



Ten different types of pre-configured and assembled combination units are available. They consist of up to six different individual units with options for filtration grade and condensate drain (see table below). Mounting brackets are included. MS Series combination units have a high resistance to corrosion in typical industrial environments and offer high flow rates with compact components.

 Pneumatic connections: ½8 NPT, ¼ NPT (¾8 NPT with optional port plate)

• Flow rate: 19.4 ... 49.4 scfm*

• Supply pressure: 12 ... 206 psi*

• Pressure regulation range: 4.4 ... 176 psi*

• Filtration grade: 5 μm and 40 μm

* Individual combination units will vary depending on selected type and option.

Combination Units											
		MSB4N-FRC	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7	Unit 8	Unit 9
Consisting of:											
On-off valve (manually actuated)	EM1	-	-	-	•	•	-	•	-	•	-
Filter regulator with pressure gauge, lockable	LFR	-	-	•	•				•		-
Pressure regulator with pressure gauge, lockable	LR	-	-	-	-	-	-	-	-	-	•
Filter	LF	-	-	-	-	-	-	-	-	-	•
Lubricator	LOE	•	•	•	•	-	-	-	-	•	•
On-off valve (solenoid actuated)	EE	-	-	•	•	-	•	-	•	-	-
Soft-start valve (pneumatically actuated)	DL	-	-	•	•	-	•	-	•	-	-
Distribution block with pressure switch	FRM	-	•	-	•	-	-	•	•	-	-
Mounting bracket	WP	-	•	•	•	•	•	•	•	•	•
Technical data → Page		50	56	59	63	67	70	74	77	81	84

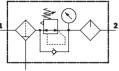
Note

Should you require a custom combination unit, please go to our online catalog at: www.festo.com/catalog/msb4n. Click on the blue basket icon mext to P/N 532306. Then open the shopping basket on the right menu and click on the configuration icon voice and now configure your combination unit.

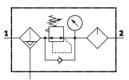


Technical Data

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

- Filter, regulator and lubricator function in a single unit
- High flow rate and highly efficient removal of contaminants
- Good regulating characteristics with minimal pressure hysteresis
- Setting values are secured by locking the rotary knob
- Lockable rotary knob
- Two pressure regulation ranges: 4.4 ... 103 psi and 7.4 ... 176 psi
- Choice of filter cartridges: 5 µm or 40 µm
- With manual or integrated, fully automatic bowl drain



General Technical Data				
Pneumatic connection 1, 2		1/8 NPT	½ NPT	
Design		Filter regulator with pressure gauge		
		Proportional standard mist lubricator		
Regulating function		With primary pressure compensation		
		With secondary venting		
		With return flow function		
		Output pressure constant		
Type of mounting		Via accessories		
Assembly position		Vertical ±5°		
Filtration grade	[µm]	5 (air purity class at the output 3.7.– to	DIN ISO 8573-1)	
		40 (air purity class at the output 5.7	to DIN ISO 8573-1)	
Bowl guard		Plastic bowl guard		
Bowl drains		Manual		
		Fully automatic		
Pressure adjustment		Rotary knob with integrated lock		
Pressure regulation range	[psi]	4.4 103		
		7.4 176		
Pressure indicator		With pressure gauge		

Pre-configured Combination Units MSB4N-FRC – Inch SeriesTechnical Data



Standard Nominal Flow Rate qnN ¹⁾ [scfm]				
Pneumatic connection		1/8 NPT	1/4 NPT	
Pressure regulation range 4.4	103 psi			
Filtration grade	5 μm	31.8	45.9	
	40 μm	33.5	49.4	
Pressure regulation range 7.4	176 psi			
Filtration grade	5 μm	28.2	30.0	
	40 μm	30.0	31.8	

¹⁾ Measured at p1 = 147 psi and p2 = 88 psi, Δ p = 15 psi.

Operating and Environmental Conditions				
Bowl drains		Manual	Fully automatic	
Supply pressure	[psi]	22 206	22 176	
Operating medium		Compressed air	·	
Ambient temperature	[°F]	14 140	41 140	
Temperature of medium	[°F]	14 140	41 140	
Storage temperature	[°F]	14 140	14 140	
Corrosion resistance	CRC ²⁾	2		

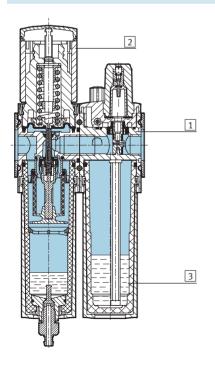
²⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Weights [lb]	
With plastic bowl guard	1.00

• For spare parts go to: www.festo.com/en/spare_parts_service

Materials

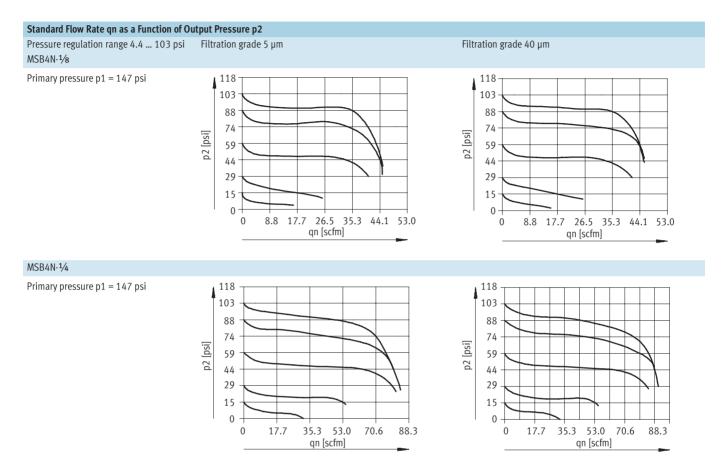
Sectional view



Serv	Service unit					
1	Body	Die-cast aluminum				
2	Regulating knob	Polyamide/polyacetate				
3	Plastic bowl guard	Polycarbonate				
-	Seals	Nitrile rubber				

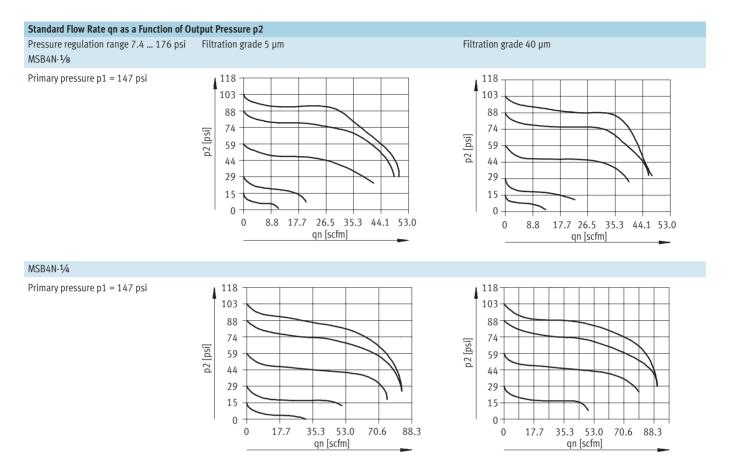


Technical Data



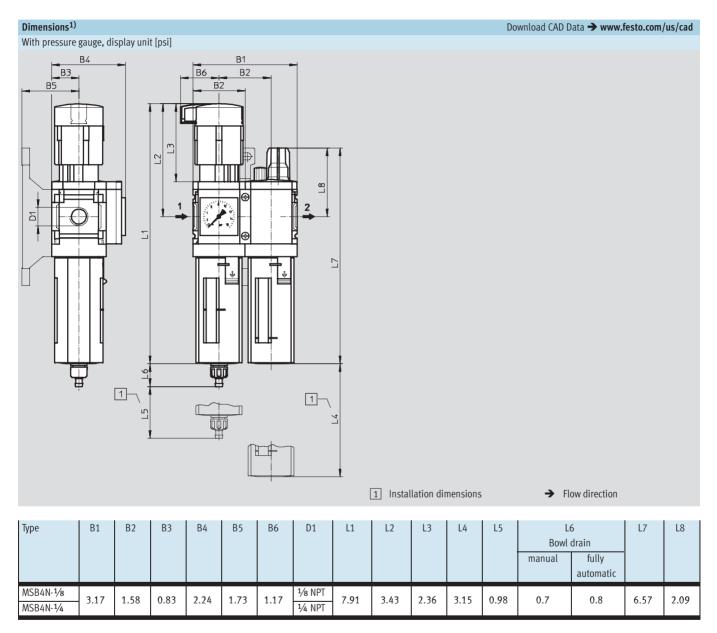


Technical Data





Dimensional Drawings



¹⁾ Dimensions are in inches, unless otherwise noted.

