

## Membrane Air Dryers MS4-LDM1 – Metric Series



Membrane air dryers remove water vapor from the compressed air and lower the dew point preventing moisture from forming downstream. Pre-filtration with a grade of 0.01 micron is required.

- Pneumatic connection: G<sup>1</sup>/<sub>8</sub>, G<sup>1</sup>/<sub>4</sub>, G<sup>3</sup>/<sub>8</sub>
- Pressure dew point reduction: 20 K
- Supply pressure: 3 ... 12.5 bar
- Flow rate: 50 ... 100 l/min

Product Range Overview						
Type	Flow rate [l/min]	Pneumatic connections		Bowl guard		Reverse flow
		Body thread	Port plate	Plastic bowl guard	Metal bowl	Flow direction from right to left
MS4			AG...	R	U	Z
LDM1	50 ... 100	G <sup>1</sup> / <sub>8</sub> , G <sup>1</sup> / <sub>4</sub>	G <sup>1</sup> / <sub>8</sub> , G <sup>1</sup> / <sub>4</sub> , G <sup>3</sup> / <sub>8</sub>	–	■	■

### Features

- Optimum final dryer with excellent operational reliability
- Suitable for use as an individual unit or for integration in existing service unit combinations
- Flow rate-dependent dew point reduction
- Wear-free function requiring no external energy
- 15% purge air flow rate
- Optional purge ring for ducting of purging air

Typical areas of application:

- Drying, cleaning of precision parts
- Measuring technology
- Rinsing of precision glass scales
- Painting systems
- Paper and packaging machines

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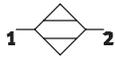
→ [www.festo.com/catalog/ms4-ldm](http://www.festo.com/catalog/ms4-ldm)

# Membrane Air Dryers MS4-LDM1 – Metric Series

FESTO

Technical Data

ISO Symbol



## Note

Prefiltration of the compressed air using a micro filter MS-LFM-A, filtration grade 0.01  $\mu\text{m}$  (residual particles < 0.1  $\mu\text{m}$ , residual oil content < 0.1  $\text{mg}/\text{m}^3$ ) is vital for flawless functioning of the unit.

General Technical Data		
Pneumatic connection 1, 2	G1/8	G1/4
Pressure dew point reduction [K]	20	
Supply pressure [bar]	3 ... 12.5	

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

Standard Flow Rate $q_n^{1)}$ [l/min]	Standard Flow Rate $q_n^{1)}$ [l/min]	
	Cartridge P05	Cartridge P10
Input $q_{n \text{ In}}$	59	118
Output $q_{n \text{ Out}}$	50	100
Purge air $q_{n \text{ Purge}}$	8.8	17.6

1) Measured at  $p_1 = 6.9 \text{ bar}$ ,  $\theta_{\text{pd In}} = 25 \text{ }^\circ\text{C}$ ,  $\theta_{\text{pd Out}} = 5 \text{ }^\circ\text{C} \pm 1.5 \text{ }^\circ\text{C}$  ( $\theta_{\text{pA Out}} = -21.5 \text{ }^\circ\text{C} \pm 1.2 \text{ }^\circ\text{C}$ ),  $\theta_{\text{amb}} = 25 \text{ }^\circ\text{C}$

Operating and Environmental Conditions	
Operating medium	Compressed air, air quality class 1.7.2 to DIN ISO 8573-1
Ambient temperature [°C]	+2 ... +50
Temperature of medium [°C]	+2 ... +50
Storage temperature [°C]	-20 ... +60
Assembly position	Vertical $\pm 5^\circ$
Corrosion resistance class CRC <sup>2)</sup>	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 [g]	Weights [g]	
	Cartridge P05	Cartridge P10
Membrane air dryer	420	530

- For spare parts go to: [www.festo.com/en/spare\\_parts\\_service](http://www.festo.com/en/spare_parts_service)

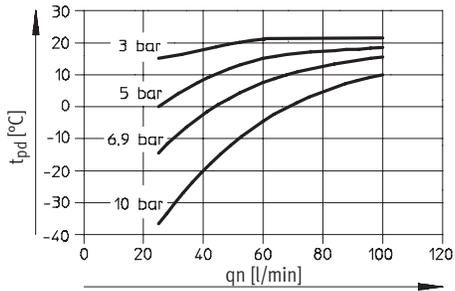
# Membrane Air Dryers MS4-LDM1 – Metric Series

Technical Data

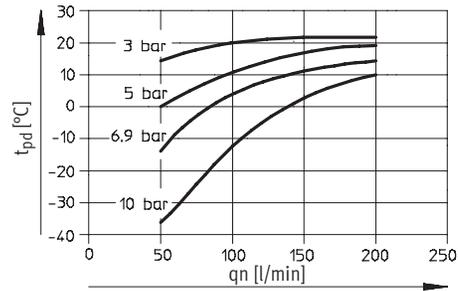


## Pressure Dew Point $t_{pd}$ (Output) as a Function of the Standard Flow Rate at Output $q_n$

MS4-LDM1-...-P05

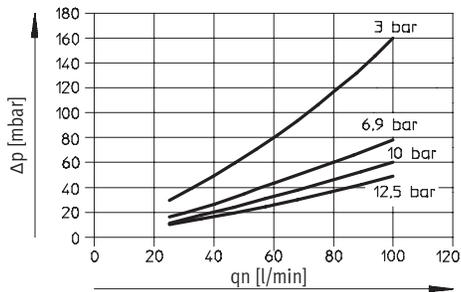


MS4-LDM1-...-P10

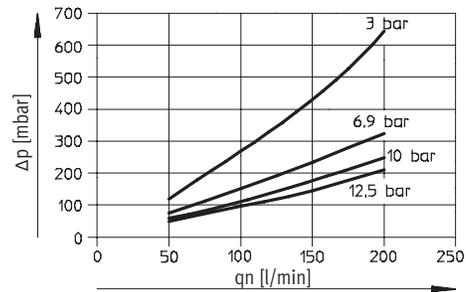


## Differential Pressure $\Delta p$ as a Function of the Standard Flow Rate at Output $q_n$

MS4-LDM1-...-P05

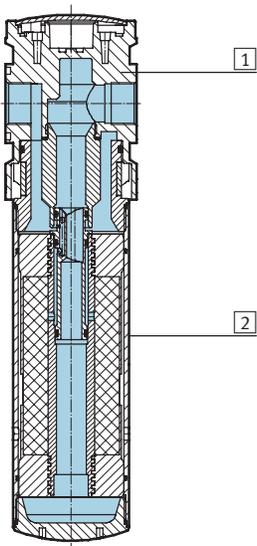


MS4-LDM1-...-P10



## Materials

Sectional view



Membrane air dryer		
1	Housing	Die-cast aluminum
2	Bowl	Wrought aluminum alloy
-	Seals	Nitrile rubber

# Membrane Air Dryers MS4-LDM1 – Metric Series

Dimensional Drawings, Ordering Data – Pre-configured Products



Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

**1** Push-in fitting QS-1/4-10 (included in scope of delivery), for tubing with outside diameter of 10 mm and min. inside diameter of 7 mm.

