



Fine and micro filters, with 1 micron or 0.01 micron filtration grades, remove submicronic water or oil droplets and dirt particles for exceptionally clean compressed air.

- Pneumatic connection: G1/4, G3/8, G1/2, G3/4
- Supply pressure
 - For manual drain: 0 ... 20 bar
 - For semiautomatic drain: 1.5 ... 12 bar
 - For fully automatic drain: 2 ... 12 bar
 - For fully automatic drain, electrically actuated: 0.8 ... 16 bar
- Flow rate: 380 ... 850 l/min

Produc	t Range Overvie	w															
Туре	Pneumatic con	Pneumatic connections Filtration grade			Bowl g	uard	Bowl d	rain						Contamination			
			[µm]													control	flow
	Body thread	Port plate	0.01	1	5	40	Plastic bowl guard	Metal bowl	Manual	Semiautomatic	Fully automatic	Electrical 24 V DC M12	Electrical 110 V AC with terminals	Electrical 230 V AC with terminals	Electrical 24 V DC with terminals	Differential pressure indicator	Flow direction from right to left
MS6		AG	Α	В	С	E	R	U	M	Н	V	E1	E2	E3	E4	DA	Z
LFM	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂	G ¹ / ₄ , G ³ / ₈ , G ¹ / ₂ , G ³ / ₄	•	•	-	-	•	•	-	•	•	•	•	•	•	•	•

Features

- High-performance filter for exceptionally clean compressed air
- Air quality to DIN ISO 8573-1
- Available with differential pressure indicator for optical indication of filter contamination
- LFM-A: ISO class 1 for particles: max. particle density 0.1 mg/m³ ISO class 2 for oil aerosols: max. oil concentration 0.1 mg/m³ Filter efficiency 99.9999%
- LFM-B: ISO class 2 for particles: max. particle density 1 mg/m³ ISO class 3 for oil aerosols: max. oil concentration 1 mg/m³ Filter efficiency 99.99%

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Replacement Parts	→ 782

→ www.festo.com/catalog/ms6-lfm



Technical Data

ISO Symbol



Manual bowl drain without differential pressure indicator



with differential pressure indicator



Semi or fully automatic bowl drain without differential pressure indicator



with differential pressure indicator



General Technical Data								
Pneumatic connection 1, 2			G ¹ / ₄	G1/2				
Filtration grade [µm]			0.01 (micro filter LFM-A, air purity class at the output 1.7.2 to DIN ISO 8573-1)					
			1 (fine filter LFM-B, air purity class at the output 2.7.3 to DIN ISO 8573-1)					
Supply pressure	М	[bar]	0 20 (manual drain)	0 20 (manual drain)				
	Н	[bar]	1.5 12 (semiautomatic drain)	1.5 12 (semiautomatic drain)				
	V	[bar]	2 12 (fully automatic drain)					
	E	[bar]	0.8 16 (fully automatic drain, electrically actuated)					

Note: This product conforms with the ISO 1179-1 standard and the ISO 228-1 standard.

Standard Nominal Flow Rate qnN ¹⁾ and Standard Flow Rate qn [l/min]								
Pneumatic connection 1, 2	G1/4	G3/8	G½					
Micro filter LFM-A								
qnN 1 2	380	430	480					
qn min	135	135	135					
qn max	900	900	900					
Fine filter LFM-B	Fine filter LFM-B							
qnN 1} 2	550	700	850					
qn min	140	140	140					
qn max	950	950	950					

¹⁾ Measured at p1 = 6 bar and Δp = 70 mbar



Technical Data

Operating and Environmental	Operating and Environmental Conditions								
Bowl drain		Manual	Semiautomatic	Fully automatic	Fully automatic, electrically actuated				
		M	Н	V	E				
Operating medium micro filter	LFM-A	Compressed air, filtered,	Compressed air, filtered, unlubricated, filtration grade 1 µm						
Operating medium fine filter L	FM-B	Compressed air, filtered,	Compressed air, filtered, unlubricated, filtration grade 5 µm						
Max. condensate volume	[cm ³]	38							
Bowl guard		Plastic bowl guard							
		Metal bowl							
Ambient temperature	[°C]	-10 +60	+5 +60	+5 +60	+1 +60				
Temperature of medium	[°C]	-10 +60	+5 +60	+5 +60	+1 +60				
Storage temperature	[°C]	-10 +60	-10 +60	-10 +60	+1 +60				
Assembly position		Vertical ±5°							
Corrosion resistance	CRC ¹⁾	2							

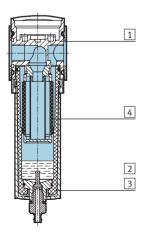
¹⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Weights [g]					
With plastic bowl guard	600				
With metal bowl	820				
With metal bowl and fully automatic,	1,800				
electrically actuated bowl drain					

- Wearing parts kits → 782
- Filter cartridges → 782
- For spare parts go to: www.festo.com/en/spare_parts_service

Materials

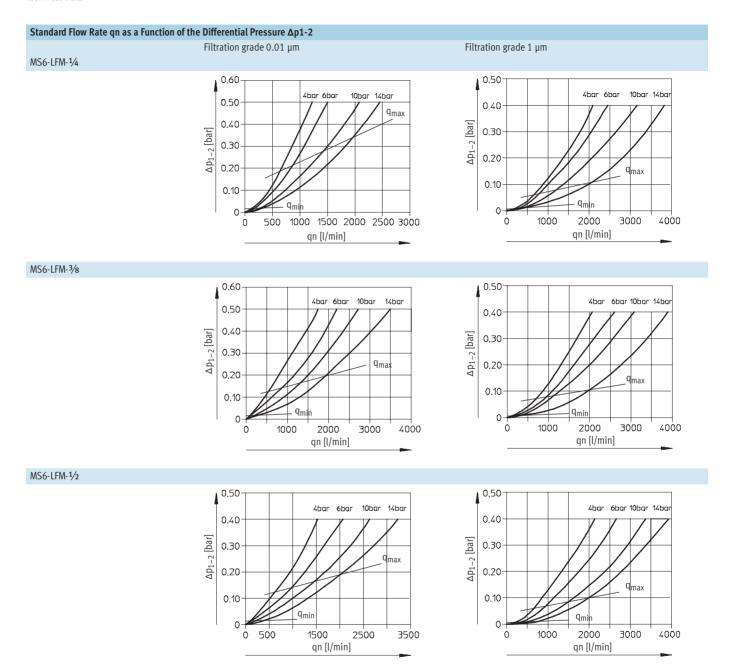
Sectional view



Fine	Fine and micro filter						
1	Body Die-cast aluminum						
2	Plastic bowl guard	Polycarbonate/polyamide					
3	Metal bowl	Aluminum					
	Viewing window	Polyamide					
4	Filters	Borosilicate fiber					
-	Seals	Nitrile rubber					
	Note on materials	Free of copper and PTFE					