Pre-configured Combination Units MSB4N-FRC – Inch Series Ordering Data – Pre-configured Products



Ordering Data						
Pressure regulation rang	e 4.4 103 psi					
Bowl drain	Connection	Filtration grade 5 µm		Fi	iltration grade 40 μm	
		Part No. Type	LT	P	Part No. Type	LT
Plastic bowl guard						
Manual	1/8 NPT	533967 MSB4N-1/8-FRC3:J7M1	Q	5	33963 MSB4N-½-FRC1:J5M1	Q
	1/4 NPT	533951 MSB4N-1/4-FRC3:J7M1	Q	5	33947 MSB4N- ¹ / ₄ -FRC1:J5M1	Q
Fully automatic	1/8 NPT	533969 MSB4N-1/8-FRC4:J8M1	Q	5	33965 MSB4N-½-FRC2:J6M1	Q
	1/4 NPT	533953 MSB4N-1/4-FRC4:J8M1	Q	5	33949 MSB4N- ¹ / ₄ -FRC2:J6M1	Q

Ordering Data							
Pressure regulation ra	nge 7.4 176 psi						
Bowl drain	Connection	Filtration gr	rade 5 μm			Filtration grade 40 μm	
		Part No.	Туре	LT		Part No. Type	LT
Plastic bowl guard							
Manual	1/8 NPT	533975	MSB4N-1/8-FRC7:J3M1	1D		533971 MSB4N- ¹ / ₈ -FRC5:J1M1	1D
	1/4 NPT	533959	MSB4N-1/4-FRC7:J3M1	1W	İ	533955 MSB4N- ¹ / ₄ -FRC5:J1M1	1W
Fully automatic	1/8 NPT	533977	MSB4N-1/8-FRC8:J4M1	1D	İ	533973 MSB4N-1/8-FRC6:J2M1	1D
	1/4 NPT	533961	MSB4N-1/4-FRC8:J4M1	1W	İ	533957 MSB4N-1/4-FRC6:J2M1	1W

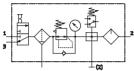
LT = Lead time 1D typically ships same day/next day 1W typically ships within 1 week **Q** request a quote for lead time

Pre-configured Combination Unit 1 – Inch Series

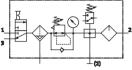
FESTO

Technical Data

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

- 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 Distribution block connections



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

General Technical Data	
Pneumatic connection 1, 2, 3	1/4 NPT
Regulating function	With primary pressure compensation
	With return flow function
	With secondary venting
	Output pressure constant
Type of mounting	Via accessories
Assembly position	Vertical ±5°
Filtration grade [µm	
	40 (air purity class at the output 5.7.– to DIN ISO 8573-1)
Bowl guard	Plastic bowl guard
Bowl drain	Manual
	Fully automatic
Pressure adjustment	Rotary knob with detent
	Lockable with accessories
Pressure regulation range [psi	15 176
Pressure indicator	With pressure gauge

Standard Nominal Flow Rate qnN [scfm]				
Filtration grade	5 μm	31.8		
	40 μm	33.5		

Pre-configured Combination Unit 1 – Inch Series



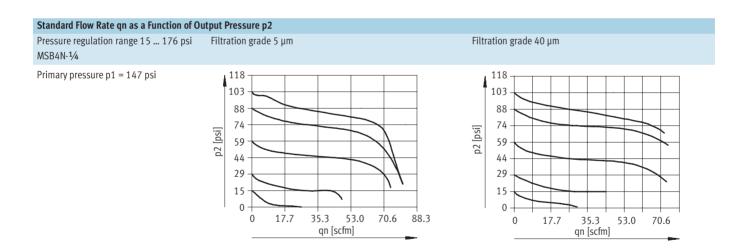
Technical Data

Operating and Environment	Operating and Environmental Conditions					
Bowl drain		Manual	Fully automatic			
Supply pressure	[psi]	22 206	22 176			
Operating medium		Filtered compressed air, lubricated or unlubricated, filtration gr	rade 40 µm			
Ambient temperature	[°F]	14 140	41 140			
Temperature of medium	[°F]	14 140	41 140			
Storage temperature	[°F]	14 140	14 140			
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.

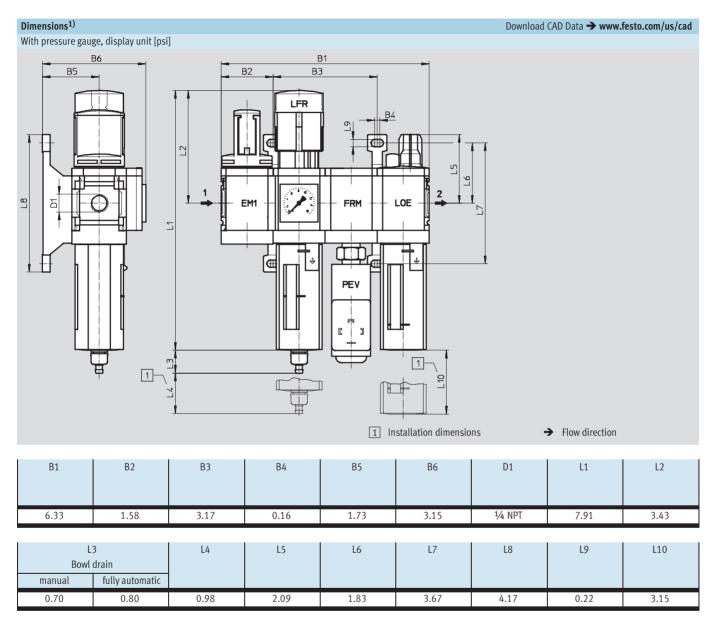
Weights [lb]	
Service unit combination	3.40
Mounting bracket	0.08

• For spare parts go to: www.festo.com/en/spare_parts_service



Pre-configured Combination Unit 1 – Inch Series Dimensional Drawings, Ordering Data – Pre-configured Products

FESTO



¹⁾ Dimensions are in inches, unless otherwise noted.

Ordering Data								
Pressure regulation range 1	Pressure regulation range 15 176 psi							
Bowl drain Connection Filtration grade 5 μm Filtration grade 40 μm								
		Part No. Type	LT		Part No. Type	LT		
Plastic bowl guard								
Manual	1/4 NPT	543561 MSB4N-1/4:C3J3F3M1-WP	Q		543549 MSB4N-1/4:C3J1F3M1-WP	Q		
Fully automatic	1/4 NPT	543567 MSB4N-1/4:C3J4F3M1-WP	Q		543555 MSB4N-1/4:C3J2F3M1-WP	Q		

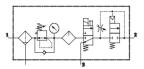
LT = Lead time 1D typically ships same day/next day **1W** typically ships within 1 week **Q** request a quote for lead time

Pre-configured Combination Unit 2 – Inch Series

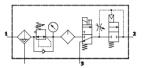
FESTO

Technical Data

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

- 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



- 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

General Technical Data		
Pneumatic connection 1, 2, 3		1/4 NPT
Regulating function		With primary pressure compensation
		With return flow function
		With secondary venting
		Output pressure constant
Type of mounting		Via accessories
Assembly position		Vertical ±5°
Filtration grade	[µm]	5 (air purity class at the output 3.7. – to DIN ISO 8573-1)
		40 (air purity class at the output 5.7.– to DIN ISO 8573-1)
Bowl guard		Plastic bowl guard
Bowl drain		Manual
		Fully automatic
Pressure adjustment		Rotary knob with detent
		Lockable with accessories
Pressure regulation range	[psi]	59 132 (with on-off valve MSEE-10V24)
	[psi]	59 176 (with on-off valve MSEE-V24)
Pressure indicator		With pressure gauge
Coil characteristics	[V DC]	12
Supply voltage	[V DC]	24

Standard Nominal Flow Rate qnN [scfm]			
Filtration grade	5 μm	19.4	
	40 μm	21.2	

Pre-configured Combination Unit 2 – Inch Series



Technical Data

Operating and Environmental Conditions							
		Pressure regulation range 59.	Pressure regulation range 59 132 psi		176 psi		
Bowl drain		Manual	Fully automatic	Manual	Fully automatic		
Supply pressure	[psi]	66 147	66 147	66 206	66 176		
Operating medium Filtered compressed air, lubricated or unlubricated,			ated or unlubricated, filtration gr	I, filtration grade 40 µm			
Ambient temperature	[°F]	14 122	41 122	14 140	41 140		
Temperature of medium	[°F]	14 122	41 122	14 140	41 140		
Storage temperature	[°F]	14 140	14 140	14 140	14 140		
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 [lb]	
Service unit combination	3.60
Mounting bracket	0.08

