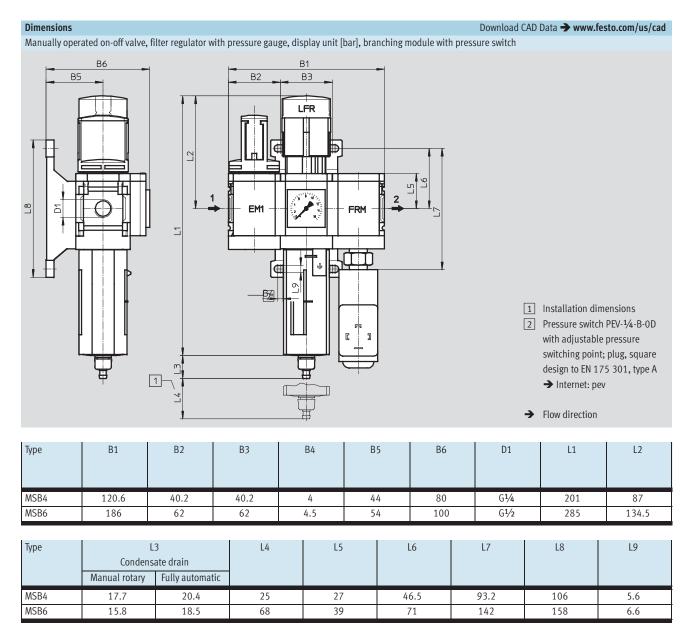


New MSB...-C3J1F12

Service unit combinations MSB4/MSB6, MS series

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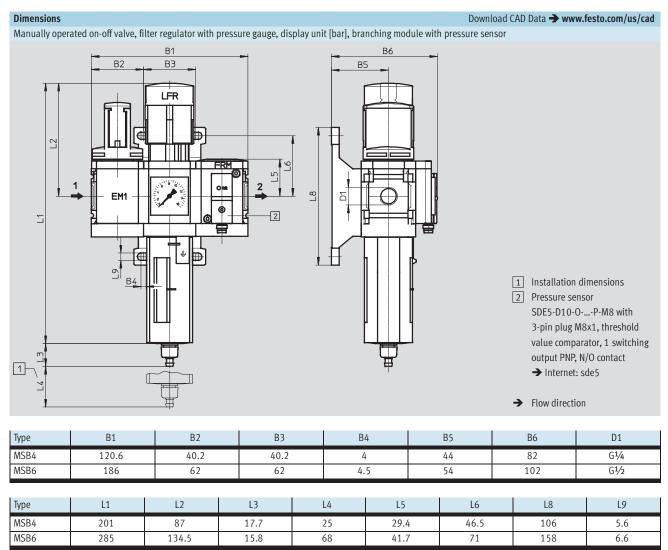
Technical data – Combination 6





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Technical data – Combination 6

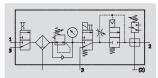


Ordering d	lata						
Size	Condensate drain	Connection	Grade of f	iltration 5 μm	Grade of fi	ltration 40 µm	
			Part No.	Туре	Part No.	Туре	
Branching	module with pressure sw	vitch					
MSB4	Manual rotary	G1/4	542306	MSB4-1/4:C3J3F3-WP	542294	MSB4-1/4:C3J1F3-WP	
	Fully automatic	G1/4	542312	MSB4-1/4:C3J4F3-WP	542300	MSB4-1/4:C3J2F3-WP	
MSB6	Manual rotary	G ¹ / ₂	542282	MSB6-1/2:C3J3F3-WP	542270	MSB6-1/2:C3J1F3-WP	
	Fully automatic	G ¹ / ₂	542288	MSB6-1/2:C3J4F3-WP	542276	MSB6-1/2:C3J2F3-WP	
Branching	module with pressure se	nsor					
MSB4	Manual rotary	G1/4	-	-	8025356	MSB4-1/4:C3J1F12-WP	.0.
MSB6	Manual rotary	G ¹ / ₂	-	-	8025357	MSB6-1/2:C3J1F12-WP	.0.