→ Flow direction

Type	B1	B2	B3	D1	D2	L1	L2	L3	L4	L5
MS4-LDM1-1/8-P05	40	21	54	G1/8	64	245	29	60	18	40
MS4-LDM1-1/8-P10						345				
MS4-LDM1-1/4-P05	40	21	54	G1/4	64	245	29	60	18	40
MS4-LDM1-1/4-P10						345				

1) Dimensions are in millimeters, unless otherwise noted.

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

Ordering Data				
Flow cartridge	Connection	Part No.	Type	LT
P10	G1/8	543630	MS4-LDM1-1/8-P10	Q
	G1/4	543632	MS4-LDM1-1/4-P10	Q

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

# Membrane Air Dryers MS4-LDM1 – Metric Series



Ordering Data – Configurable Products

M Mandatory Data						O Options		
Part No.	Series	Size	Function	Connection size	Flow cartridge	Purging air	Type of mounting	Reverse flow direction
543628	MS	4	LDM1	1/8, 1/4, AGA, AGB, AGC	P05 P10	PAC	WP WPM WB WBM	Z
<b>Order example</b>								
<b>543628</b>	<b>MS</b>	<b>4</b>	<b>- LDM1</b>	<b>- AGC</b>	<b>- P10</b>	<b>-</b>	<b>- WP</b>	<b>-</b>

Ordering Table		Grid dimension [mm]	40	Conditions	Code	Enter code
M	Part No.	543628				
	Series	Standard			MS	MS
	Size	4			4	4
	Function	Membrane dryer			-LDM1	-LDM1
	Connection size	Body thread G1/8			-1/8	
		Body thread G1/4			-1/4	
		Port plate G1/8 (dimensions → 314)			-AGA	
		Port plate G1/4 (dimensions → 314)			-AGB	
		Port plate G3/8 (dimensions → 314)			-AGC	
	Flow cartridge	50 l/min			-P05	
		100 l/min			-P10	
O	Purging air	Ducted purging air			-PAC	
	Type of mounting	Mounting bracket (dimensions → 315)		1	-WP	
		Mounting bracket (dimensions → 315)		1	-WPM	
		Mounting bracket (dimensions → 312)			-WB	
		Mounting bracket (dimensions → 312)			-WBM	
	Reverse flow direction	Flow direction from right to left			-Z	

1 WP, WPM Only with port plate AGA, AGB or AGC

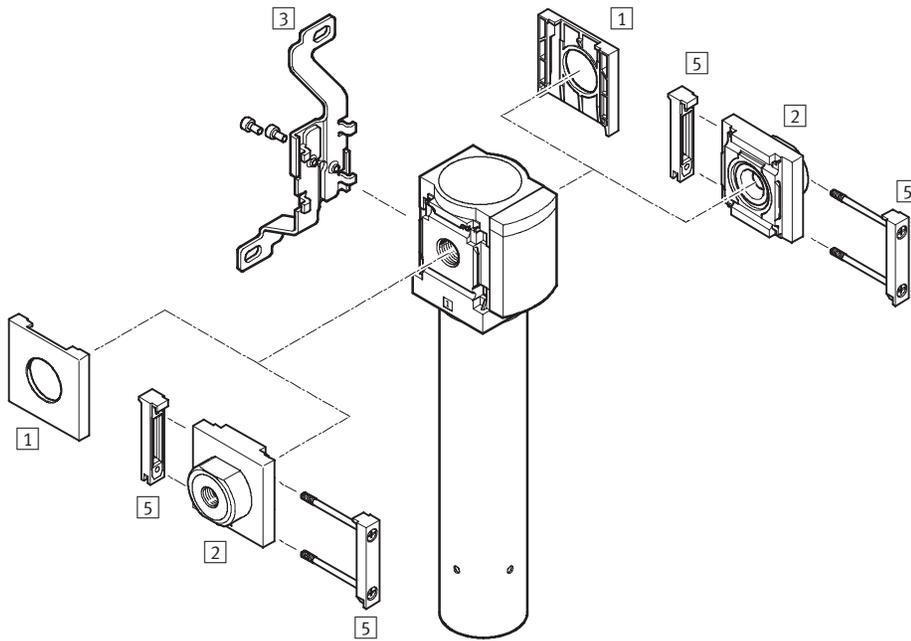
Transfer order code

543628	MS	4	-	LDM1	-		-		-	
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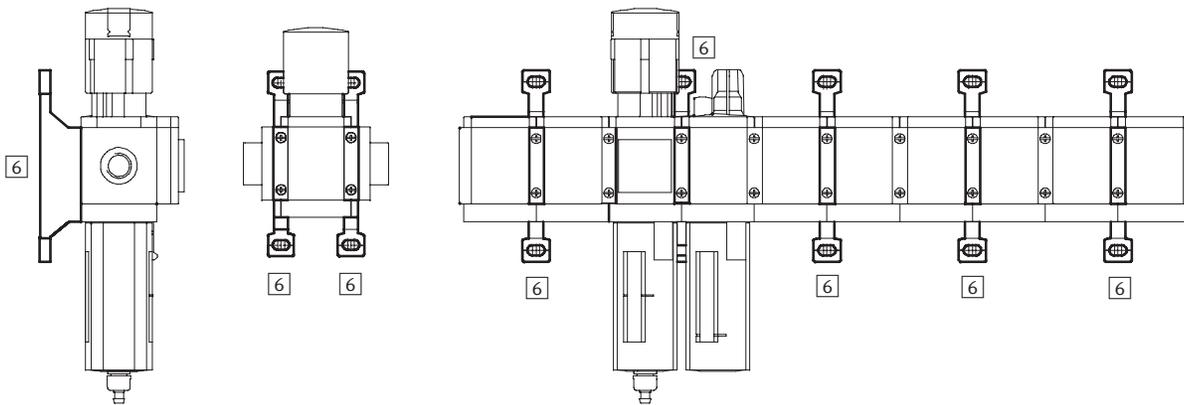
# Membrane Air Dryers MS4-LDM1 – Metric Series

Accessories Overview

## Mounting Attachments and Accessories



Single unit and combination unit mounting brackets.