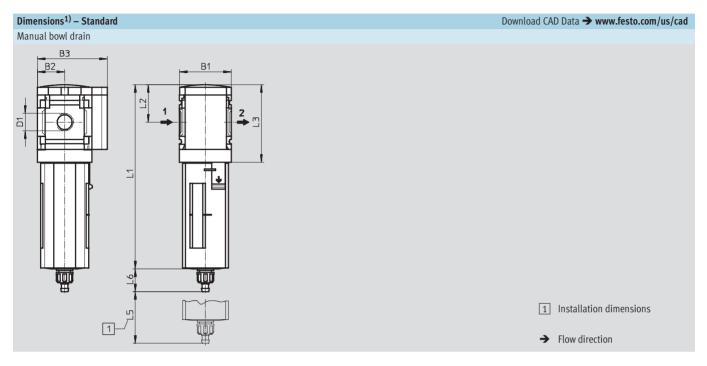


Technical Data





Dimensional Drawings



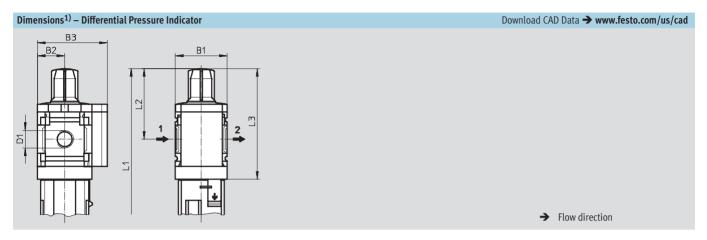
Туре	B1	B2	В3	D1	L1		L2	L3	L5	L	6
					Bowl guard					Bowl	guard
					Plastic	Metal				Plastic	Metal
MS6-LFM-1/4				G1⁄4							
MS6-LFM-3/8	62	31	76	G3/8	189	198	42	87	75	15.8	19
MS6-LFM-1/2				G1/2							

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

Note: This product conforms with the ISO 1179-1 standard and the ISO 228-1 standard.



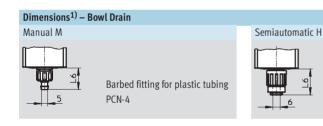
Dimensional Drawings



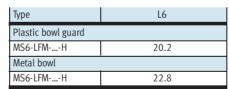
Туре	B1	B2	В3	D1	L1 Bowl guard		L2	L3
					Plastic	Metal		
MS6-LFM-1/4DA				G1/4				
MS6-LFM-3/8DA	62	31	76	G3/8	218	224	68	113
MS6-LFM-1/2DA				G1/2	1			

¹⁾ Dimensions are in millimeters, unless otherwise noted.

Note: This product conforms with the ISO 1179-1 standard and the ISO 228-1 standard.



Туре	L6					
Plastic bowl guard						
MS6-LFMM	15.8					
Metal bowl						
MS6-LFMM	19					



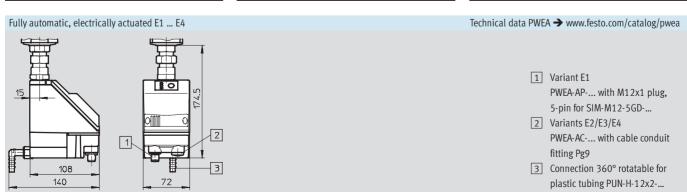
PUN-6/PAN-6

QS fitting for plastic tubing

Fully automatic V	
95	Barbed fitting for plastic tubing PCN-4

Download CAD Data → www.festo.com/us/cad

Туре	L6					
Plastic bowl guard						
MS6-LFMV	18.5					
Metal bowl						
MS6-LFMV	22					



¹⁾ Dimensions are in millimeters, unless otherwise noted.



Ordering Data – Pre-configured Products

Ordering Data				
Without differential p	ressure indicator			
Bowl drain	Connection	Micro filter		Fine filter
		Filtration grade 0.01 μm		Filtration grade 1 µm
		Part No. Type	LT	Part No. Type LT
Plastic bowl guard				
Manual	G1/4	529663 MS6-LFM-1/4-ARM		529667 MS6-LFM- ¹ / ₄ -BRM
	G3/8	529671 MS6-LFM-3/8-ARM		529675 MS6-LFM-3/8-BRM
	G½	529655 MS6-LFM-1/2-ARM		529659 MS6-LFM-½-BRM
Fully automatic	G1/4	530510 MS6-LFM-1/4-ARV		530514 MS6-LFM- ¹ / ₄ -BRV
	G3/8	530518 MS6-LFM-3/8-ARV		530522 MS6-LFM-3/8-BRV
	G½	530502 MS6-LFM-1/2-ARV		530506 MS6-LFM-1/2-BRV
Metal bowl	<u> </u>			
Fully automatic	G1/4	529665 MS6-LFM-1/4-AUV		529669 MS6-LFM- ¹ / ₄ -BUV
	G3/8	529673 MS6-LFM-3/8-AUV		529677 MS6-LFM-3/8-BUV
	G½	529657 MS6-LFM-½-AUV		529661 MS6-LFM-1/2-BUV

Ordering Data					
With differential press	ure indicator				
Bowl drain	Connection	Micro filter		Fine filter	
		Filtration grade 0.01 µm		Filtration grade 1 µm	
		Part No. Type	LT	Part No. Type	LT
Plastic bowl guard					
Manual	G1/4	536869 MS6-LFM-1/4-ARM-DA	1D	536833 MS6-LFM-1/4-BRM-DA	1D
	G3/8	536870 MS6-LFM-3/8-ARM-DA	1D	536834 MS6-LFM-3/8-BRM-DA	1D
	G ¹ / ₂	536871 MS6-LFM-1/2-ARM-DA	1D	536835 MS6-LFM-1/2-BRM-DA	1D
Fully automatic	G1/4	536875 MS6-LFM-1/4-ARV-DA	1D	536839 MS6-LFM-1/4-BRV-DA	1D
	G3/8	536876 MS6-LFM-3/8-ARV-DA	1D	536840 MS6-LFM-3/8-BRV-DA	1D
	G ¹ / ₂	536877 MS6-LFM-1/2-ARV-DA	1D	536841 MS6-LFM-1/2-BRV-DA	1D
Metal bowl					
Fully automatic	G1/4	536881 MS6-LFM-1/4-AUV-DA	Q	536845 MS6-LFM-1/4-BUV-DA	Q
	G3/8	536882 MS6-LFM-3/8-AUV-DA	Q	536846 MS6-LFM-3/8-BUV-DA	Q
	G ¹ / ₂	536883 MS6-LFM-1/2-AUV-DA	Q	536847 MS6-LFM-1/2-BUV-DA	Q