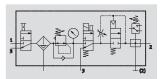


Technical data – Combination 7

Function With condensate drain manual rotary



With condensate drain fully automatic



- On-off valve MS...-EM1 manually actuated
- MS...-EE-V24

Flow rate

700 ... 3,100 l/min

Temperature range

−10 ... +60 °C

Pressure

range 4 ... 12 bar



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

- Filter regulator MS...-LFR-D7
- On-off valve MS...-EE-10V24 or
 - solenoid actuated
- Soft-start valve MS...-DL pneumatically actuated
- Branching module MS...-FRM-Y with pressure switch without display
- Mounting bracket MS...-WP

General technical data						
Size		MSB4	MSB6			
Pneumatic connection 1, 2, 3	3	G1/4	G½			
Regulating function		Output pressure constant, with primary pressure co	mpensation, 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 9 (with on-off valve MSEE-10V24)				
	[bar]	4 12 (with on-off valve MSEE-V24)				
Pressure indicator		With pressure gauge				
Coil characteristics		24 V DC	24 V DC: 2,5 W (pressure regulation range 4 9 bar)			
			24 V DC: 1,5 W (pressure regulation range 4 12 bar)			

Standard nominal flow rate qnN [l/min]						
Size		MSB4	MSB6			
Grade of filtration	5 μm	700	3,000			
	40 μm	750	3,100			



Technical data – Combination 7

Operating and environmental conditions									
	Pressure regul	lation range 4	. 9 bar		Pressure regul	Pressure regulation range 4 12 bar			
Condensate drain		Manual rotary		Fully automatic		Manual rotary		Fully automatic	
Size		MSB4	MSB6	MSB4	MSB6	MSB4	MSB6	MSB4	MSB6
Operating pressure	[bar]	4.5 10	4.5 10	4.5 10	4.5 10	4.5 14	4.5 18	4.5 12	4.5 12
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 +50		+5 +50		-10 +60		+5 +60	
Temperature of medium	[°C]	-10 +50		+5 +50		-10 +60		+5 +60	
Storage temperature	[°C]	-10 +60		-10 +60		-10 +60		-10 +60	
Corrosion resistance	CRC ¹⁾	2							•

Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Weights [g]		
Size	MSB4	MSB6
Service unit combination	2,200	3,500

Note

Materials → Technical data of the individual devices

Standard flow rate qn as a function of output pressure p2

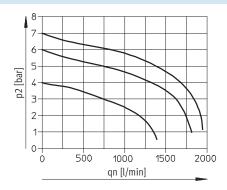
Pressure regulation range 4 ... 9 bar / 4 ... 12 bar