# Membrane Air Dryers MS4-LDM1 – Metric Series

Accessories Overview

Mounting Attachments and Accessories						
		Single unit		Combination unit → 2.1-1		→ Page
		without port plate	with port plate	without port plate	with port plate	
1	Cover cap MS4-END	■	-	■	-	313
2	Port plate MS4-AG...	-	■	-	■	314
3	Mounting bracket MS4-WB	■	■	-	-	312
5	Body connector MS4-MV	-	■	■	■	314
-	Mounting bracket MS4-WBM	■	■	-	-	312
6	Mounting bracket MS4-WP/WPB/WPM	-	■	■	■	315

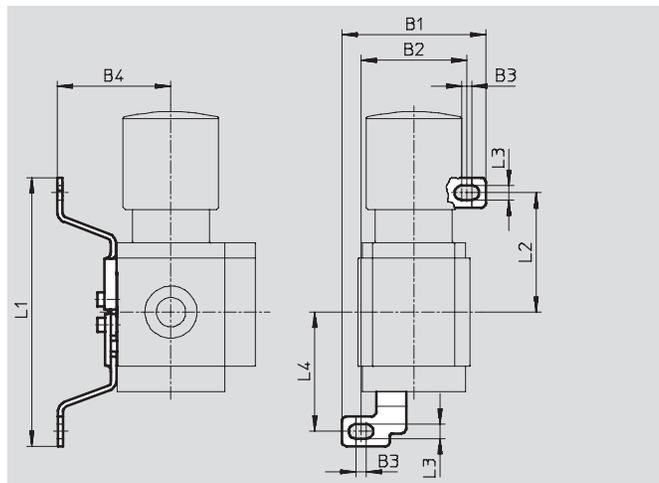
# Membrane Air Dryers MS4-LDM1 – Metric Series

Accessories

## 3 Mounting bracket MS4-WB

- For wall mounting

Material:  
Steel

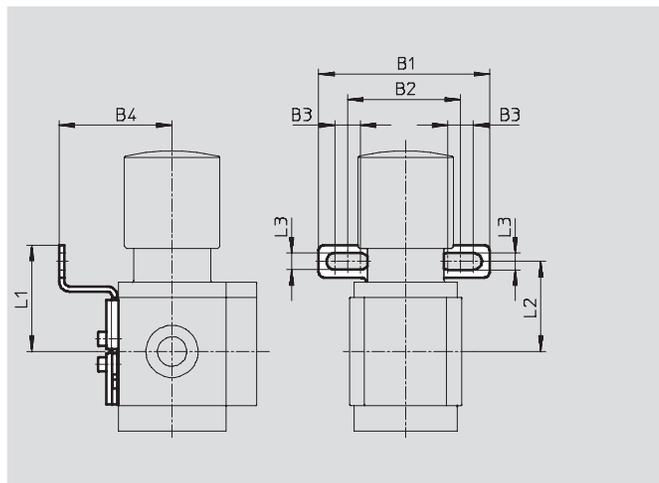


Dimensions and Ordering Data										
B1	B2	B3	B4	L1	L2	L3	L4	Weight [g]	Part No.	Type
56.2	41.2	4	44.2	104.6	46.6	5.6	46.5	46	532185	MS4-WB

## Mounting bracket MS4-WBM

- For wall mounting

Material:  
Steel



Dimensions and Ordering Data									
B1	B2	B3	B4	L1	L2	L3	Weight [g]	Part No.	Type
66.5	44	10	44	41.3	35	6.5	48	526062	MS4-WBM

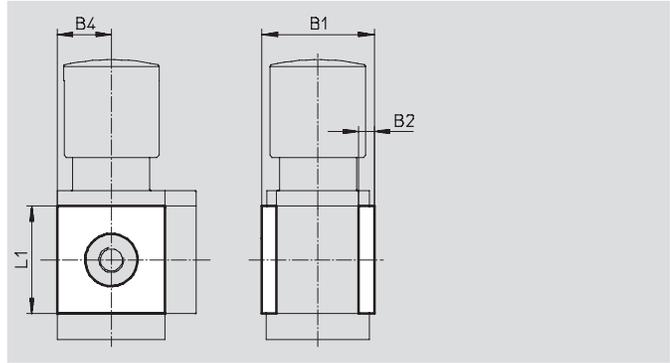
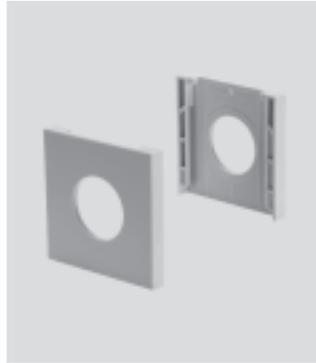
# Membrane Air Dryers MS4-LDM1 – Metric Series

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

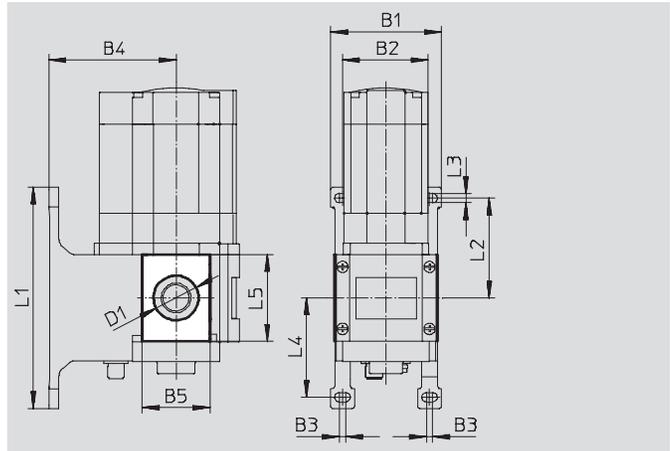
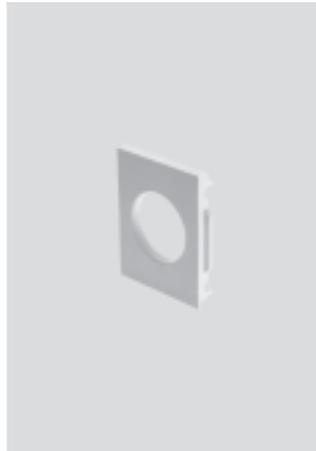


Dimensions and Ordering Data						
B1	B2	B4	L1	Part No.	Type	
43.6	6	21	42	538779	MS4-END	

## Mounting plate MS4-AEND

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

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



Dimensions and Ordering Data															
B1	B2	B3	B4		B5	D1 ∅	L1	L2	L3	L4	L5	CRC <sup>1)</sup>	Weight [g]	Part No.	Type
			WP	WPB											
55.2	40.2	4	44	66	30.4	20.3	106	46.5	5.6	46.7	42	2	4	542966	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.