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



Ordering Data – Configurable Products

Mandatory D	ata									→
Part No.	Series	Size	Function		Connection size	1	Filtration grade		Bowl	7
										J
527670	MS	6	LFM		1/4, 3/8, 1/2,		В		R	
					AGB, AGC, AGD, AGE		A		U	
Order example		1				_	_	_	_	_
527670	MS	6	- LFM	-	AGB	-	В	-	R	

Or	dering Table				
Gr	id dimension [mm]	62	Conditions	Code	Enter code
M	Part No.	527670			
	Series	Standard		MS	MS
	Size	6		6	6
	Function	Fine and micro filter		-LFM	-LFM
	Connection size	Body thread G1/4		-1/4	
		Body thread G3/8		-3/8	
		Body thread G½		-1/2	
		Port plate G¼ (dimensions → 814)		-AGB	
		Port plate G3∕8 (dimensions → 814)		-AGC	
		Port plate G½ (dimensions → 814)		-AGD	
		Port plate G¾ (dimensions → 814)		-AGE	
	Filtration grade	1 μm		-B	
		0.01 μm		-A	
	Bowl	Plastic bowl with plastic bowl guard		-R	
Ψ		Metal bowl		-U	

Transfer order co	de			_					
527670		MS	6] –	LFM	-	-	-	



Ordering Data – Configurable Products

>	M Mandatory Data	O Options		
	Bowl drain	Filter change sensor	Type of mounting	Reverse flow direction
	M	DA	WP	Z
	Н		WPM	
	V		WB	
	E1			
	E2			
	E3			
	E4			
-[M -	-	WP -	- Z

Or	dering Table				
Gr	id dimension [mm]	62	Conditions	Code	Enter code
Ψ	Bowl drain	Manual		-M	
M		Semiautomatic (P1 max. 12 bar)		-H	
		Fully automatic (P1 max. 12 bar)		-V	
		External fully automatic bowl drain, electrical, 24 V DC, M12	1	-E1	
		External fully automatic bowl drain, electrical, 110 V AC, terminals	1	-E2	
		External fully automatic bowl drain, electrical, 230 V AC, terminals	1	-E3	
		External fully automatic bowl drain, electrical, 24 V DC, terminals	1	-E4	
0	Filter change sensor	Differential pressure indicator, optical		-DA	
	Type of mounting	Mounting bracket (dimensions → 815)	2	-WP	
		Mounting bracket (dimensions → 815)	2	-WPM	
		Mounting bracket (dimensions → 812)		-WB	
	Reverse flow direction	Flow direction from right to left		-Z	

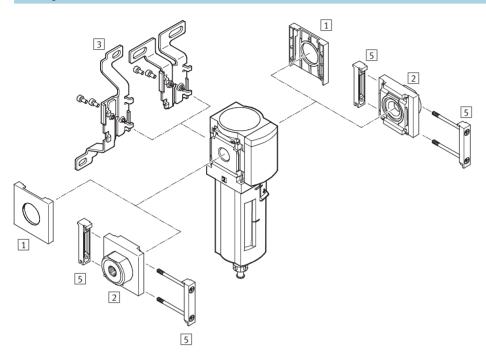
1 E1, E2, E3, E4 Only with metal bowl U

2 WP, WPM Only with port plate A	AGB, AGC, AGD or AGE
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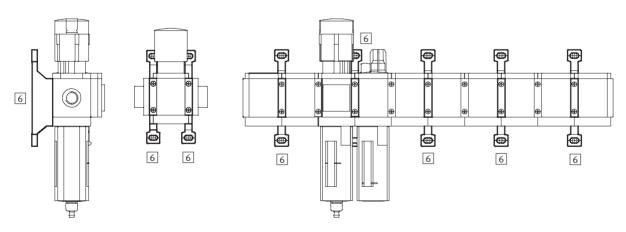
	Transfer order code				
-		_	-	_	

Accessories Overview

Mounting Attachments and Accessories



Single unit and combination unit mounting brackets.





Accessories Overview

Mount	ting Attachments and Accessories					
		Single unit		Combination unit ->	3.1-1	→ Page
		without port plate	vithout port plate with port plate with		with port plate	
1	Cover cap		_	-	_	813
	MS6-END	_	_	_		
2	Port plate	_				814
	MS6-AG		_		_	
3	Mounting bracket	•	•	_		812
	MS6-WB	_	_			
5	Body connector	_				814
	MS6-MV			_	_	
6	Mounting bracket	_				815
	MS6-WP/WPB/WPM			_	_	

FESTO

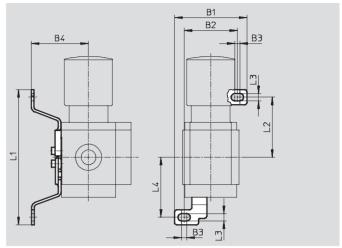
Accessories

3 Mounting bracket MS6-WB

For wall mounting

Material: Steel





Dimensions a	mensions and Ordering Data											
B1	B2	В3	B4	L1	L2	L3	L4	Weight [g]	Part No.	Туре		
79.4	61.9	4.5	55	157.6	71	6.6	71	121	532196	MS6-WB		

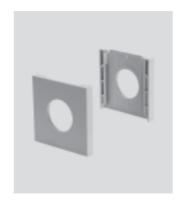


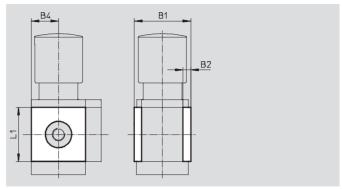
Accessories

1 Cover cap MS6-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





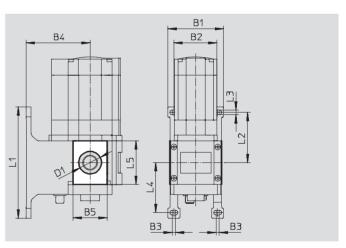
Dimensions and Ordering Data				
B1	B2	B4	L1	Part No. Type
67	8	31	62	538780 MS6-END

Mounting plate MS6-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							[g]		
79	62	4.5	54	90.5	48.4	32	158	71	6.6	71	62	2	17	535408	MS6-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.