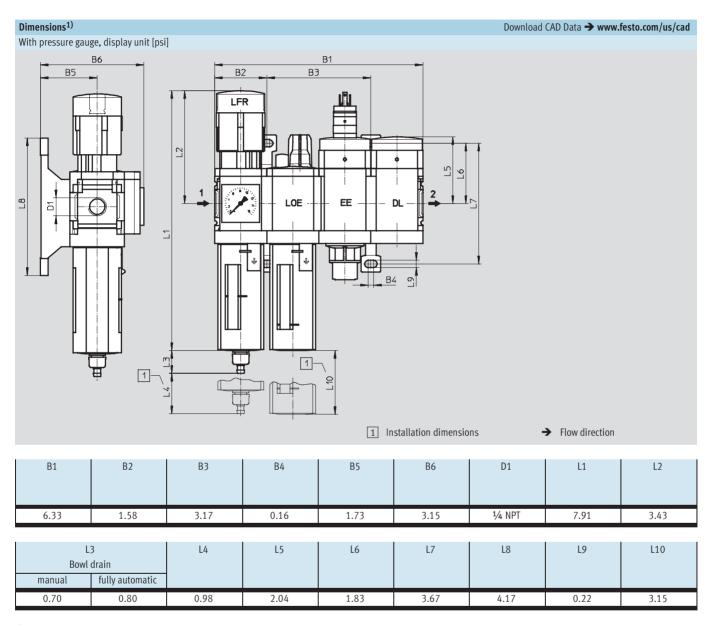
• For spare parts go to: www.festo.com/en/spare_parts_service

Standard Flow Rate qn as a Function of Output Pressure p2 Pressure regulation range Filtration grade 5 µm Filtration grade 40 µm 59 ... 132 psi / 59 ... 176 psi MSB4N-1/4 118 Primary pressure p1 = 147 psi 118 103 103 88 88 74 p2 [psi] 44 44 29 29 15 15 0 0 17.7 70.6 35.3 53.0 35.3 53.0 70.6 qn [scfm] qn [scfm]

Pre-configured Combination Unit 2 – Inch Series



Dimensional Drawings



 $^{1) \}quad \hbox{ Dimensions are in inches, unless otherwise noted.} \\$

Pre-configured Combination Unit 2 – Inch Series Ordering Data – Pre-configured Products



Ordering Data								
Pressure regulation range 5	Pressure regulation range 59 132 psi							
Bowl drain Connection Filtration grade 5 μm					Filtration grade 40 μm			
		Part No. Type	LT		Part No. Type	LT		
Plastic bowl guard								
Manual	1/4 NPT	550496 MSB4N-1/4:J3M1D7A1-WP	Q		550492 MSB4N-1/4:J1M1D7A1-WP	Q		
Fully automatic	1/4 NPT	550498 MSB4N-1/4:J4M1D7A1-WP	Q		550494 MSB4N-1/4:J2M1D7A1-WP	Q		

Ordering Data								
Pressure regulation range 5	Pressure regulation range 59 176 psi							
Bowl drain	Bowl drain Connection Filtration grade 5 μm Filtration grade 40 μm							
		Part No.	Туре	LT		Part No. Type	LT	
Plastic bowl guard								
Manual	1/4 NPT	541440	MSB4N-1/4:J3M1D1A1-WP	1W		541436 MSB4N-1/4:J1M1D1A1-WP	Q	
Fully automatic	1/4 NPT	541442	MSB4N-1/4:J4M1D1A1-WP	1W		541438 MSB4N-1/4:J2M1D1A1-WP	1W	

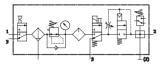
LT = Lead time 1D typically ships same day/next day **1W** typically ships within 1 week **Q** request a quote for lead time

Pre-configured Combination Unit 3 – Inch Series

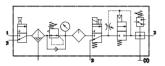
FESTO

Technical Data

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

- 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



- 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
- Soft-start valve MS...-DL pneumatically actuated
- Distribution block MS...-FRM-Y with pressure switch, without display
- Mounting bracket MS...-WP

General Technical Data		
Pneumatic connection 1, 2, 3		1/4 NPT
Regulating function		With primary pressure compensation
		With return flow function
		With secondary venting
		Output pressure constant
Type of mounting		Via accessories
Assembly position		Vertical ±5°
Filtration grade	[µm]	5 (air purity class at the output 3.7. – to DIN ISO 8573-1)
		40 (air purity class at the output 5.7.– to DIN ISO 8573-1)
Bowl guard		Plastic bowl guard
Bowl drain		Manual
		Fully automatic
Pressure adjustment		Rotary knob with detent
		Lockable with accessories
Pressure regulation range	[psi]	59 132 (with on-off valve MSEE-10V24)
	[psi]	59 176 (with on-off valve MSEE-V24)
Pressure indicator		With pressure gauge
Coil characteristics	[V DC]	12
Supply voltage	[V DC]	24

Standard Nominal Flow Rate qu	nN [scfm]	
Filtration grade	5 μm	19.4
	40 μm	21.2

Pre-configured Combination Unit 3 – Inch Series



Technical Data

Operating and Environmental Conditions							
		Pressure regulation range 59.	Pressure regulation range 59 132 psi		176 psi		
Bowl drain		Manual	Fully automatic	Manual	Fully automatic		
Supply pressure	[psi]	66 147	66 147	66 206	66 176		
Operating medium Filtered compressed air, lubricated or unlubricated,			ated or unlubricated, filtration gr	I, filtration grade 40 µm			
Ambient temperature	[°F]	14 122	41 122	14 140	41 140		
Temperature of medium	[°F]	14 122	41 122	14 140	41 140		
Storage temperature	[°F]	14 140	14 140	14 140	14 140		
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.

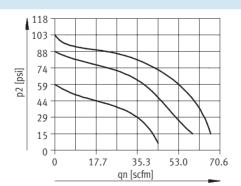
Weights [lb]	
Service unit combination	4.40
Mounting bracket	0.08

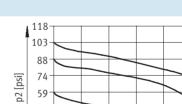
• For spare parts go to: www.festo.com/en/spare_parts_service

Standard Flow Rate qn as a Function of Output Pressure p2 Pressure regulation range Filtration grade 5 μ m 59 ... 132 psi / 59 ... 176 psi

MSB4N-1/4

Primary pressure p1 = 147 psi

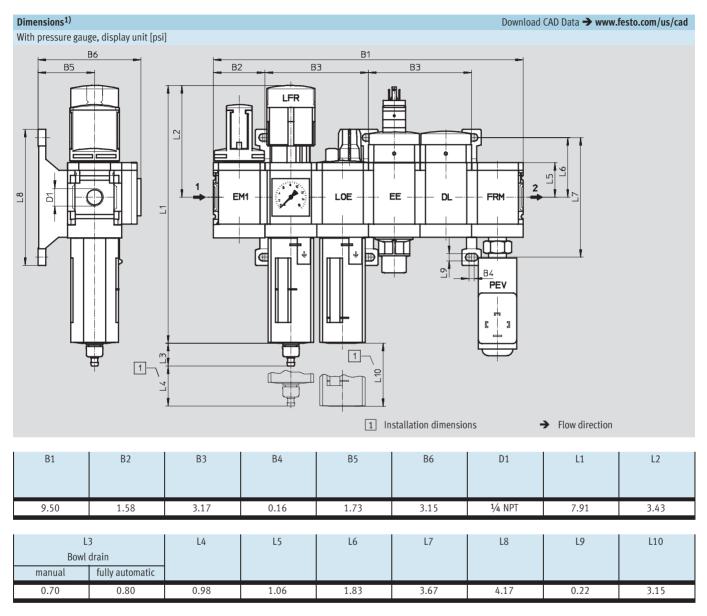




Filtration grade 40 µm

Pre-configured Combination Unit 3 – Inch Series Dimensional Drawings





¹⁾ Dimensions are in inches, unless otherwise noted.