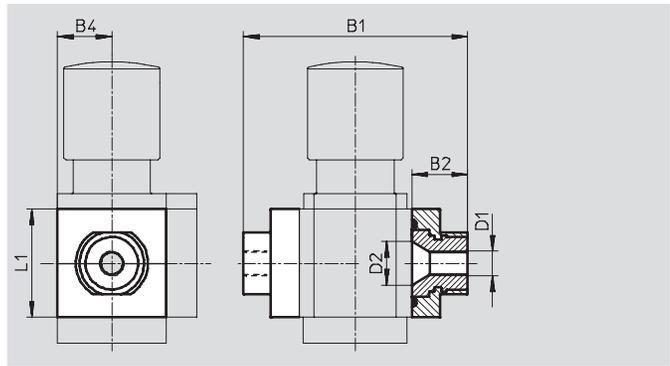
## Membrane Air Dryers MS4-LDM1 – Metric Series

Accessories

### 2 Port plate MS4-AG...

- Adapter for pneumatic connection

Material:  
Aluminum



Dimensions and Ordering Data							
B1	B2	B4	D1	D2	L1	Weight [g]	Part No. Type
83.5	21.5	21	G1/8	16.8	42	128	526068 MS4-AGA
			G1/4				526069 MS4-AGB
			G3/8				526070 MS4-AGC

### 5 Body connector MS4-MV

- For connecting modules

Material:  
Stainless steel/polyacetate



Ordering Data		
Weight [g]	Part No.	Type
36	532798	MS4-MV

# Membrane Air Dryers MS4-LDM1 – Metric Series

Accessories

## 6 Mounting Bracket MS4-WP...

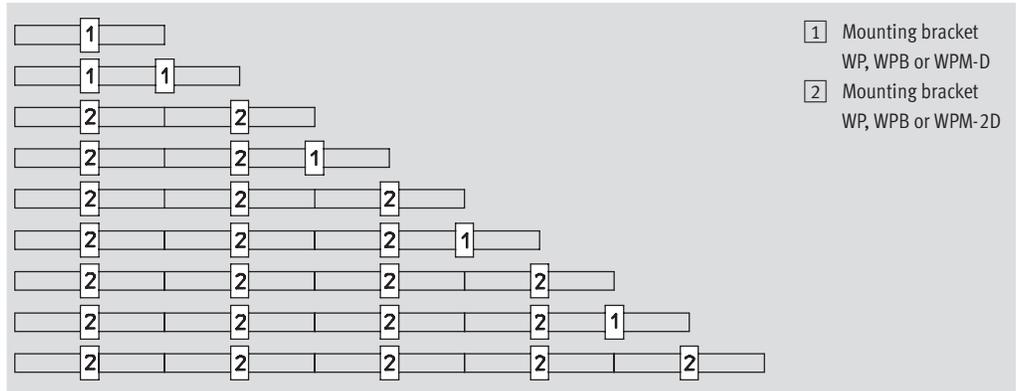
Suggested placement of wall mounting brackets when mounting air preparation combinations

1 unit: 40 mm

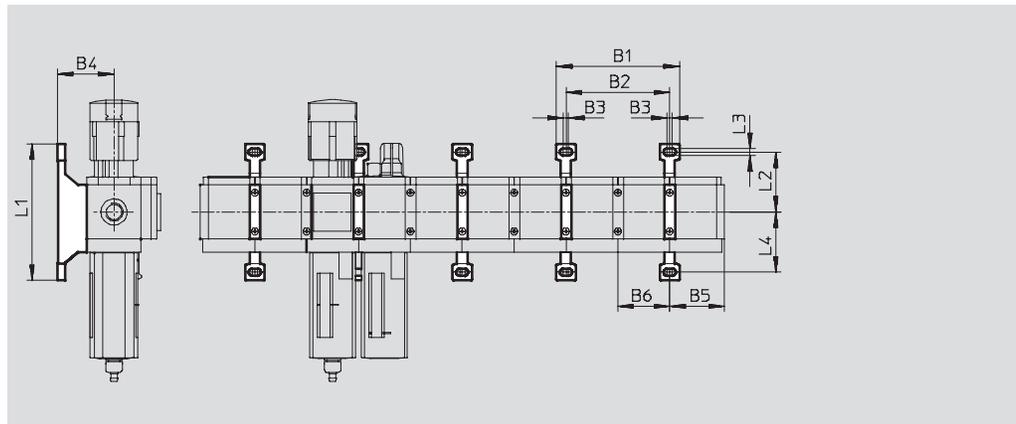
2 units: 80 mm

Number of units

1 2 3 4 5 6 7 8 9 10



## Mounting dimensions



Type	B1	B2	B3	B4	B5	B6	L1	L2	L3	L4
MS4-WP	95.2	80	4	44	41.9	40	106	46.5	5.6	46.7
MS4-WPB				66						
MS4-WPM-...D				44						

# Membrane Air Dryers MS4-LDM1 – Metric Series

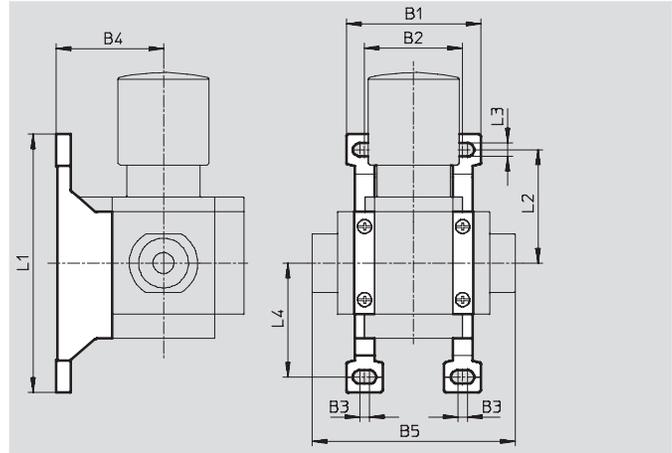


Accessories

## 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

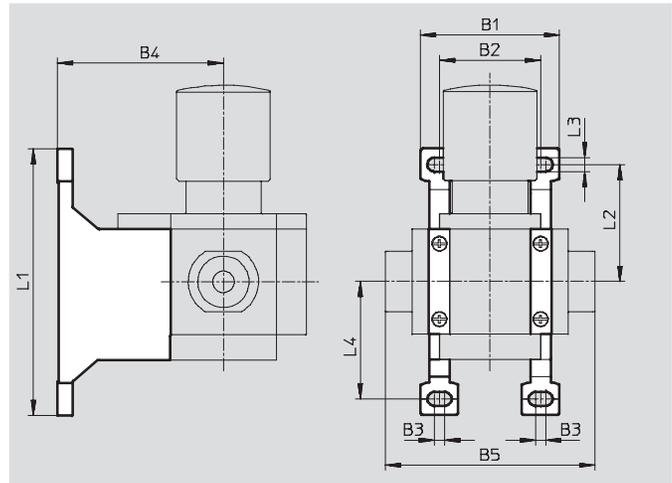


Dimensions and Ordering Data											
B1	B2	B3	B4	B5	L1	L2	L3	L4	Weight [g]	Part No.	Type
55.2	40.2	4	44	83.4	106	46.5	5.6	46.7	39	532184	MS4-WP