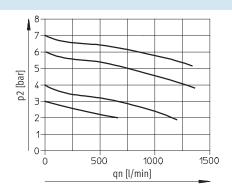
Grade of filtration 5 µm

Grade of filtration 40 µm

MSB4-1/4

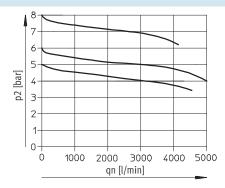
Primary pressure p1 = 10 bar

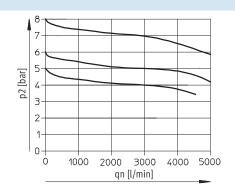




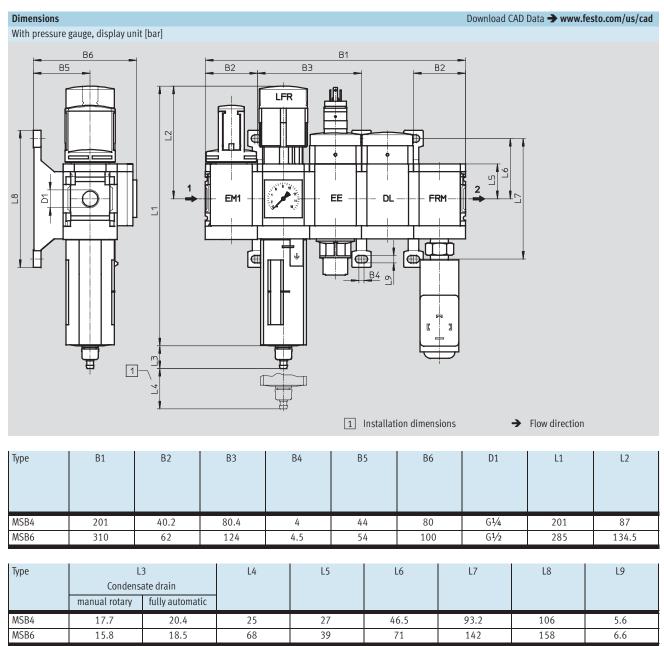
MSB6-1/2

Primary pressure p1 = 10 bar









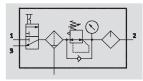


Ordering data						
J	ation range 4 9 bar					
Size	Size Condensate drain Connection Grade of filtration 5 µm Grade of filtration 40 µm				Grade of filtration 40 μm	
			Part No.	Туре		Part No. Type
Plastic bowl g	uard					
MSB4	manual rotary	G1/4	542623	MSB4-1/4:C3J3D7A1F3-WP		542618 MSB4- ¹ / ₄ :C3J1D7A1F3-WP
	fully automatic	G1/4	542625	MSB4-1/4:C3J4D7A1F3-WP		542621 MSB4- ¹ / ₄ :C3J2D7A1F3-WP
MSB6	manual rotary	G ¹ / ₂	542639	MSB6-1/2:C3J3D7A1F3-WP		542635 MSB6-½:C3J1D7A1F3-WP
	fully automatic	G ¹ / ₂	542641	MSB6-1/2:C3J4D7A1F3-WP		542637 MSB6-½:C3J2D7A1F3-WP

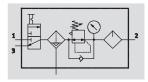
Ordering data							
Pressure regul	ation range 4 12 bar						
Size	Size Condensate drain Connection Grade of filtration 5 µm Grade of filtration 40 µm						
			Part No.	Туре		Part No. Type	
Plastic bowl gr	ıard						
MSB4	manual rotary	G1/4	542305	MSB4-1/4:C3J3D1A1F3-WP		542293 MSB4-1/4:C3J	1D1A1F3-WP
	fully automatic	G1/4	542311	MSB4-1/4:C3J4D1A1F3-WP		542299 MSB4-1/4:C3J	2D1A1F3-WP
MSB6	manual rotary	G ¹ / ₂	542281	MSB6-1/2:C3J3D1A1F3-WP		542269 MSB6-½:C3J	1D1A1F3-WP
	fully automatic	G ¹ / ₂	542287	MSB6-1/2:C3J4D1A1F3-WP		542275 MSB6-½:C3J	2D1A1F3-WP



Function With condensate drain manual rotary



With condensate drain fully automatic



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

Flow rate

700 ... 3,100 l/min

Temperature range

−10 ... +60 °C

Pressure

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 compensation	on, with return flow function, with secondary venting		
Type of mounting		Via accessories			
Assembly position		Vertical ±5°			
Grade of filtration [µ	ım]	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 [b	oar]	1 12			
Pressure indicator		With pressure gauge			

Standard nominal flow rate of	ınN [l/min]		
Size		MSB4	MSB6
Grade of filtration	5 μm	700	3,000
	40 μm	750	3,100



Technical data – Combination 8

Operating and environment	tal conditions	s				
Condensate drain		Manual rotary		Fully a	Fully automatic	
Size		MSB4	MSB6	MSB4		MSB6
Operating pressure	[bar]	1.5 14	1.5 18	2 12	2	2 12
Operating medium		Compressed air in a	ccordance with ISO 8573-1:	2010 [7:4:4]		•
		Inert gases				
Note on operating/pilot med	dium	Operation with lubr	icated medium possible (in v	vhich case lubricated	d operation will alw	ays 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 2 according to Festo standard 940 070
 Components requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