Pre-configured Combination Unit 3 – Inch Series Ordering Data – Pre-configured Products



Ordering Data								
Pressure regulation range 5	Pressure regulation range 59 132 psi							
Bowl drain Connection Filtration grade 5 µm						Filtration 8	grade 40 µm	
		Part No.	Туре	LT		Part No.	Туре	LT
Plastic bowl guard								
Manual	½ NPT	550488	MSB4N-1/4:C3J3M1D7A1F3-WP	Q		550484	MSB4N-1/4:C3J1M1D7A1F3-WP	Q
Fully automatic	1/4 NPT	550490	MSB4N-1/4:C3J4M1D7A1F3-WP	Q		550486	MSB4N-1/4:C3J2M1D7A1F3-WP	Q

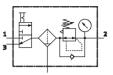
Ordering Data									
Pressure regulation range 5	Pressure regulation range 59 176 psi								
Bowl drain Connection Filtration grade 5 µm						Filtration grade 40 µm			
		Part No.	Туре	LT		Part No. Type	LT		
Plastic bowl guard									
Manual	1/4 NPT	543563	MSB4N-1/4:C3J3M1D1A1F3-WP	Q		543551 MSB4N-1/4:C3J1M1D1A1F3-WP	Q		
Fully automatic	1/4 NPT	543569	MSB4N-1/4:C3J4M1D1A1F3-WP	Q		543557 MSB4N-1/4:C3J2M1D1A1F3-WP	Q		

LT = Lead time 1D typically ships same day/next day **1W** typically ships within 1 week **Q** request a quote for lead time

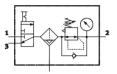
Pre-configured Combination Unit 4 – Inch SeriesTechnical Data

FESTO

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

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



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

General Technical Data						
Pneumatic connection 1, 2, 3		1/4 NPT				
Regulating function		With primary pressure compensation				
		With return flow function				
		With secondary venting				
		Output pressure constant				
Type of mounting		Via accessories				
Assembly position		Vertical ±5°				
Filtration grade	[µm]	5 (air purity class at the output 3.7.– to DIN ISO 8573-1)				
		40 (air purity class at the output 5.7.– to DIN ISO 8573-1)				
Bowl guard		Plastic bowl guard				
Bowl drain		Manual				
		Fully automatic				
Pressure adjustment		Rotary knob with detent				
		Lockable with accessories				
Pressure regulation range	[psi]	7.4 176				
Pressure indicator		With pressure gauge				

Standard Nominal Flow Rate qnN [scfm]				
Filtration grade	5 μm	33.5		
	40 μm	35.3		



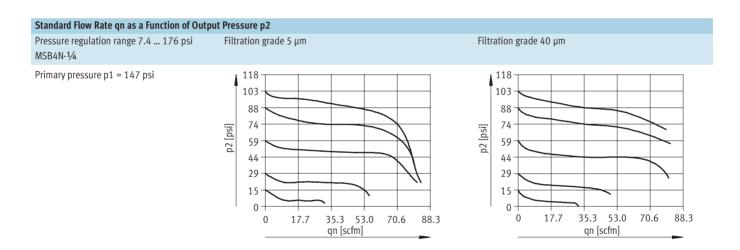
Technical Data

Operating and Environmental Conditions						
Bowl drain		Manual	Fully automatic			
Supply pressure	[psi]	12 206	22 176			
Operating medium		Filtered compressed air, lubricated or unlubricated, filtration grade 40 µm				
Ambient temperature	[°F]	14 140	41 140			
Temperature of medium	[°F]	14 140	41 140			
Storage temperature	[°F]	14 140	14 140			
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.

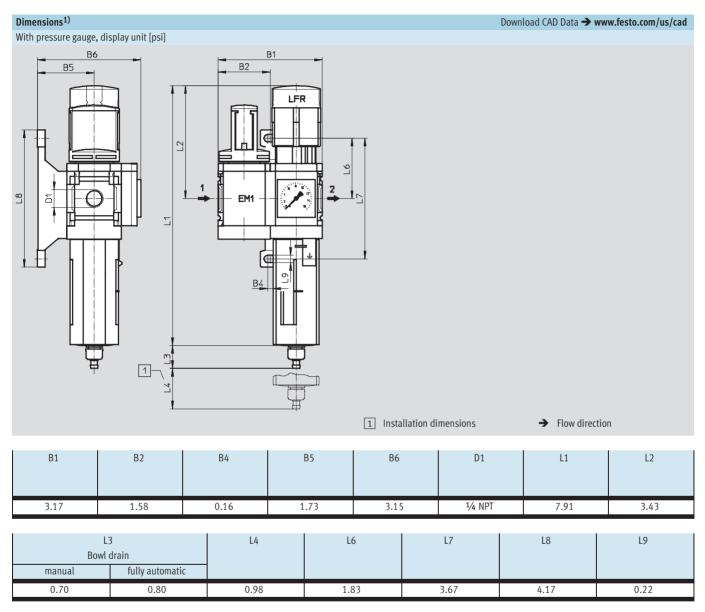
Weights [lb]	
Service unit combination	2.60
Mounting bracket	0.08

• For spare parts go to: www.festo.com/en/spare_parts_service



Pre-configured Combination Unit 4 – Inch Series Dimensional Drawings, Ordering Data – Pre-configured Products





¹⁾ Dimensions are in inches, unless otherwise noted.

Ordering Data								
Pressure regulation range 7	.4 176 psi							
Bowl drain	Connection	Filtration grade 5 µm			Filtration grade 40 µm			
		Part No. Type	LT		Part No. Type LT			
Plastic bowl guard								
Manual	1/4 NPT	543565 MSB4N-1/4:C3J3-WP	Q		543553 MSB4N-1/4:C3J1-WP Q			
Fully automatic	1/4 NPT	543571 MSB4N-1/4:C3J4-WP	Q		543559 MSB4N-1/4:C3J2-WP Q			

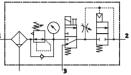
LT = Lead time	1D typically ships same day/next day	1W typically ships within 1 week	Q request a quote for lead time

Pre-configured Combination Unit 5 – Inch Series

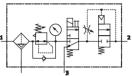
FESTO

Technical Data

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

- 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



- 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

General Technical Data							
Pneumatic connection 1, 2, 3		1/4 NPT					
Regulating function		With primary pressure compensation					
		With return flow function					
		With secondary venting					
		Output pressure constant					
Type of mounting		Via accessories					
Assembly position		Vertical ±5°					
Filtration grade	[µm]	5 (air purity class at the output 3.7.– to DIN ISO 8573-1)					
		40 (air purity class at the output 5.7. – to DIN ISO 8573-1)					
Bowl guard		Plastic bowl guard					
Bowl drain		Manual					
		Fully automatic					
Pressure adjustment		Rotary knob with detent					
		Lockable with accessories					
Pressure regulation range	[psi]	59 132 (with on-off valve MSEE-10V24)					
	[psi]	59 176 (with on-off valve MSEE-V24)					
Pressure indicator		With pressure gauge					
Coil characteristics	[V DC]	12					
Supply voltage	[V DC]	24					

Standard Nominal Flow Rate qnN [scfm]					
Filtration grade	5 μm	24.7			
	40 μm	26.5			

Pre-configured Combination Unit 5 – Inch Series



Technical Data

Operating and Environmental Conditions							
		Pressure regulation range 59 132 psi		Pressure regulation r	ange 59 176 psi		
Bowl drain		Manual	Fully automatic	Manual	Fully automatic		
Supply pressure	[psi]	66 147	66 147	66 206	66 176		
Operating medium	Operating medium Filtered compressed air, lubricated or unlubricated, filtration gr			ration grade 40 µm			
Ambient temperature	[°F]	14 122	41 122	14 140	41 140		
Temperature of medium	[°F]	14 122	41 122	14 140	41 140		
Storage temperature	[°F]	14 140	14 140	14 140	14 140		
Corrosion resistance	CRC ¹⁾	2	•	<u>.</u>	•		

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 [lb]	
Service unit combination	3.20
Mounting bracket	0.08

• For spare parts go to: www.festo.com/en/spare_parts_service

Standard Flow Rate qn as a Function of Output Pressure p2

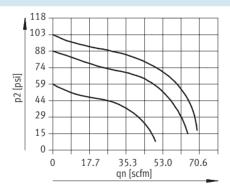
Pressure regulation range

59 ... 132 psi / 59 ... 176 psi

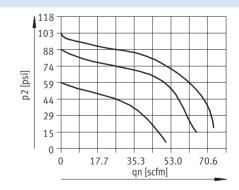
MSB4N-1/4

Primary pressure p1 = 147 psi



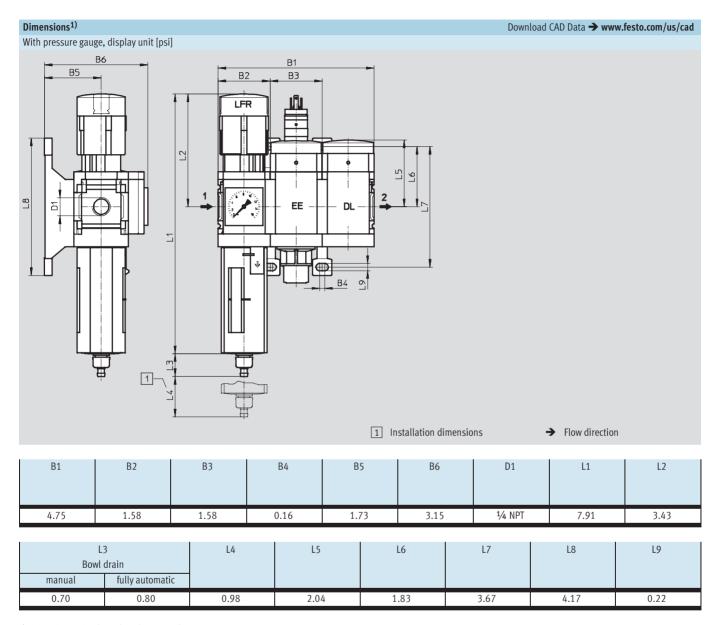


Filtration grade 40 µm



Pre-configured Combination Unit 5 – Inch Series Dimensional Drawings

FESTO



¹⁾ Dimensions are in inches, unless otherwise noted.