## 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 and Ordering Data											
B1	B2	B3	B4	B5	L1	L2	L3	L4	Weight [g]	Part No.	Type
55.2	40.2	4	66	83.4	106	46.5	5.6	46.7	55	526063	MS4-WPB

# Membrane Air Dryers MS4-LDM1 – Metric Series

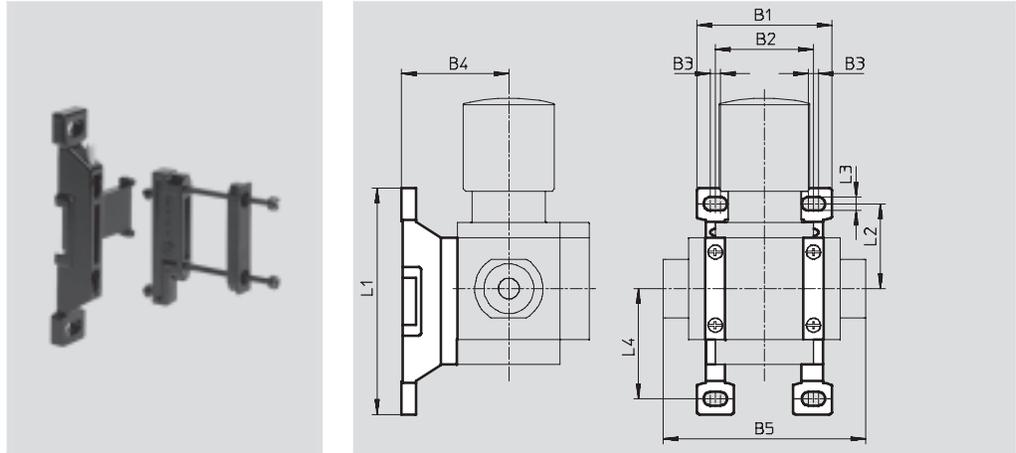
Accessories

## 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

Material:  
Die-cast aluminum



Dimensions and Ordering Data												
B1	B2	B3	B4	B5	L1	L2	L3	L4	Clearance	Weight [g]	Part No.	Type
55.2	40	4	44	83.4	92.8	34.8	5.6	45.2	40	45	526060	MS4-WPM-D
95.2	80			123.4					80	55	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.	Type
MS4	532800	MS4-MVM



# Membrane Air Dryers MS4N-LDM1 – Inch Series



Membrane air dryers remove water vapor from the compressed air and lower the dew point preventing moisture from forming downstream. Pre-filtration with a grade of 0.01 micron is required.

- Pneumatic connection: 1/8 NPT, 1/4 NPT, 3/8 NPT
- Pressure dew point reduction: 20 K
- Supply pressure: 44 ... 184 psi
- Flow rate: 1.8 ... 3.5 scfm

Product Range Overview						
Type	Flow rate [scfm]	Pneumatic connections		Bowl guard		Reverse flow
		Body thread	Port plate	Plastic bowl guard	Metal bowl	Flow direction from right to left
<b>MS4N</b>			<b>AG...</b>	<b>R</b>	<b>U</b>	<b>Z</b>
LDM1	1.8 ... 3.5	1/8 NPT, 1/4 NPT	1/8 NPT, 1/4 NPT, 3/8 NPT	-	■	■

### Features

- Optimum final dryer with excellent operational reliability
- Suitable for use as an individual unit or for integration in existing service unit combinations
- Flow rate-dependent dew point reduction
- Wear-free function requiring no external energy
- 15% purge air flow rate
- Optional purge ring for ducting of purging air

- Typical areas of application:
- Drying, cleaning of precision parts
  - Measuring technology
  - Rinsing of precision glass scales
  - Painting systems
  - Paper and packaging machines

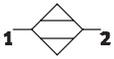
### Contents

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  - Dimensional Drawings → 322
  - Ordering Data → 322
  - Accessories → 324
- [www.festo.com/catalog/ms4n-ldm](http://www.festo.com/catalog/ms4n-ldm)

# Membrane Air Dryers MS4N-LDM1 – Inch Series

Technical Data

ISO Symbol



**Note**

Prefiltration of the compressed air using a micro filter MS-LFM-A, filtration grade 0.01 μm (residual particles < 0.1 μm, residual oil content < 0.1 mg/m<sup>3</sup>) is vital for flawless functioning of the unit.

General Technical Data		
Pneumatic connection 1, 2	1/8 NPT	1/4 NPT
Pressure dew point reduction [°F]	68	
Supply pressure [psi]	44 ... 184	

Standard Flow Rate q <sub>n</sub> <sup>1)</sup> [scfm]		
	Cartridge P05	Cartridge P10
Input q <sub>n In</sub>	2.1	4.2
Output q <sub>n Out</sub>	1.8	3.5
Purge air q <sub>n Purge</sub>	0.3	0.6

1) Measured at p<sub>1</sub> = 102 psi, θ<sub>pd In</sub> = +77 °F, θ<sub>pd Out</sub> = +41 °F ± 3 °F (θ<sub>pA Out</sub> = -7 °F ± 2 °F), θ<sub>amb</sub> = +77 °F

Operating and Environmental Conditions	
Operating medium	Compressed air, air quality class 1.7.2 to DIN ISO 8573-1
Ambient temperature [°F]	+36 ... +122
Temperature of medium [°F]	+36 ... +122
Storage temperature [°F]	-4 ... +140
Assembly position	Vertical ±5°
Corrosion resistance class CRC <sup>2)</sup>	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]		
	Cartridge P05	Cartridge P10
Membrane air dryer	0.84	1.06

- For spare parts go to: [www.festo.com/en/spare\\_parts\\_service](http://www.festo.com/en/spare_parts_service)

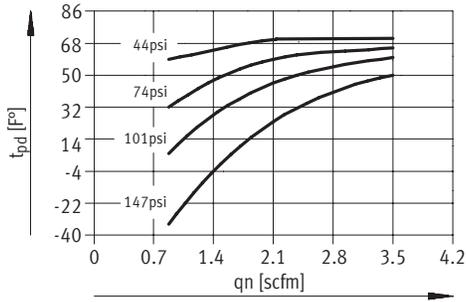
# Membrane Air Dryers MS4N-LDM1 – Inch Series