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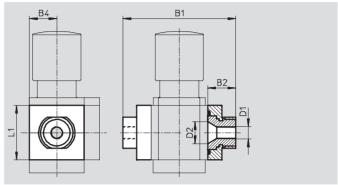
Accessories

2 Port plate MS6-AG...

- Adapter for pneumatic connection
- MS6-AGE for implementing threaded connection G3/4

Material: Aluminum





Dimensions and C	Dimensions and Ordering Data												
B1	B2	B4	D1	D2		Weight [g]	Part No.	Туре					
			G1/4				526080	MS6-AGB					
115	26.5	31	G3/8	24	62	300	526081	MS6-AGC					
115	20.5	51	G ¹ / ₂	24	02		526082	MS6-AGD					
			G3/4	1			526083	MS6-AGE					

5 Body connector MS...-MV

• For connecting modules

Material:

Stainless steel/polyacetate



Ordering Data		
Weight	Part No.	Туре
[g]		
54	532799	MS6-MV



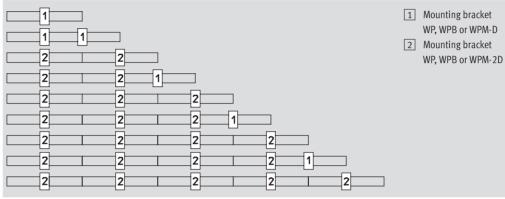
Accessories

6 Mounting Bracket MS6-WP...

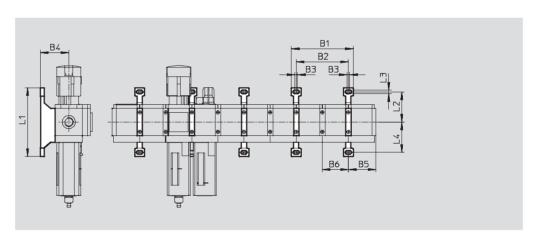
Suggested placement of wall mounting brackets when mounting air preparation combinations

1 unit: 62 mm with WP, WPB

69 mm with WPM-D

2 units: 124 mm with WP, WPB 138 mm with WPM-2D 

Mounting dimensions



Туре	B1	B2	В3	B4	B5	В6	L1	L2	L3	L4
MS6-WP	141	124	4.5	54	64.5	62	158	71		71
MS6-WPB	141	124	4.5	90.5	04.5	02	136	/1	6.6	/1
MS6-WPMD	168	138	17.5	54	65.5	69	98.6	41.3		41.3



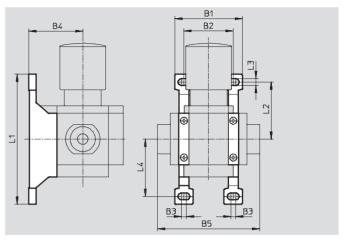
Accessories

Mounting bracket MS6-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		Weight [g]	Part No.	Туре	
79	62	4.5	54	115	158	71	6.6	71	76	532195	MS6-WP	

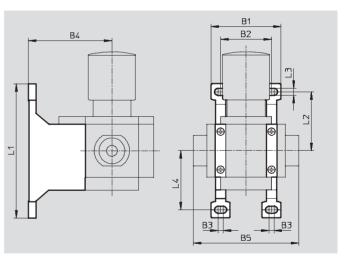
Mounting bracket MS6-WPB

- 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	Part No.	Туре		
									[g]		<i>'</i> '		
70	(2	6 F	00.5	115	1.50	71	((71	115	F26076	MCC WDD		
79	62	4.5	90.5	115	158	/1	6.6	/1	115	526074	MS6-WPB		

Accessories

FESTO

Mounting bracket MS6-WPM

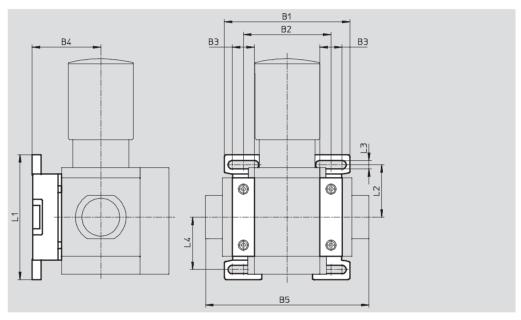
- To connect the modules for wall mounting
- In combination with a port plate MS-AG... for mounting an individual unit on a wall
- Speedy attachment and detachment
- For installation of modules with regulating knob pointing downwards

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

Material:

Die-cast aluminum





Dimension	Dimensions and Ordering Data											
B1	B2	B3	B4	B5	L1	L2	L3	L4	Clearance	Weight [g]	Part No.	Туре
99	69	17.5	54	129	98.6	41.3	6.6	41.3	62	144	526073	MS6-WPM-D
168	138	17.5	54	198	70.0	41.)	0.0	41.)	124	154	532186	MS6-WPM-2D

Body connector MS6-MVM

• For installation of modules with regulating knob pointing downwards

Material:

Die-cast aluminum



Ordering Data		
Size	Part No.	Туре
MS6	532801	MS6-MVM



Replacement Parts

Ordering Data – Wearing Parts Kits										
Size	Description	Part No.	Туре							
MS6	Flat seal, O-rings, screws	673642	MS6-LFM							



Ordering Data - Filter Cartridges			
Size	Filtration grade [μm]	Part No.	Туре
MS6	0.01	532909	MS6-LFM-A
	1	532910	MS6-LFM-B

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





Fine and micro filters, with 1 micron or 0.01 micron filtration grades, remove submicronic water or oil droplets and dirt particles for exceptionally clean compressed air.