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

Note

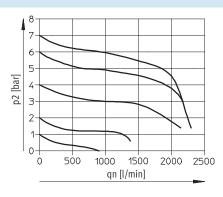
Materials → Technical data of the individual devices

Standard flow rate qn as a function of output pressure p2

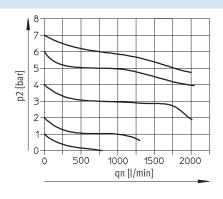
Pressure regulation range 1 ... 12 bar

MSB4-1/4
Primary pressure p1 = 10 bar

Grade of filtration 5 μm

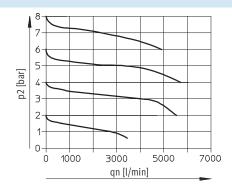


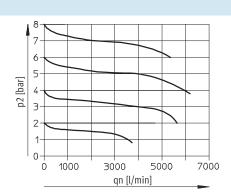
Grade of filtration 40 µm



MSB6-1/2

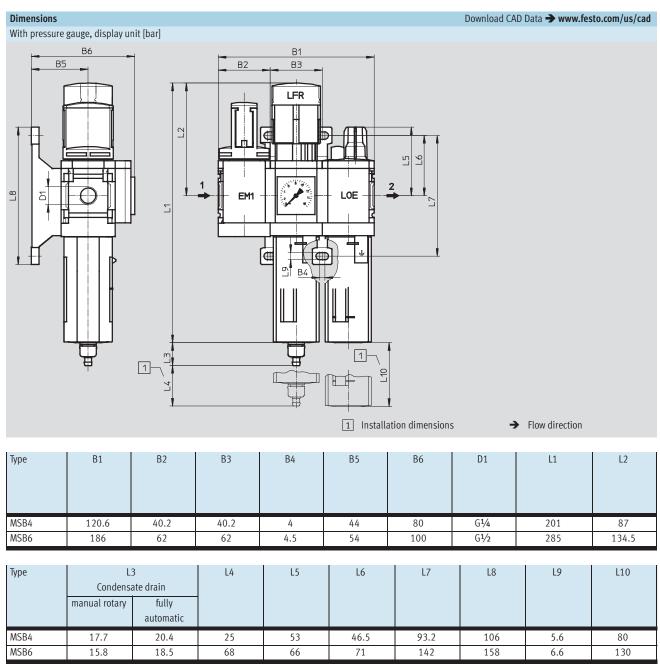
Primary pressure p1 = 10 bar







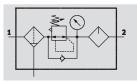
Technical data – Combination 8



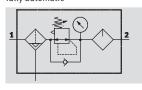
Ordering d	lata			
Pressure re	egulation range 1 12 ba	ar		
Size Condensate drain Connection Grade of filtration 5 μm Grade of filtration 40 μm				Grade of filtration 40 µm
			Part No. Type	Part No. Type
Plastic boy	wl guard			
MSB4	manual rotary	G1/4	542308 MSB4-1/4:C3J3M1-WP	542296 MSB4-1/4:C3J1M1-WP
	fully automatic	G1/4	542314 MSB4-1/4:C3J4M1-WP	542302 MSB4- ¹ / ₄ :C3J2M1-WP
MSB6	manual rotary	G ¹ / ₂	542284 MSB6-1/2:C3J3M1-WP	542272 MSB6-1/2:C3J1M1-WP
	fully automatic	G1/2	542290 MSB6-½:C3J4M1-WP	542278 MSB6-1/2:C3J2M1-WP



Function With condensate drain manual rotary



With condensate drain fully automatic



- Filter MS...-LF
- Pressure regulator MS...-LR
- Lubricator MS...-LOE
- Mounting bracket MS...-WP