Technical Data

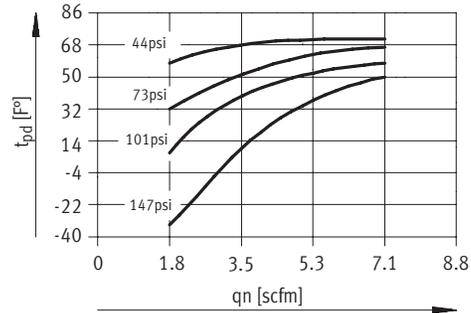


## Pressure Dew Point $t_{pd}$ (Output) as a Function of the Standard Flow Rate at Output $q_n$

MS4N-LDM1-...-P05

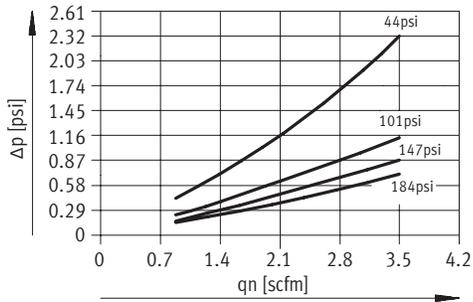


MS4N-LDM1-...-P10

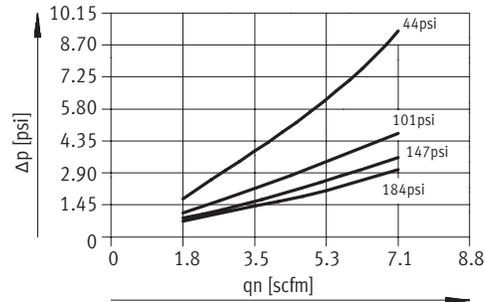


## Differential Pressure $\Delta p$ as a Function of the Standard Flow Rate at Output $q_n$

MS4N-LDM1-...-P05

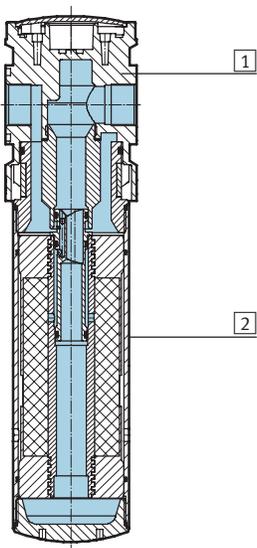


MS4N-LDM1-...-P10



## Materials

Sectional view



Membrane air dryer		
1	Housing	Die-cast aluminum
2	Bowl	Wrought aluminum alloy
-	Seals	Nitrile rubber

# Membrane Air Dryers MS4N-LDM1 – Inch Series

Dimensional Drawings, Ordering Data – Pre-configured Products

Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

**1** Push-in fitting QS-1/4-10 (included in scope of delivery), for tubing with outside diameter of 10 mm and min. inside diameter of 7 mm.

→ Flow direction

Type	B1	B2	B3	D1	D2	L1	L2	L3	L4	L5
MS4N-LDM1-1/8-P05	1.57	0.83	2.13	1/8 NPT	2.52	9.65	1.14	2.36	0.71	1.57
MS4N-LDM1-1/8-P10						13.58				
MS4N-LDM1-1/4-P05	1.57	0.83	2.13	1/4 NPT	2.52	9.65	1.14	2.36	0.71	1.57
MS4N-LDM1-1/4-P10						13.58				

1) Dimensions are in inches, unless otherwise noted.

Ordering Data				
Flow cartridge	Connection	Part No.	Type	LT
P10	1/8 NPT	543634	MS4N-LDM1-1/8-P10	Q
	1/4 NPT	543636	MS4N-LDM1-1/4-P10	Q

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

# Membrane Air Dryers MS4N-LDM1 – Inch Series



Ordering Data – Configurable Products

M Mandatory Data							O Options		
Part No.	Series	Size	Thread	Function	Connection size	Flow cartridge	Purging air	Type of mounting	Reverse flow direction
543629	MS	4	N	LDM1	1/8, 1/4, AQP, AQN, AQP	P05 P10	PAC	WP WPM WB WBM	Z
<b>Order example</b>									
<b>543629</b>	<b>MS</b>	<b>4</b>	<b>N</b>	<b>- LDM1</b>	<b>- AQP</b>	<b>- P10</b>	<b>-</b>	<b>- WP</b>	<b>-</b>

Ordering Table		Grid dimension [mm]	40	Conditions	Code	Enter code
M	Part No.	543629				
	Series	Standard			MS	MS
	Size	4			4	4
	Thread	NPT thread			N	N
	Function	Membrane dryer			-LDM1	-LDM1
	Connection size	Body thread 1/8 NPT			-1/8	
		Body thread 1/4 NPT			-1/4	
		Port plate 1/8 NPT (dimensions → 328)			-AQK	
		Port plate 1/4 NPT (dimensions → 328)			-AQN	
		Port plate 3/8 NPT (dimensions → 328)			-AQP	
	Flow cartridge	1.8 scfm			-P05	
		3.5 scfm			-P10	
O	Purging air	Ducted purging air			-PAC	
	Type of mounting	Mounting bracket (dimensions → 329)		1	-WP	
		Mounting bracket (dimensions → 329)		1	-WPM	
		Mounting bracket (dimensions → 326)			-WB	
		Mounting bracket (dimensions → 326)			-WBM	
	Reverse flow direction	Flow direction from right to left			-Z	