- Pneumatic connection: 1/4 NPT, 3/8 NPT, 1/2 NPT, 3/4 NPT
- Supply pressure
 - For manual drain: 0 ... 294 psi
 - For semiautomatic drain: 22 ... 176 psi
 - For fully automatic drain: 29 ... 176 psi
 - For fully automatic drain, electrically actuated: 12 ... 235 psi
- Flow rate: 13.4 ... 30.0 scfm

Product	Product Range Overview																
Туре	Pneumatic conn	ections	Filtration grade [µm]			Bowl g	Bowl guard Bowl drain					Contamination control	Reverse flow				
	Body thread	Port plate	0.01	1	5	40	Plastic bowl guard	Metal bowl	Manual	Semiautomatic	Fully automatic	Electrical 24 V DC M12	Electrical 110 V AC with terminals	Electrical 230 V AC with terminals	Electrical 24 V DC with terminals	Differential pressure indicator	Flow direction from right to left
MS6N		AG	Α	В	С	E	R	U	M	Н	V	E1	E2	E3	E4	DA	Z
LFM	1/4 NPT, 3/8 NPT, 1/2 NPT	1/4 NPT, 3/8 NPT, 1/2 NPT, 3/4 NPT	-	•	-	-	•	•	•	•	•	•	•	•	•	•	•

Features

- High-performance filter for exceptionally clean compressed air
- Air quality to DIN ISO 8573-1
- Available with differential pressure indicator for optical indication of filter contamination
- LFM-A: ISO class 1 for particles: max. particle density 0.1 mg/m³ ISO class 2 for oil aerosols: max. oil concentration 0.1 mg/m³ Filter efficiency 99.9999%
- LFM-B: ISO class 2 for particles: max. particle density 1 mg/m³ ISO class 3 for oil aerosols: max. oil concentration 1 mg/m³ Filter efficiency 99.99%

Contents	
Technical Data	→ 820
Dimensional Drawings	→ 823
Ordering Data	→ 825
Accessories	→ 828
Replacement Parts	→ 800

→ www.festo.com/catalog/ms6n-lfm

FESTO

Technical Data

ISO Symbol



Manual bowl drain without differential pressure indicator



with differential pressure indicator



Semi or fully automatic bowl drain without differential pressure indicator



with differential pressure indicator



General Technical Data	1									
Pneumatic connection	1,2		1/4 NPT	1/2 NPT						
Filtration grade		[µm]	0.01 (micro filter LFM-A, air p	0.01 (micro filter LFM-A, air purity class at the output 1.7.2 to DIN ISO 8573-1)						
			1 (fine filter LFM-B, air purity class at the output 2.7.3 to DIN ISO 8573-1)							
Supply pressure	М	[psi]	0 294 (manual drain)							
	Н	[psi]	22 176 (semiautomatic dra	in)						
	V	[psi]	29 176 (fully automatic drain)							
	E	[psi]	12 235 (fully automatic drain, electrically actuated)							

Standard Nominal Flow Rate qnN1) a	and Standard Flow Rate qn [sci	fm]									
Pneumatic connection 1, 2	1/4 NPT	3/8 NPT	1/2 NPT								
Micro filter LFM-A											
qnN 1} 2	13.4	15.2	16.9								
qn min	4.8	4.8	4.8								
qn max	31.8	31.8	31.8								
Fine filter LFM-B											
qnN 1} 2	19.4	24.7	30.0								
qn min	4.9	4.9	4.9	4.9							
qn max	33.5	33.5	33.5								

¹⁾ Measured at p1 = 88 psi and Δp = 1.0 psi



Technical Data

Operating and Environmenta	l Conditions									
Bowl drain		Manual	Semiautomatic	Fully automatic	Fully automatic, electrically actuated					
		М	Н	V	E					
Operating medium micro filte	r LFM-A	Compressed air, filtered,	Compressed air, filtered, unlubricated, filtration grade 1 µm							
Operating medium fine filter I	LFM-B	Compressed air, filtered,	unlubricated, filtration gra	ade 5 µm						
Max. condensate volume	[in ³]	2.32								
Bowl guard		Plastic bowl guard								
		Metal bowl								
Ambient temperature	[°F]	14 140	41 140	41 140	34 140					
Temperature of medium	[°F]	14 140	41 140	41 140	34 140					
Storage temperature	[°F]	14 140	14 140	14 140	34 140					
Assembly position		Vertical ±5°								
Corrosion resistance	CRC ¹⁾	2								

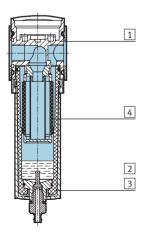
¹⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

Weights [lb]									
With plastic bowl guard	1.20								
With metal bowl	1.64								
With metal bowl and fully automatic,	3.60								
electrically actuated bowl drain									

- Wearing parts kits → 800
- Filter cartridges → 800
- For spare parts go to: www.festo.com/en/spare_parts_service

Materials

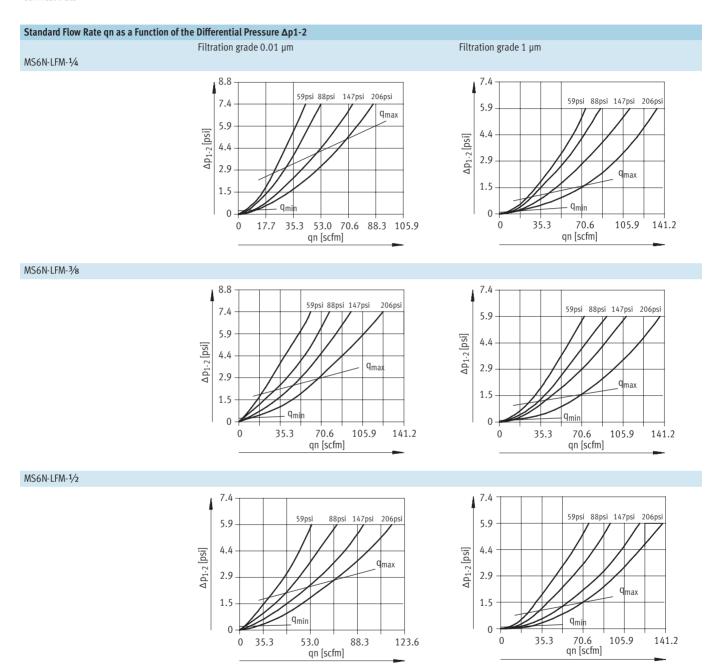
Sectional view



Fine	Fine and micro filter										
1	Body	Die-cast aluminum									
2	Plastic bowl guard	Polycarbonate/polyamide									
3	Metal bowl	Aluminum									
	Viewing window	Polyamide									
4	Filters	Borosilicate fiber									
-	Seals	Nitrile rubber									
	Note on materials	Free of copper and PTFE									