Flow rate

700 ... 4,700 l/min

Temperature range

−10 ... +60 °C

Pressure

range 1 ... 12 bar



• For filtered and lubricated compressed air

• Output pressure is infinitely adjustable within the pressure regulation range

General technical data					
Size		MSB4	MSB6		
Pneumatic connection 1, 2		G ¹ / ₄	G ¹ / ₂		
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:-] (grade of filtration 5 µm)			
		Compressed air in accordance with ISO 8573-1:2010 [7:4:-] (grade of filtration 40 µm)			
Bowl guard		Plastic bowl guard			
		Integrated as metal bowl			
Condensate drain		Manual rotary			
		Fully automatic			
Actuator lock		Rotary knob with detent, lockable with accessories			
Pressure regulation N2 [bar]	17			
range N3 [bar]	1 12			
Pressure indicator		With pressure gauge			

Standard nominal flow rate qu	nN [l/min]		
Size		MSB4	MSB6
N2 – Pressure regulation rang	e 1 7 bar		
Grade of filtration	40 μm	1,300	4,700
N3 – Pressure regulation rang	e 1 12 ba	ır	
Grade of filtration	5 μm	700	3,500
	40 µm	800	3,500



Technical data – Combination 9

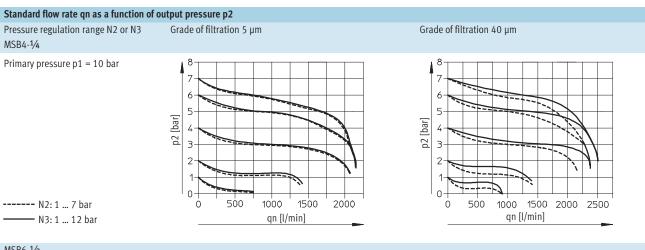
Operating and environmenta	l condition	S					
Condensate drain		Manual rotary		Fully automatic	Fully automatic		
Size		MSB4	MSB6	MSB4	MSB6		
Operating pressure	[bar]	1.5 14	1.5 18	2 12	2 12		
Operating medium		Compressed air in accordance with ISO 8573-1:2010		Compressed air in accordance	Compressed air in accordance with ISO 8573-1:2010		
		[-:4:-]		[7:4:-]			
		Inert gases					
Note on operating/pilot medi	um	Operation with lubricated me	dium 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		-10 +60		
Corrosion resistance	CRC ¹⁾	2		•			

Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Weights [g]		
Size	MSB4	MSB6
Service unit combination		
With plastic bowl guard	1,000	2,000
With metal bowl	-	2,400
Mounting bracket	40	76

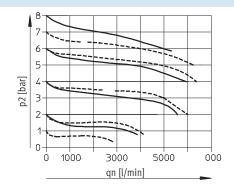
Note

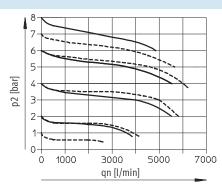
Materials → Technical data of the individual devices