1 WP, WPM Only with port plate AQK, AQN or AQP

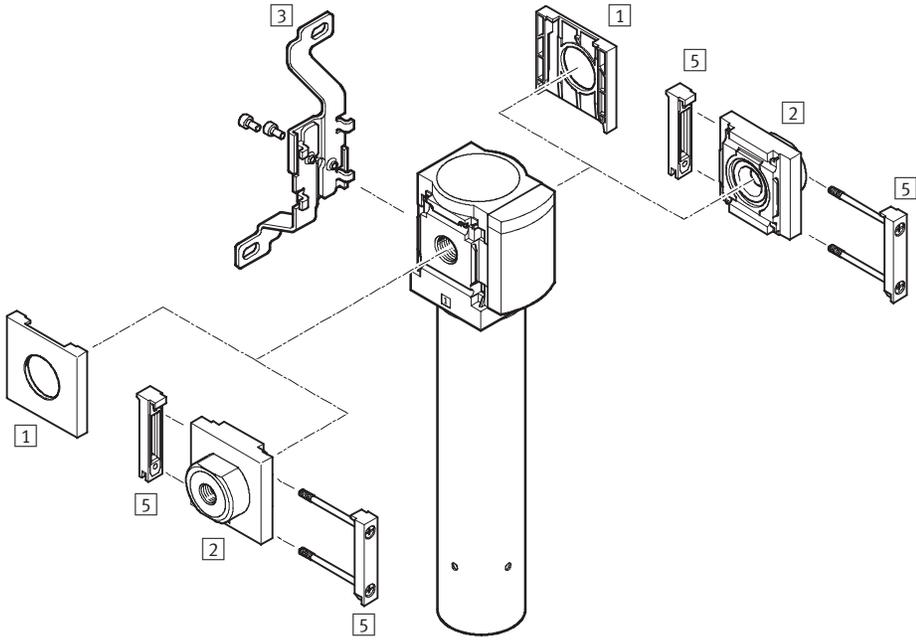
Transfer order code

543629	MS	4	N	-	LDM1	-		-		-	
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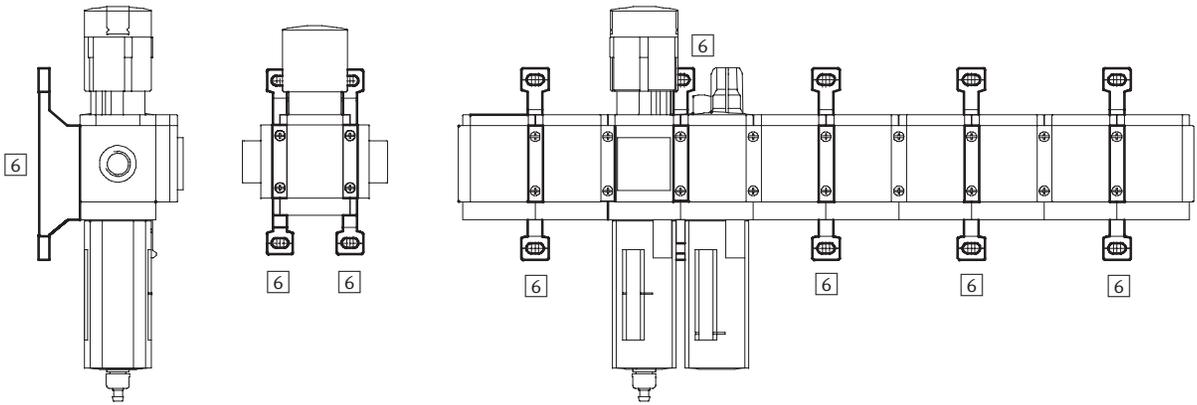
# Membrane Air Dryers MS4N-LDM1 – Inch Series

Accessories Overview

## Mounting Attachments and Accessories



Single unit and combination unit mounting brackets.



# Membrane Air Dryers MS4N-LDM1 – Inch Series

Accessories Overview

Mounting Attachments and Accessories						
		Single unit		Combination unit → 2.1-49		→ Page
		without port plate	with port plate	without port plate	with port plate	
1	Cover cap MS4-END	■	-	■	-	327
2	Port plate MS4N-AQ...	-	■	-	■	328
3	Mounting bracket MS4-WB	■	■	-	-	326
5	Body connector MS4-MV	-	■	■	■	328
-	Mounting bracket MS4-WBM	■	■	-	-	326
6	Mounting bracket MS4-WP/WPB/WPM	-	■	■	■	329

# Membrane Air Dryers MS4N-LDM1 – Inch Series

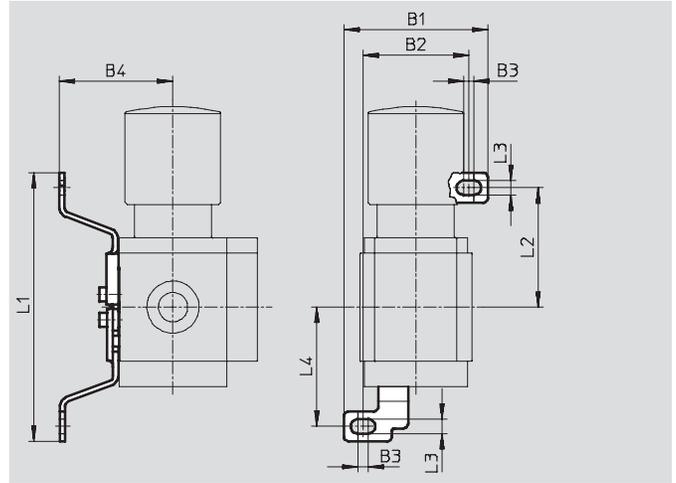


Accessories

## 3 Mounting bracket MS4-WB

- For wall mounting

Material:  
Steel

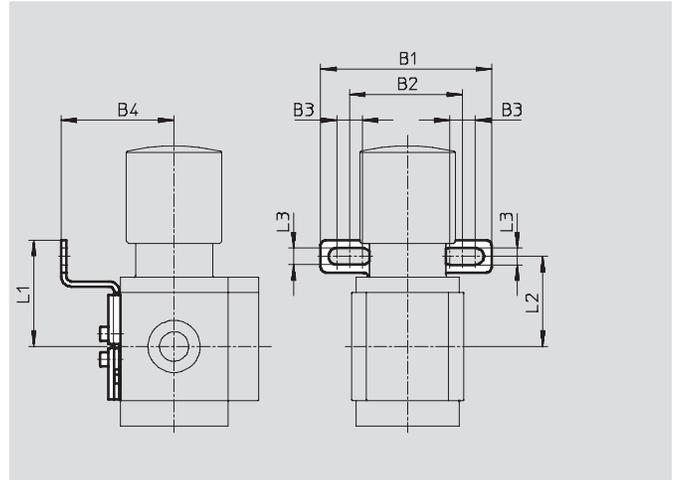


Dimensions and Ordering Data										
B1	B2	B3	B4	L1	L2	L3	L4	Weight [lb]	Part No.	Type
2.21	1.62	0.16	1.74	4.12	1.83	0.22	1.83	0.09	532185	MS4-WB

## Mounting bracket MS4-WBM

- For wall mounting

Material:  
Steel



Dimensions and Ordering Data									
B1	B2	B3	B4	L1	L2	L3	Weight [lb]	Part No.	Type
2.62	1.73	0.39	1.73	1.63	1.38	0.26	0.10	526062	MS4-WBM

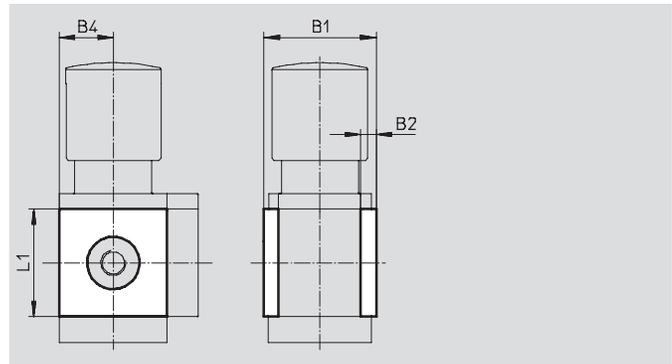
# Membrane Air Dryers MS4N-LDM1 – Inch Series