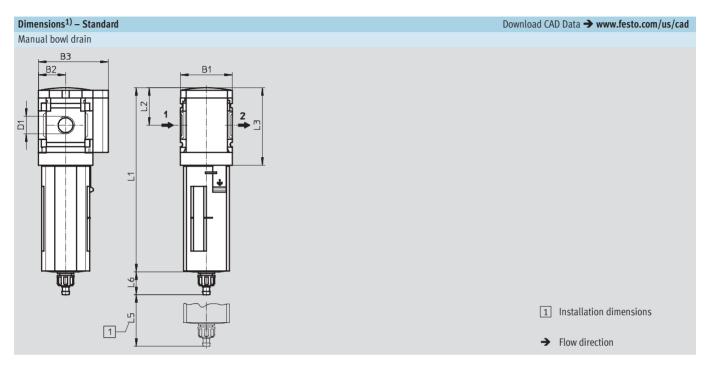


Technical Data





Dimensional Drawings



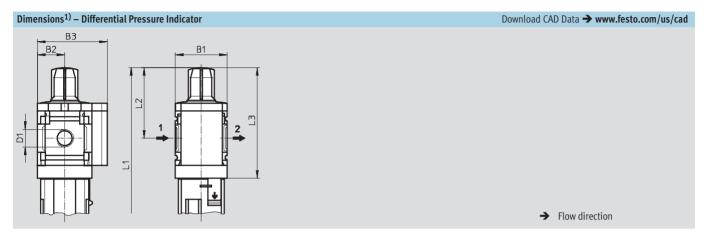
Туре	B1	B2	В3	D1	L	L2	L3	L5	L6				
					Bowl §	Bowl guard		Bowl guard				Bowl §	guard
					Plastic Metal					Plastic	Metal		
MS6N-LFM-1/4				1/4 NPT									
MS6N-LFM-3/8	2.44	1.22	2.99	3/8 NPT	7.44	7.80	1.65	3.43	2.95	0.62	0.75		
MS6N-LFM-1/2				½ NPT									

¹⁾ Dimensions are in inches, unless otherwise noted.

2007/10 – Subject to change – MS Series

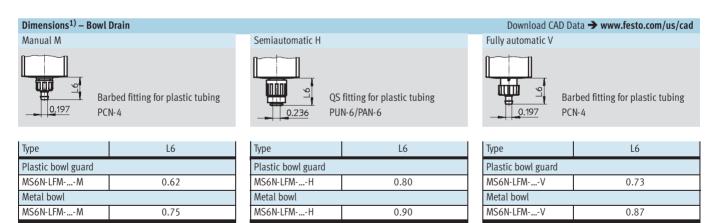


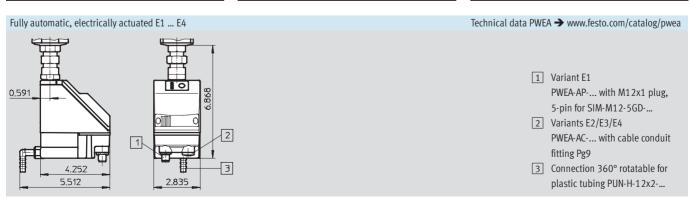
Dimensional Drawings



Туре	B1	B2	В3	D1	L1 Bowl guard		L2	L3
					Plastic	Metal		
MS6N-LFM-1/4DA				½ NPT				
MS6N-LFM-3/8DA	2.44	1.22	2.99	3/8 NPT	8.58	8.82	2.68	4.45
MS6N-LFM-1/2DA				1/2 NPT				

1) Dimensions are in inches, unless otherwise noted.





¹⁾ Dimensions are in inches, unless otherwise noted.



Ordering Data – Pre-configured Products

Ordering Data						
Without differential pr	essure indicator					
Bowl drain	Connection	Micro filter			filter	
		Filtration grade 0.01 µm		Filtr	ation grade 1 µm	
		Part No. Type	LT	Par	No. Type	LT
Plastic bowl guard						
Manual	1/4 NPT	531860 MS6N-LFM-1/4-ARM		531	848 MS6N-LFM-1/4-BRM	
	3/8 NPT	531862 MS6N-LFM- ³ /8-ARM		531	850 MS6N-LFM-3/8-BRM	
	1/2 NPT	531861 MS6N-LFM-1/2-ARM		531	849 MS6N-LFM-½-BRM	
Fully automatic	1/4 NPT	531866 MS6N-LFM-1/4-ARV		531	854 MS6N-LFM-1/4-BRV	
	3/8 NPT	531868 MS6N-LFM- ³ /8-ARV		531	856 MS6N-LFM-3/8-BRV	
	1/2 NPT	531867 MS6N-LFM-1/2-ARV		531	855 MS6N-LFM-1/2-BRV	
Metal bowl		•				·
Fully automatic	1/4 NPT	531878 MS6N-LFM-1/4-AUV		531	872 MS6N-LFM-1/4-BUV	
	3/8 NPT	531880 MS6N-LFM- ³ /8-AUV		531	874 MS6N-LFM-3/8-BUV	
	½ NPT	531879 MS6N-LFM-½-AUV		531	873 MS6N-LFM-½-BUV	

Ordering Data								
With differential press	ure indicator							
Bowl drain	Connection	Micro filter			Fine filter			
		Filtration grade 0.01 μm			Filtration grade 1 µm			
		Part No. Type	LT		Part No. Type	LT		
Plastic bowl guard								
Manual	1/4 NPT	536887 MS6N-LFM-1/4-ARM-DA	1D		536851 MS6N-LFM-1/4-BRM-DA	1D		
	3/8 NPT	536888 MS6N-LFM-3/8-ARM-DA	1D		536852 MS6N-LFM-3/8-BRM-DA	1D		
	1/2 NPT	536889 MS6N-LFM-1/2-ARM-DA	1D		536853 MS6N-LFM-1/2-BRM-DA	1D		
Fully automatic	1/4 NPT	536893 MS6N-LFM-1/4-ARV-DA	1D		536857 MS6N-LFM-1/4-BRV-DA	1D		
	3/8 NPT	536894 MS6N-LFM-3/8-ARV-DA	1D		536858 MS6N-LFM-3/8-BRV-DA	1D		
	1/2 NPT	536895 MS6N-LFM-1/2-ARV-DA	1D		536859 MS6N-LFM-1/2-BRV-DA	1D		
Metal bowl								
Fully automatic	1/4 NPT	536899 MS6N-LFM-1/4-AUV-DA	Q		536863 MS6N-LFM-1/4-BUV-DA	Q		
	3/8 NPT	536900 MS6N-LFM-3/8-AUV-DA	Q		536864 MS6N-LFM-3/8-BUV-DA	Q		
	½ NPT	536901 MS6N-LFM-1/2-AUV-DA	Q		536865 MS6N-LFM-1/2-BUV-DA	Q		