Pre-configured Combination Unit 5 – Inch Series Ordering Data – Pre-configured Products



Ordering Data									
Pressure regulation range 5	Pressure regulation range 59 132 psi								
Bowl drain	Connection	iltration grade 5 μm			Filtration grade 40 µm				
		Part No. Type LT			Part No. Type	LT			
Plastic bowl guard									
Manual	1/4 NPT	550495 MSB4N-1/4:J3D7A1-WP	Q		550491 MSB4N-1/4:J1D7A1-WP	Q			
Fully automatic	1/4 NPT	550497 MSB4N-1/4:J4D7A1-WP	Q		550493 MSB4N-1/4:J2D7A1-WP	Q			

Ordering Data								
Pressure regulation range 5	Pressure regulation range 59 176 psi							
Bowl drain	Connection	Filtration grade 5 µm			Filtration grade 40 µm			
		Part No. Type LT			Part No. Type	LT		
Plastic bowl guard								
Manual	1/4 NPT	541439 MSB4N-1/4:J3D1A1-WP	1W		541435 MSB4N-1/4:J1D1A1-WP	1W		
Fully automatic	1/4 NPT	541441 MSB4N-1/4:J4D1A1-WP	1W		541437 MSB4N-1/4:J2D1A1-WP	1W		

LT = Lead time 1D typically ships same day/next day **1W** typically ships within 1 week **Q** request a quote for lead time

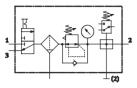
2007/10 – Subject to change – MS Series

Pre-configured Combination Unit 6 – Inch Series

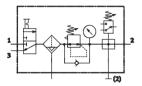
FESTO

Technical Data

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

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



- On-off valve MS...-EM1 manually actuated
- Filter regulator MS...-LFR-D7
- Distribution block MS...-FRM-Y with pressure switch, without display
- Mounting bracket MS...-WP

General Technical Data						
Pneumatic connection 1, 2, 3		1/4 NPT				
Regulating function		With primary pressure compensation				
		With return flow function				
		With secondary venting				
		Output pressure constant				
Type of mounting		Via accessories				
Assembly position		Vertical ±5°				
Filtration grade	[µm]	5 (air purity class at the output 3.7. – to DIN ISO 8573-1)				
		40 (air purity class at the output 5.7.– to DIN ISO 8573-1)				
Bowl guard		Plastic bowl guard				
Bowl drain		Manual				
		Fully automatic				
Pressure adjustment		Rotary knob with detent				
		Lockable with accessories				
Pressure regulation range	[psi]	7.4 176				
Pressure indicator		With pressure gauge				

Standard Nominal Flow Rate qnN [scfm]					
Filtration grade	5 μm	44.1			
	40 μm	45.9			

Pre-configured Combination Unit 6 – Inch Series



Technical Data

Operating and Environmental Conditions						
Bowl drain		Manual	Fully automatic			
Supply pressure	[psi]	12 206	22 176			
Operating medium		Filtered compressed air, lubricated or unlubricated, filtration grade 40 µm				
Ambient temperature	[°F]	14 140	41 140			
Temperature of medium	[°F]	14 140	41 140			
Storage temperature	[°F]	14 140	14 140			
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.

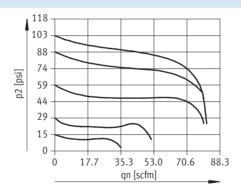
Weights [lb]				
Service unit combination	3.00			
Mounting bracket	0.08			

• For spare parts go to: www.festo.com/en/spare_parts_service

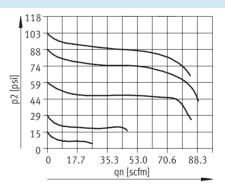
Standard Flow Rate qn as a Function of Output Pressure p2

Pressure regulation range 7.4 ... 176 psi $\,$ Filtration grade 5 μm MSB4N-1/4

Primary pressure p1 = 147 psi

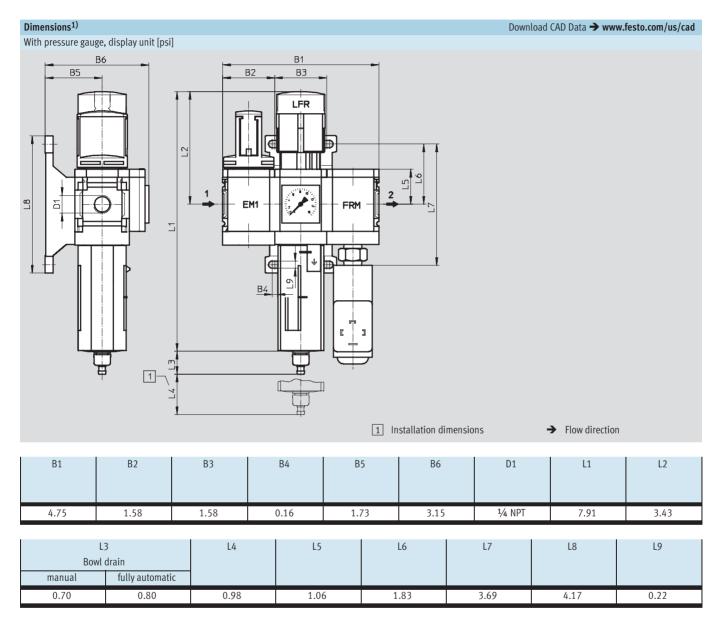


Filtration grade 40 μm



Pre-configured Combination Unit 6 – Inch Series Dimensional Drawings, Ordering Data – Pre-configured Products

FESTO



¹⁾ Dimensions are in inches, unless otherwise noted.

Ordering Data									
Pressure regulation range 7	Pressure regulation range 7.4 176 psi								
Bowl drain	Connection	Filtration grade 5 µm			Filtration grade 40 µm				
		Part No. Type LT			Part No. Type	LT			
Plastic bowl guard									
Manual	1/4 NPT	543562 MSB4N-1/4:C3J3F3-WP	Q		543550 MSB4N-1/4:C3J1F3-WP	Q			
Fully automatic	1/4 NPT	543568 MSB4N-1/4:C3J4F3-WP	Q		543556 MSB4N-1/4:C3J2F3-WP	Q			

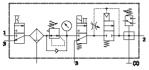
LT = Lead time 1D typically ships same day/next day 1W typically ships within 1 week **Q** request a quote for lead time

Pre-configured Combination Unit 7 – Inch Series

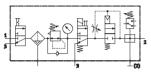
FESTO

Technical Data

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

- 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



- On-off valve MS...-EM1 manually actuated
- Filter regulator MS...-LFR-D7
- On-off valve MS...-EE-10V24 or MS...-EE-V24 solenoid actuated
- Soft-start valve MS...-DL pneumatically actuated
- Distribution block MS...-FRM-Y with pressure switch, without display
- Mounting bracket MS...-WP

General Technical Data							
Pneumatic connection 1, 2, 3		1/4 NPT					
Regulating function		With primary pressure compensation					
		With return flow function					
		With secondary venting					
		Output pressure constant					
Type of mounting		Via accessories					
Assembly position		Vertical ±5°					
Filtration grade	[µm]	5 (air purity class at the output 3.7.– to DIN ISO 8573-1)					
		40 (air purity class at the output 5.7.– to DIN ISO 8573-1)					
Bowl guard		Plastic bowl guard					
Bowl drain		Manual					
		Fully automatic					
Pressure adjustment		Rotary knob with detent					
		Lockable with accessories					
Pressure regulation range	[psi]	59 132 (with on-off valve MSEE-10V24)					
	[psi]	59 176 (with on-off valve MSEE-V24)					
Pressure indicator		With pressure gauge					
Coil characteristics	[V DC]	12					
Supply voltage	[V DC]	24					

Standard Nominal Flow Rate qnN [scfm]				
Filtration grade	5 μm	24.7		
	40 μm	26.5		