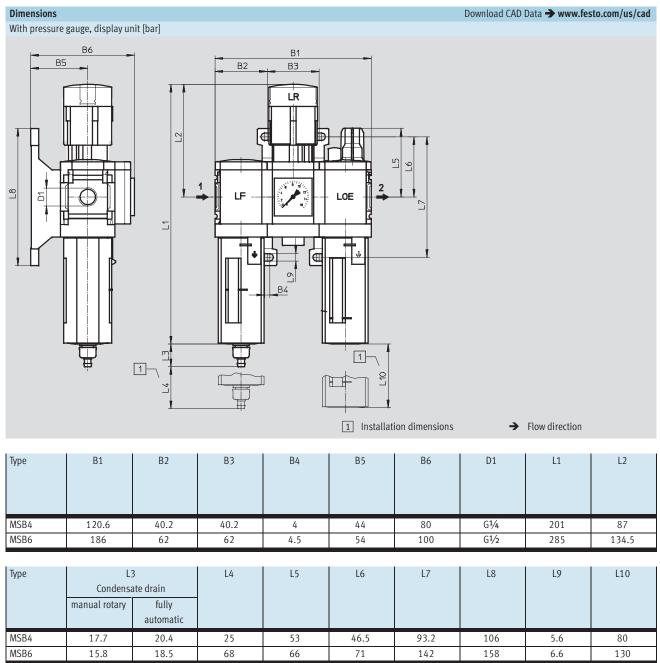
Primary pressure p1 = 10 bar





----- N2: 1 ... 7 bar - N3: 1 ... 12 bar







Ordering d	ata			
Pressure re	egulation range 1 7 bar			
Size Condensate drain Connection			Grade of fi	filtration 40 µm
			Part No.	Туре
Plastic bov	vl guard			
MSB4	manual rotary	G1/4	531091	MSB4-1/4:H2N2M1-WP
	fully automatic	G1/4	531085	MSB4-1/4:H1N2M1-WP
MSB6	manual rotary	G½	530212	MSB6-1/2:H2N2M1-WP
ı	fully automatic	G1/2	530206	MSB6-½:H1N2M1-WP

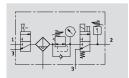
Ordering o	data					
Pressure r	egulation range 1 12 ba	ar				
Size	Condensate drain	Connection	Grade of filtration 5 µm		Grade of fi	iltration 40 μm
			Part No.	Туре	Part No.	Туре
Plastic boy	wl guard					
MSB4	manual rotary	G1/4	531097	MSB4-1/4:H3N3M1-WP	531093	MSB4-1/4:H2N3M1-WP
	fully automatic	G1/4	531099	MSB4-1/4:H4N3M1-WP	531087	MSB4-1/4:H1N3M1-WP
MSB6	manual rotary	G1/2	530218	MSB6-1/2:H3N3M1-WP	530214	MSB6-1/2:H2N3M1-WP
	fully automatic	G ¹ / ₂	530220	MSB6-1/2:H4N3M1-WP	530208	MSB6-1/2:H1N3M1-WP
Metal bow	<i>l</i> l					
MSB4	manual rotary	G1/4	-		531095	MSB4-1/4:H8N3M2-WP
	fully automatic	G1/4	-		531089	MSB4-1/4:H7N3M2-WP
MSB6	manual rotary	G1/2	-		530216	MSB6-1/2:H8N3M2-WP
	fully automatic	G1/2	_		530210	MSB6-1/2:H7N3M2-WP



FESTO

Technical data – Combination 10

Function
With condensate drain,
manual rotary



- Manually operated on-off valve MS...-EM1
- Filter regulator MS...-LFR-D7
- 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

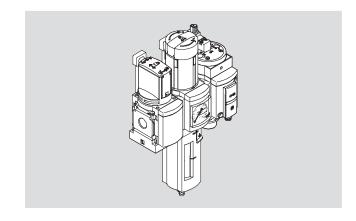
1,400 ... 4,000 l/min

Temperature range

−10 ... +60 °C

Pressure

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	G½		
Regulator function	Output pressure constant, with primary pressure compensation, 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 10			
Pressure indication	Via pressure sensor for displaying output pressure via operat	ional status indicator and electrical output		
	Via pressure gauge for displaying output pressure			

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		



FESTO

Standard nominal flow rate qnN [l/min]					
Size	MSB4	MSB6			
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 mediu	ım	Lubricated operation possible (in which case lubricated operation will always be required)				
Ambient temperature	[°C]	0 +60				
Temperature of medium	[°C]	+5 +60				
Storage temperature	[°C]	-10 +60				
Corrosion resistance class	CRC ¹⁾	2				