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



Ordering Data – Configurable Products

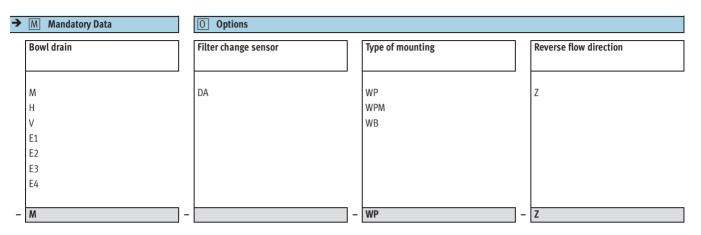
M Mandatory Da	Mandatory Data →											
Part No.	Series	Size	Thread	Function	7	Connection size	1	Filtration grade		Bowl]	
]	
527671	MS	6	N	LFM		1/4, 3/8, 1/2,		В		R		
						AQN, AQP, AQR, AQS		Α		U		
Order example												
527671	MS	6	N	- LFM	_	AQN] -	В	_	R	1	

Or	dering Table				
Gr	id dimension [mm]	62	Conditions	Code	Enter code
M	Part No.	527671			
	Series	Standard		MS	MS
	Size	6		6	6
	Thread	NPT thread		N	N
	Function	Fine and micro filter		-LFM	-LFM
	Connection size	Body thread 1/4 NPT		-1/4	
		Body thread 3/8 NPT		-3/8	
		Body thread 1/2 NPT		-1/2	
		Port plate ¼ NPT (dimensions → 832)		-AQN	
		Port plate 3/8 NPT (dimensions → 832)		-AQP	
		Port plate 1/2 NPT (dimensions → 832)		-AQR	
		Port plate ¾ NPT (dimensions → 832)		-AQS	
	Filtration grade	1 μm		-B	
		0.01 μm		-A	
	Bowl	Plastic bowl with plastic bowl guard		-R	
Ψ		Metal bowl		-U	

Transfer order code												
527671		MS	6	N	-	LFM	-]] -		- [



Ordering Data – Configurable Products



Or	dering Table				
Gr	id dimension [mm]	62	Conditions	Code	Enter code
Ψ	Bowl drain	Manual		-M	
M		Semiautomatic (P1 max. 176 psi)		-H	
		Fully automatic (P1 max. 176 psi)		-V	
		External fully automatic bowl drain, electrical, 24 V DC, M12	1	-E1	
		1	-E2		
		External fully automatic bowl drain, electrical, 230 V AC, terminals	1	-E3	
		External fully automatic bowl drain, electrical, 24 V DC, terminals	1	-E4	
0	Filter change sensor	Differential pressure indicator, optical		-DA	
	Type of mounting	Mounting bracket (dimensions → 833)	2	-WP	
		Mounting bracket (dimensions → 833)	2	-WPM	
		Mounting bracket (dimensions → 830)		-WB	
	Reverse flow direction	Flow direction from right to left		-Z	

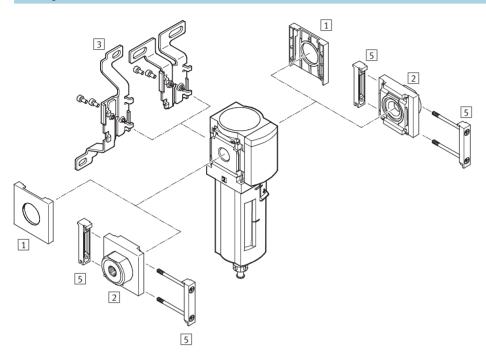
1 E1, E2, E3, E4 Only with metal bowl U

2 WP, WPM Only with port plate AQN, AQP, AQR of	r AQ
--	------

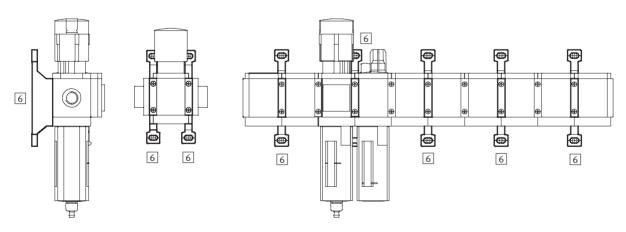
	Transfer order code				
-		-	-	-	

Accessories Overview

Mounting Attachments and Accessories



Single unit and combination unit mounting brackets.





Accessories Overview

Moun	ting Attachments and Accessories					
		Single unit		Combination unit ->	3.1-49	→ Page
		without port plate	with port plate	without port plate	with port plate	
1	Cover cap MS6-END	•	-	-	-	831
2	Port plate MS6N-AQ	-	•	-	•	832
3	Mounting bracket MS6-WB	•	•	-	-	830
5	Body connector MS6-MV	-	•	•	•	832
6	Mounting bracket MS6-WP/WPB/WPM	-	•	•	•	833

2007/10 - Subject to change - MS Series

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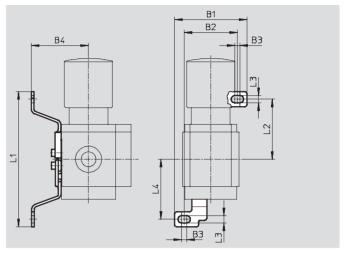
Accessories

3 Mounting bracket MS6-WB

For wall mounting

Material: Steel





Dimensions a	Dimensions and Ordering Data														
B1	B2	В3	B4	L1	L2	L3		Weight [lb]	Part No.	Туре					
3.13	2.44	0.18	2.17	6.20	2.80	0.26	2.80	0.24	532196	MS6-WB					

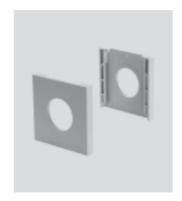


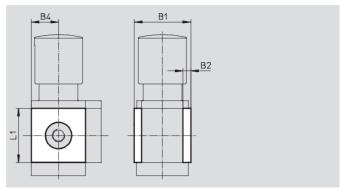
Accessories

1 Cover cap MS6-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





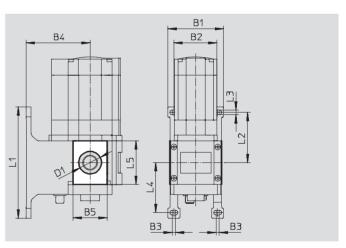
Dimensions and Ordering Data												
B1	B2	B4	L1	Part No.	Туре							
2.64	0.31	1.22	2.44	538780	MS6-END							

Mounting plate MS6-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	1 B2 B3 B4		4	B5	D1	L1	L2	L3	L4	L5	CRC ¹⁾	Weight	Part No.	Туре	
			WP	WPB		Ø							[lb]		
3.11	2.44	0.18	2.13	3.56	1.91	1.26	6.22	2.80	0.26	2.80	2.44	2	0.03	535408	MS6-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.