Pre-configured Combination Unit 7 – Inch Series



Technical Data

Operating and Environmental Conditions								
		Pressure regulation range 59.	132 psi	Pressure regulation range 59	. 176 psi			
Bowl drain		Manual	Fully automatic	Manual	Fully automatic			
Supply pressure	[psi]	66 147	66 147	66 206	66 176			
Operating medium Filtered compressed air, lu			ricated or unlubricated, filtration grade 40 µm					
Ambient temperature	[°F]	14 122	41 122	14 140	41 140			
Temperature of medium	[°F]	14 122	41 122	14 140	41 140			
Storage temperature	[°F]	14 140	14 140	14 140	14 140			
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 [lb]	
Service unit combination	4.40
Mounting bracket	0.08

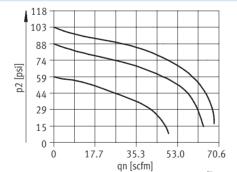
• For spare parts go to: www.festo.com/en/spare_parts_service

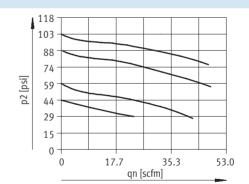
$\begin{tabular}{lll} Standard Flow Rate qn as a Function of Output Pressure p2 \\ Pressure regulation range & Filtration grade 5 $\mu m \\ \end{tabular}$

59 ... 132 psi / 59 ... 176 psi

MSB4N-1/4

Primary pressure p1 = 147 psi

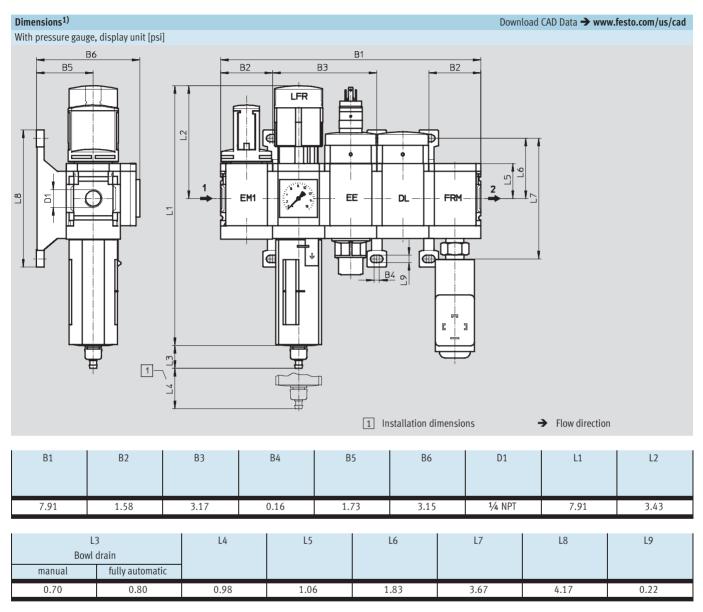




Filtration grade 40 µm

Pre-configured Combination Unit 7 – Inch Series Dimensional Drawings

FESTO



¹⁾ Dimensions are in inches, unless otherwise noted.

Pre-configured Combination Unit 7 – Inch Series Ordering Data – Pre-configured Products



Ordering Data									
Pressure regulation range !	Pressure regulation range 59 132 psi								
Bowl drain	Connection	Filtration grade 5 µm			Filtration grade 40 µm				
		Part No. Type	Part No. Type LT		Part No. Type	LT			
Plastic bowl guard									
Manual	1/4 NPT	550487 MSB4N-1/4:C3J3D7A1F3-WP	Q		550483 MSB4N- ¹ / ₄ :C3J1D7A1F3-WP	Q			
Fully automatic	1/4 NPT	550489 MSB4N-1/4:C3J4D7A1F3-WP	Q		550485 MSB4N-1/4:C3J2D7A1F3-WP	Q			

Ordering Data									
Pressure regulation range 5	Pressure regulation range 59 176 psi								
Bowl drain	Connection	Filtration g	Filtration grade 5 μm			Filtration grade 40 µm			
		Part No.	Part No. Type LT			Part No. Type	LT		
Plastic bowl guard									
Manual	1/4 NPT	543560	MSB4N-1/4:C3J3D1A1F3-WP	Q		543548 MSB4N-1/4:C3J1D1A1F3-WP	Q		
Fully automatic	1/4 NPT	543566	MSB4N-1/4:C3J4D1A1F3-WP	Q		543554 MSB4N-1/4:C3J2D1A1F3-WP	Q		

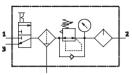
LT = Lead time 1D typically ships same day/next day **1W** typically ships within 1 week **Q** request a quote for lead time

Pre-configured Combination Unit 8 – Inch Series

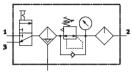
FESTO

Technical Data

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

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



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

General Technical Data		
Pneumatic connection 1, 2, 3		1/4 NPT
Regulating function		With primary pressure compensation
	•	With return flow function
	•	With secondary venting
	•	Output pressure constant
Type of mounting		Via accessories
Assembly position		Vertical ±5°
Filtration grade	[µm]	5 (air purity class at the output 3.7.– to DIN ISO 8573-1)
	•	40 (air purity class at the output 5.7.– to DIN ISO 8573-1)
Bowl guard		Plastic bowl guard
Bowl drain		Manual
	•	Fully automatic
Pressure adjustment		Rotary knob with detent
	•	Lockable with accessories
Pressure regulation range	[psi]	15 176
Pressure indicator		With pressure gauge

Standard Nominal Flow Rate qnN [scfm]			
Filtration grade	5 μm	24.7	
	40 μm	26.5	

Pre-configured Combination Unit 8 – Inch Series



Technical Data

Operating and Environmental Conditions				
Bowl drain		Manual	Fully automatic	
Supply pressure	[psi]	22 206	22 176	
Operating medium		Filtered compressed air, lubricated or unlubricated, filtration gr	rade 40 µm	
Ambient temperature	[°F]	14 140	41 140	
Temperature of medium	[°F]	14 140	41 140	
Storage temperature	[°F]	14 140	14 140	
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.

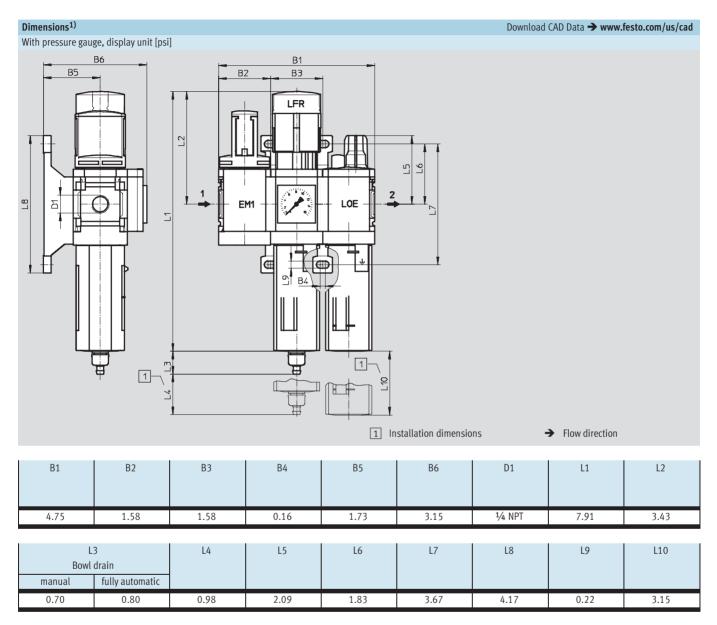
Weights [lb]			
Service unit combination	3.00		
Mounting bracket	0.08		

• For spare parts go to: www.festo.com/en/spare_parts_service

Standard Flow Rate qn as a Function of Output Pressure p2 Filtration grade 40 µm Pressure regulation range 15 ... 176 psi Filtration grade 5 μm MSB4N-1/4 Primary pressure p1 = 147 psi 118 118 103 103 88 88 74 74 p2 [psi] p2 [psi] 59 59 44 44 29 29 15 15 0 17.7 53.0 70.6 0 17.7 35.3 53.0 70.6 qn [scfm]

Pre-configured Combination Unit 8 – Inch Series Dimensional Drawings, Ordering Data – Pre-configured Products





¹⁾ Dimensions are in inches, unless otherwise noted.