¹⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

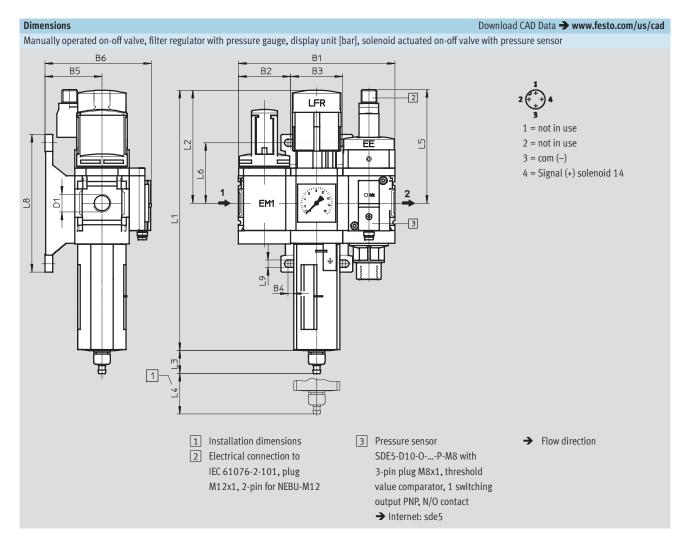
Weight [g]	Weight [g]					
Size	MSB4	MSB6				
Service unit combination	1,600	2,000				
Mounting bracket	40					

Note

Materials → Technical data of the individual devices

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Technical data – Combination 10



Туре	B1	B2	В3	B4	B5	B6	D1
MSB4	120.6	40.2	40.2	4	44	82	G1⁄4
MSB6	186	62	62	4.5	54	102	G1/2

Туре	L1	L2	L3	L4	L5	L6	L8	L9
MSB4	201	87	17.7	25	86.3	46.5	106	5.6
MSB6	285	134.5	15.8	68	104	71	158	6.6

Ordering data						
Size	Condensate drain	Connection	Grade of filtration 40 µm			
			Part No. Type			
MSB4	Manual rotary	G1/4	8025358 MSB4- ¹ / ₄ :C3J1D14-WP			
MSB6	Manual rotary	G ¹ / ₂	8025359 MSB6-½:C3J1D14-WP			

Service unit combinations MSB, MS series Accessories



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Ordering data - S	ilencer U			Technical data → Internet: u
	Description	Pneumatic connection	Part No.	Туре
	for MS4-EM1/EE	G1⁄4	6842	U-1/4-B
	for MS6-EM1/EE	G1/2	6844	U-1/2-B

Ordering data - A	Angled socket PEV	Technical data → Internet: pev				
	Description	Operating voltage range	Electrical connection	Switching status display	Part No.	Туре
	for PEV-1/4OD	15 30 V DC	4-pin	Yellow LED	164274	PEV-1/4-WD-LED-24
1 8 3	101 1 EV /4 OD	17 JU V DC	4-piii	Tellow LED	1042/4	PEV-74-WU-LEU-24

Ordering data -	- Plug socket MSSD					Technical data → Internet: mssd
	Description	Operating voltage range	Electrical connection	Type of mounting cable connection	Part No.	Туре
(C)	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	192745	MSSD-EB-S-M14
				displacement		
				technology		

Ordering data - P	ering data – Plug socket with cable KMEB					Technical data → Internet: kmeb	
	Description	Operating	Electrical	Switching	Cable length	Part No.	Туре
		voltage range	connection	status display	[m]		
//	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
Jane 1				-	2.5	547270	KMEB-3-24-2,5
					5	547271	KMEB-3-24-5
		3-pin	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: me		
	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		

Subject to change – 2013/05

Service unit combinations MSB, MS seriesAccessories



Ordering data – Connecting cable NEBU-M8					Technical data → Internet: nebu		
	Electrical connection	Number of wires	Cable length [m]	Part No.	Туре		
	M8x1, straight socket	3	2.5	541333	NEBU-M8G3-K-2.5-LE3		
			5	541334	NEBU-M8G3-K-5-LE3		
	M8x1, angled socket	3	2.5	541338	NEBU-M8W3-K-2.5-LE3		
			5	541341	NEBU-M8W3-K-5-LE3		

Ordering data − Connecting cable NEBU-M12 Technical data → In					
	Electrical connection	Number of wires	Cable length [m]	Part No.	Туре
	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

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