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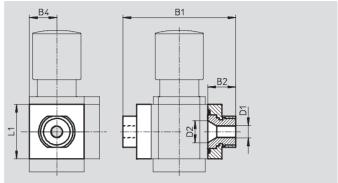
Accessories

2 Port plate MS6N-AQ...

- Adapter for pneumatic connection
- MS6-AGE for implementing threaded connection 3/4 NPT

Material: Aluminum





Dimensions and C	Dimensions and Ordering Data													
B1	B2 B4		D1	D2		Weight [lb]	Part No.	Туре						
			½ NPT				526076	MS6N-AQN						
4.53	1.04	1.22	3/8 NPT	0.94	2.44	0.60	526077	MS6N-AQP						
4.55	1.04	1.22	½ NPT	0.94	2.44		526078	MS6N-AQR						
			3/4 NPT				526079	MS6N-AQS						

5 Body connector MS6-MV

• For connecting modules

Material:

Stainless steel/polyacetate



Ordering Data		
Weight	Part No.	Туре
[lb]		
0.11	532799	MS6-MV



Accessories

6 Mounting Bracket MS6-WP...

Suggested placement of wall mounting brackets when mounting air preparation combinations

Number of units

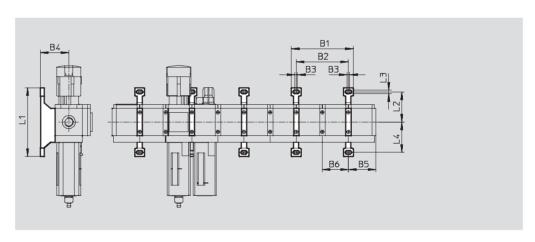
1 unit: 2.44 in with WP, WPB

2.715 in with WPM-D

2 units: 4.88 in with WP, WPB 5.43 in with WPM-2D

1 Mounting bracket WP, WPB or WPM-D 2 Mounting bracket WP, WPB or WPM-2D

Mounting dimensions



Туре	B1	B2	В3	B4	B5	В6	L1	L2	L3	L4
MS6-WP	5 5 5	4.88	0.18	2.13	2.54	2.44	6 22	6.22 2.80	0.26	2.80
MS6-WPB	5.55	4.00	0.16	3.56	2.54	2.44	0.22			
MS6-WPMD	D 6.61	5.43	0.69	2.13	2.58	2.72	3.88	1.63		1.63



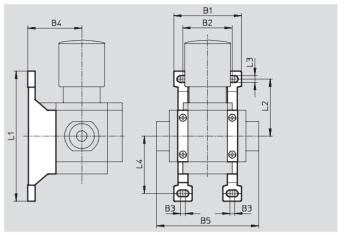
Accessories

Mounting bracket MS6-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





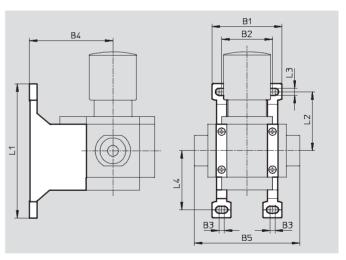
Dimensions	Dimensions and Ordering Data														
B1	B2	В3	B4	B5	L1	L2	L3		Weight [lb]	Part No.	Туре				
3.11	2.44	0.18	2.13	4.53	6.22	2.80	0.26	2.80	0.15	532195	MS6-WP				

Mounting bracket MS6-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				
3.11	2.44	0.18	3.56	4.53	6.22	2.80	0.26	2.80	0.23	526074	MS6-WPB				

Accessories

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Mounting bracket MS6-WPM

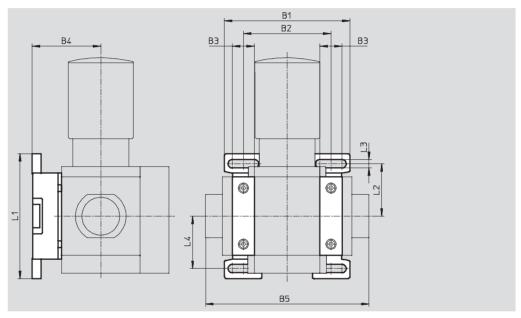
- To connect the modules for wall mounting
- In combination with a port plate MS-AG... for mounting an individual unit on a wall
- Speedy attachment and detachment
- For installation of modules with regulating knob pointing downwards

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

Material:

Die-cast aluminum





Dimensions and Ordering Data												
B1	B2	В3	B4	B5	L1	L2	L3	L4	Clearance	Weight	Part No.	Туре
										[lb]		
3.90	2.72	0.69	2.13	5.08	3.88	1.63	0.26	1.63	2.44	0.29	526073	MS6-WPM-D
6.61	5.43			7.80					4.88	0.31	532186	MS6-WPM-2D

Body connector MS6-MVM

• For installation of modules with regulating knob pointing downwards

Material:

Die-cast aluminum



Ordering Data		
Size	Part No.	Туре
MS6	532801	MS6-MVM



Replacement Parts

Ordering Data – Wearing Parts Kits						
Size	Description	Part No.	Туре			
MS6	Flat seal, O-rings, screws	673642	MS6-LFM			



Ordering Data – Filter Cartridges						
Size	Filtration grade [μm]	Part No.	Туре			
MS6	0.01	532909	MS6-LFM-A			
	1	532910	MS6-LFM-B			

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

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502 Earth City Expy., Suite 125 Earth City, MO 63045

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Headquarters

Festo Corporation 395 Moreland Road P.O. Box 18023 Hauppauge, NY 11788 www.festo.com/us

Sales Offices

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Design and Manufacturing Operations



East: 395 Moreland Road, Hauppauge, NY 11788



Central: 1441 East Business Center Drive, Mt. Prospect, IL 60056



West: 2800 Collier Canyon Road, Livermore, CA 94550

Mexico

Headquarters

Festo Pneumatic, S.A. Av. Ceylán 3, Col. Tequesquinahuac 54020 Tlalnepantla, Edo. de México

Call: 011 52 [55] 53 21 66 00 Fax: 011 52 [55] 53 21 66 65 Email: festo.mexico@mx.festo.com

www.festo.com/mx



Canada

Headquarters

Festo Inc. 5300 Explorer Drive Mississauga, Ontario L4W 5G4

Call: 1.905.624.9000 Fax: 1.905.624.9001 Email: info.ca@ca.festo.com

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