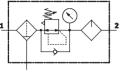
Ordering Data							
Pressure regulation range 15 176 psi							
Bowl drain	Connection	Filtration grade 5 µm			Filtration grade 40 µm		
		Part No. Type	LT		Part No. Type	LT	
Plastic bowl guard							
Manual	1/4 NPT	543564 MSB4N-1/4:C3J3M1-WP	Q		543552 MSB4N-1/4:C3J1M1-WP	Q	
Fully automatic	1/4 NPT	543570 MSB4N-1/4:C3J4M1-WP	Q		543558 MSB4N-1/4:C3J2M1-WP	Q	

LT = Lead time 1D typically ships same day/next day **1W** typically ships within 1 week **Q** request a quote for lead time

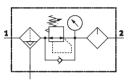
Pre-configured Combination Unit 9 – Inch SeriesTechnical Data

FESTO

ISO Symbol



With manual bowl drain



With fully automatic bowl drain

- For filtered and lubricated compressed air
- Output pressure is infinitely adjustable within the pressure regulation range



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

General Technical Data		
Pneumatic connection 1, 2		1/4 NPT
Type of mounting		Via accessories
Assembly position		Vertical ±5°
Filtration grade [μm]	5 (air purity class at the output 3.7.– to DIN ISO 8573-1)
	İ	40 (air purity class at the output 5.7.– to DIN ISO 8573-1)
Bowl guard		Plastic bowl guard
Bowl drain		Manual
	İ	Fully automatic
Pressure adjustment		Rotary knob with detent
	İ	Lockable with accessories
Pressure regulation range N3 [psi]	15 176
Pressure indicator		With pressure gauge

Standard Nominal Flow Rate qnN [scfm]			
Filtration grade	5 μm	24.7	
	40 μm	28.2	



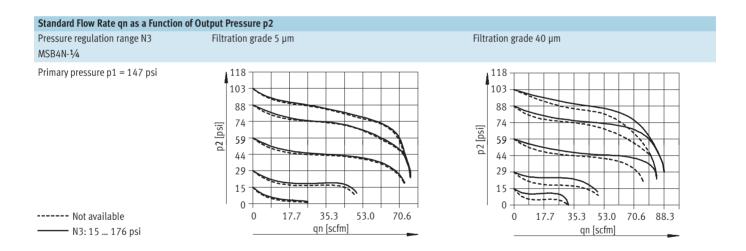
Technical Data

Operating and Environmenta	Operating and Environmental Conditions											
Bowl drain		Manual	Fully automatic									
Supply pressure	[psi]	22 206	22 176									
Operating medium		Filtered compressed air, lubricated or unlubricated, filtration gr	rade 40 µm									
Ambient temperature	[°F]	14 140	41 140									
Temperature of medium	[°F]	14 140	41 140									
Storage temperature	[°F]	14 140	14 140									
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.

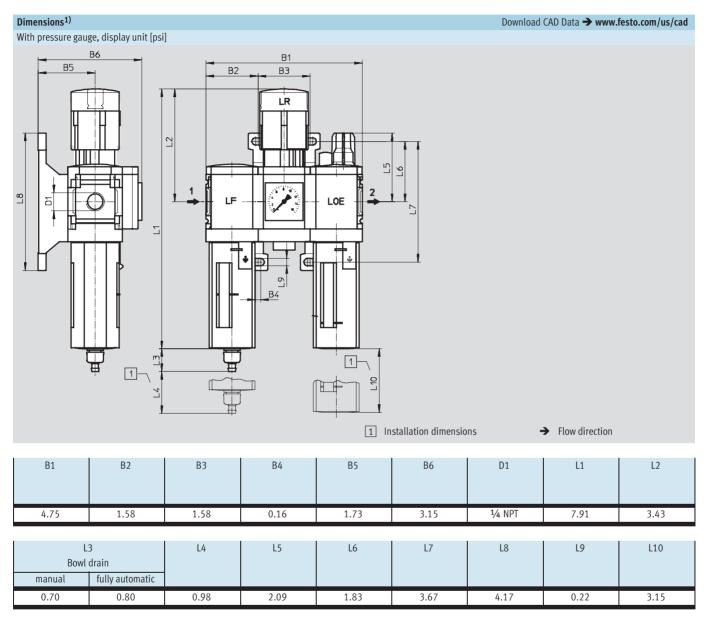
Weights [lb]	
With plastic bowl guard	2.00
Mounting bracket	0.08

• For spare parts go to: www.festo.com/en/spare_parts_service



Pre-configured Combination Unit 9 – Inch Series Dimensional Drawings, Ordering Data – Pre-configured Products

FESTO



¹⁾ Dimensions are in inches, unless otherwise noted.

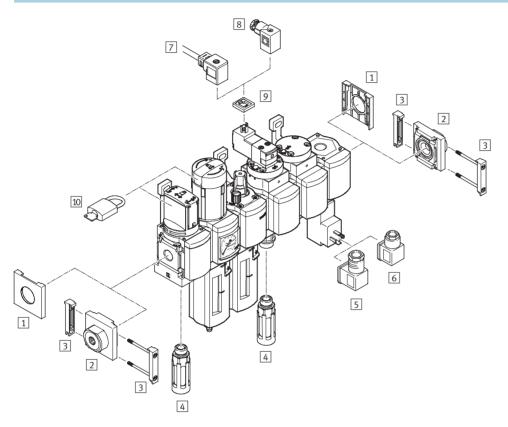
Ordering Data											
Pressure regulation range 15 176 psi											
Bowl drain	Connection	Filtration grade 5 μm			Filtration grade 40 μm						
		Part No. Type	LT		Part No. Type	LT					
Plastic bowl guard											
Manual	1/4 NPT	541433 MSB4N-1/4:H3N3M1-WP	1W		541432 MSB4N- ¹ / ₄ :H2N3M1-WP	1W					
Fully automatic	1/4 NPT	541434 MSB4N-1/4:H4N3M1-WP	1W		541431 MSB4N-1/4:H1N3M1-WP	1W					

LT = Lead time 1D typically ships same day/next day 1W typically ships within 1 week **Q** request a quote for lead time

Pre-configured Combination Units MSB4N – Inch SeriesAccessories Overview



Mounting Attachments and Accessories



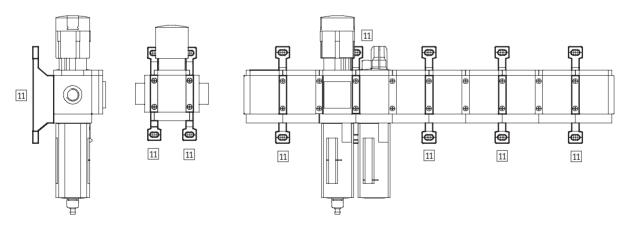
Note

The choice of accessories depends on the selected combination unit.

Range of accessories

→ See the accessories pages of the individual devices

Single unit and combination unit mounting brackets.



Pre-configured Combination Units MSB4N – Inch Series Accessories Overview



Mount	ting Attachments and Accessories	
		→ Page
1	Cover cap	89
	MS4-END	
2	Port plate	90
	MS4N-AQ	
3	Body connector	90
	MS4-MV	
4	Silencer	95
	U	
5	Angled socket	95
	PEV-1/4-WD-LED	
6	Plug socket	95
	MSSD-C-4P	
7	Plug socket with cable	95
	KMEB	
8	Plug socket	95
	MSSD-EB	
9	Illuminating seal	95
	MEB-LD	
10	Padlock	95
	LRVS-D	
11	Mounting bracket (for service unit MSB-FRC)	91
	MS4-WP/WPB/WPM	

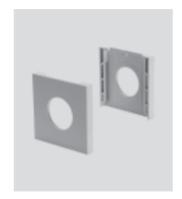


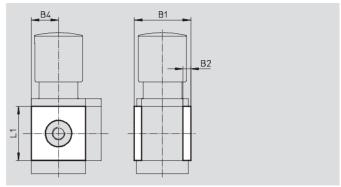
Accessories

1 Cover cap MS4-END

• Can be used to cover the body sides of the first and last module if port plates are not used.

Material: Reinforced polyamide Free of copper and PTFE





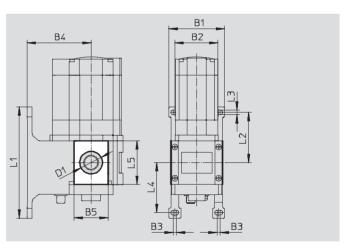
Dimensions and Ordering Data					
B1	B2	B4	L1	Part No.	Туре
1.72	0.24	0.83	1.65	538779	MS4-END

Mounting plate MS4-AEND

 In combination with mounting bracket MS-WP or MS-WPB for mounting an individual unit with body thread on a wall

Material: Reinforced polyamide Conforms to RoHS Free of copper and PTFE





Dimens	Dimensions and Ordering Data														
B1	B2	В3	В	4	B5	D1	L1	L2	L3	L4	L5	CRC ¹⁾	Weight	Part No.	Туре
			WP	WPB		Ø							[lb]		
2.17	1.58	0.16	1.73	2.60	1.20	0.80	4.17	1.83	0.22	1.84	1.65	2	0.01	542 966	MS4-AEND

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.



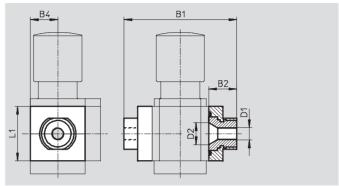
Accessories

2 Port plate MS4N-AQ...

Adapter for pneumatic connection

Material: Aluminum





Dimensions and C	Dimensions and Ordering Data													
B1	B2	В4	D1	D2	L1	Weight [lb]	Part No.	Туре						
			½ NPT				526065	MS4N-AQK						
3.29	0.85	0.83	½ NPT	0.66	1.65	0.26	526066	MS4N-AQN						
			3/8 NPT				526067	MS4N-AQP						

3 Body connector MS4-MV

• For connecting modules

Material:

Stainless steel/polyacetate



Ordering Data		
	Part No.	Туре
[lb]		
0.07	532798	MS4-MV



Accessories

11 Mounting Bracket MS4-WP...

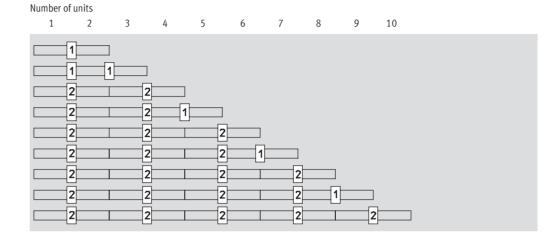
Suggested placement of wall mounting brackets when mounting air preparation combinations

1 unit: 1.575 in

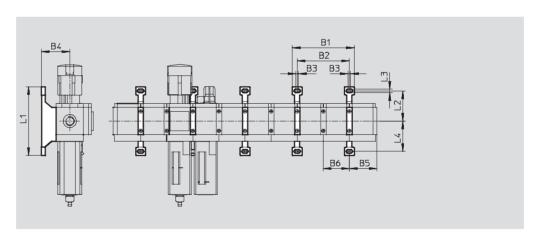
2 units: 3.15 in

1 Mounting bracket WP, WPB or

2 Mounting bracket WP, WPB or WPM-2D



Mounting dimensions



Туре	B1	B2	В3	B4	B5	В6	L1	L2	L3	L4
MS4-WP				1.73			4.17	1.83		1.84
MS4-WPB	3.75	3.15	0.16	2.60	1.65	1.57	4.17	1.0)	0.22	1.04
MS4-WPMD				1.73			3.65	1.37		1.57



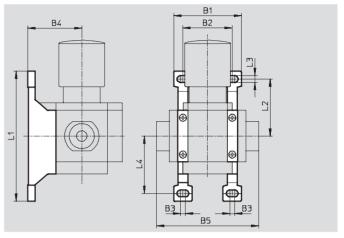
Accessories

Mounting bracket MS4-WP

- To connect the modules for wall mounting
- In combination with a port plate MS-AG... for mounting an individual unit on a wall
- In combination with mounting plate MS-AEND or for mounting an individual unit with body thread on a wall
- For pressure regulator LRB with angled outlet block B... at rear

Material: Die-cast aluminum





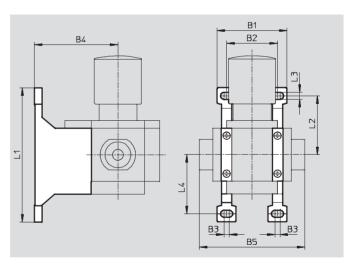
Dimensions	Dimensions and Ordering Data														
B1	B2	В3	B4	B5	L1	L2	L3			Part No.	Туре				
									[lb]						
2.17	1.58	0.16	1.73	3.28	4.17	1.83	0.22	1.84	0.08	532184	MS4-WP				

Mounting bracket MS4-WPB

- To connect the modules for wall mounting
- In combination with a port plate MS-AG... for mounting an individual unit on a wall
- In combination with mounting plate MS-AEND or for mounting an individual unit with direct thread on a wall
- Provides large wall gap for pressure regulator

Material: Die-cast aluminum





Dimensions	Dimensions and Ordering Data														
B1	B2	В3	B4	B5	L1	L2	L3	L4	Weight [lb]	Part No.	Туре				
2.17	1.58	0.16	2.60	3.28	4.17	1.83	0.22	1.84	0.11	526063	MS4-WPB				



Accessories

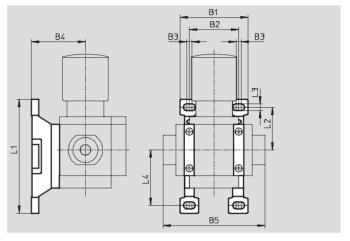
Mounting bracket MS4-WPM

- To connect the modules for wall mounting
- In combination with a port plate MS-AG... for mounting an individual unit on a wall
- Speedy attachment and detachment
- For installation of modules with regulating knob pointing downwards

The distance piece D or 2D (designated in the type code) is included in the scope of delivery and ensures the correct clearance







Dimension	Dimensions and Ordering Data														
B1	B2	В3	B4	B5	L1	L2	L3	L4	Clearance	Weight	Part No.	Туре			
										[lb]					
2.17	1.57	0.16	1 73	3.28	3.65	1.37	0.22	1.78	1.57	0.09	526060	MS4-WPM-D			
3.75	3.15	0.10	1./ 3	4.86	7.07	1.57	0.22	1.70	3.15	0.11	526061	MS4-WPM-2D			

Body connector MS4-MVM

• For installation of modules with regulating knob pointing downwards

Material:

Die-cast aluminum



Ordering Data		
Size	Part No.	Туре
MS4	532800	MS4-MVM



Filter cartridge MS4-LF...







Ordering Data					
	Filtration grade	Part No.	Туре		
	[µm]				
Micro-filter cartridge	0.01	162674	MS4/D-MINI-LFM-A		
Fine-filter cartridge	1	162677	MS4/D-MINI-LFM-B		
Filter cartridge	5	534501	MS4-LFP-C		
Filter cartridge	40	534502	MS4-LFP-E		
Active carbon filter cartridge	Residual oil content ≤ 0.003 mg/m ³	532912	MS4/D-MINI-LFX		



5 Ordering Data – Angled Socket PEV Technical data → www.festo.com/catalog/pev						
	Description	Operating voltage range		ŭ	Part No.	Туре
				display		
	for PEV-1/4OD	15 30 V DC	4-pin	Yellow LED	164274	PEV-1/4-WD-LED-24
	for PEV-1/4OD	15 30 V DC ≤ 230 V AC	4-pin 4-pin	Yellow LED Yellow LED	164274 164275	PEV-1/4-WD-LED-24 PEV-1/4-WD-LED-230

6 Ordering Data	6 Ordering Data − Plug Socket MSSD Technical data → www.festo.com/catalog/mssd						
	Description	Operating voltage range	Electrical connection	Type of mounting cable	Part No.	Туре	
				connection			
	for PEV-1/4OD	≤ 250 V AC/DC	3-pin	Clamping screws	171157	MSSD-C-4P	
	for MS4N-EE/DE	≤ 250 V AC/DC	3-pin	Clamping screws	151687	MSSD-EB	
			4-pin	Insulation	192745	MSSD-EB-S-M14	
				displacement			
				technology			

7 Ordering Data – Plug Socket with Cable KMEB Technical da						ıl data → www.festo.com/catalog/kmeb
	Description	Operating voltage range	· ·	Cable length [ft]	Part No.	Туре
	for MS4N-EE/DE	24 V DC	LED	8.2	151688	KMEB-1-24-2,5-LED
8		24 V DC	LED	16.4	151689	KMEB-1-24-5-LED
		24 V DC	LED	32.8	193457	KMEB-1-24-10-LED
		230 V AC	-	8.2	151690	KMEB-1-230AC-2,5
		230 V AC	_	16.4	151691	KMEB-1-230AC-5

Ordering Data – Illuminating Seal MEB-LD			Technical	data → www.festo.com/catalog/meb-ld
	Description	Operating voltage range	Part No.	Туре
	for plug socket with cable KMEB and plug socket MSSD-EB	12 24 V DC	151717	MEB-LD-12-24DC
		230 V DC/AC ±10%	151718	MEB-LD-230AC

4 Ordering Data	4 Ordering Data − Silencer U Technical data → www.festo.com/catalog/u				
	Description	Pneumatic connection	Part No.	Туре	
	for MS4N-EM1/EE	1/4 NPT	12639	U-1/4-B-NPT	

10 Ordering Data – Padlock LRVS-D					
	Description	Weight [lb]	Part No.	Туре	
	for regulators, filter/regulators and manual on-off valves	0.24	193786	LRVS-D	

Ordering Data – Special Oil OFSW					
	Description	Scope of delivery	Part No.	Туре	
	for lubricators	1 liter	152811	OFSW-32	

FESTO

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