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

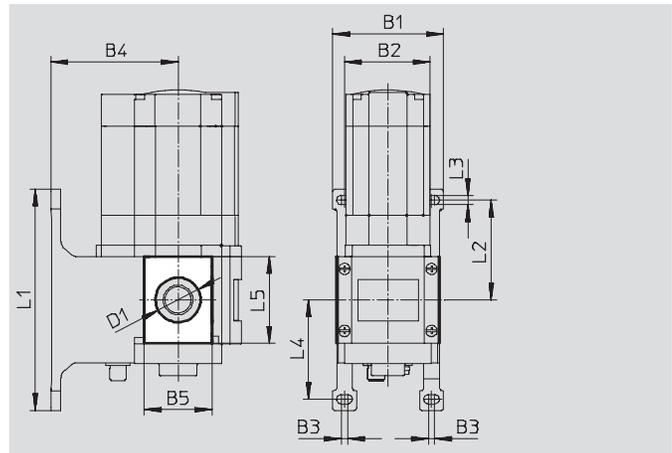
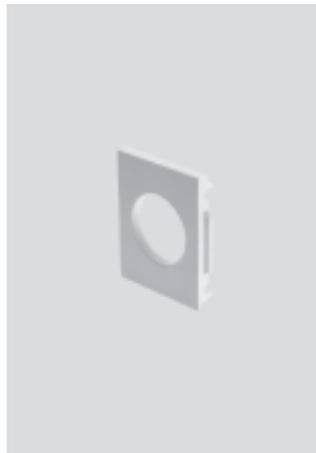


Dimensions and Ordering Data						
B1	B2	B4	L1	Part No.	Type	
1.72	0.24	0.83	1.65	538779	MS4-END	

## Mounting plate MS4-AEND

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

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



Dimensions and Ordering Data															
B1	B2	B3	B4		B5	D1 ∅	L1	L2	L3	L4	L5	CRC <sup>1)</sup>	Weight [lb]	Part No.	Type
			WP	WPB											
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	542966	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.

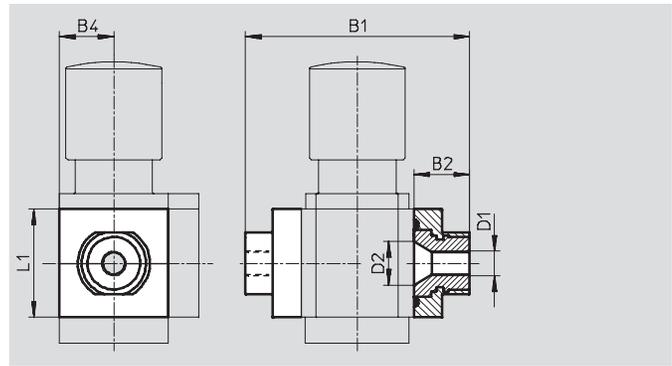
## Membrane Air Dryers MS4N-LDM1 – Inch Series

Accessories

### 2 Port plate MS4N-AQ...

- Adapter for pneumatic connection

Material:  
Aluminum



Dimensions and Ordering Data								
B1	B2	B4	D1	D2	L1	Weight [lb]	Part No.	Type
3.29	0.85	0.83	1/8 NPT	0.66	1.65	0.26	526065	MS4N-AQK
			1/4 NPT				526066	MS4N-AQN
			3/8 NPT				526067	MS4N-AQP

### 5 Body connector MS4-MV

- For connecting modules

Material:  
Stainless steel/polyacetate



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

# Membrane Air Dryers MS4N-LDM1 – Inch Series

Accessories



## 6 Mounting Bracket MS4-WP...

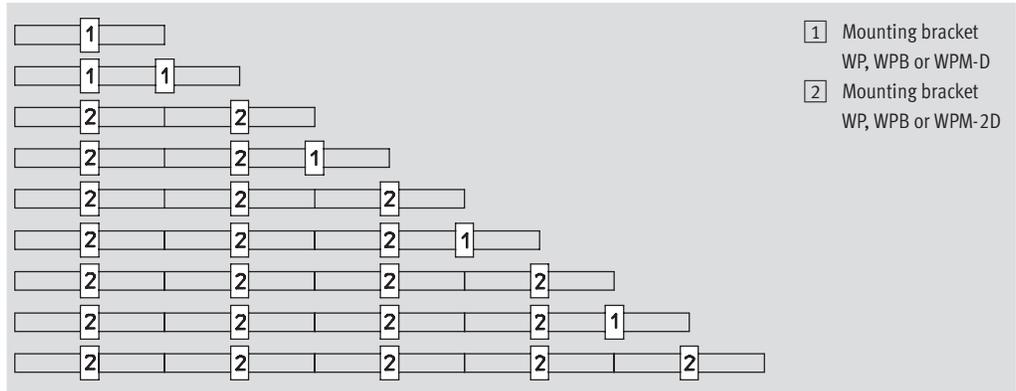
Suggested placement of wall mounting brackets when mounting air preparation combinations

1 unit: 1.575 in

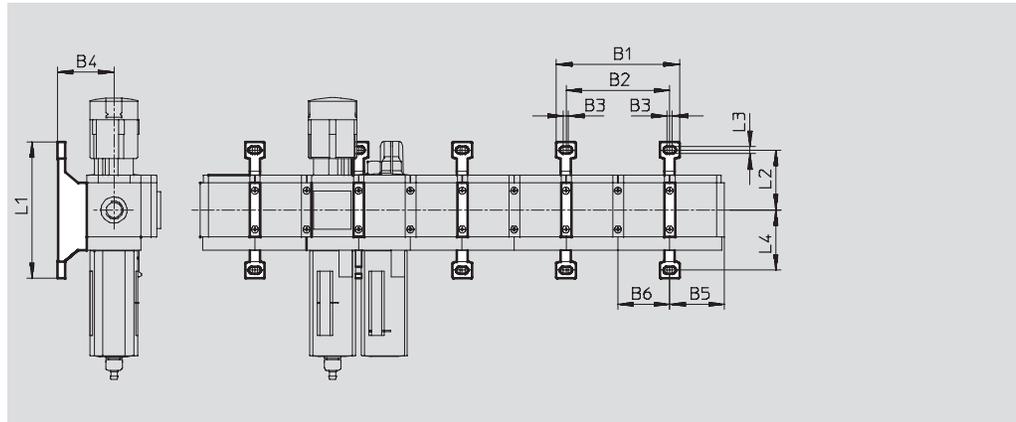
2 units: 3.15 in

Number of units

1 2 3 4 5 6 7 8 9 10



## Mounting dimensions



Type	B1	B2	B3	B4	B5	B6	L1	L2	L3	L4
MS4-WP	3.75	3.15	0.16	1.73	1.65	1.57	4.17	1.83	0.22	1.84
MS4-WPB				2.60						1.57
MS4-WPM-...D				1.73						3.65

# Membrane Air Dryers MS4N-LDM1 – Inch Series

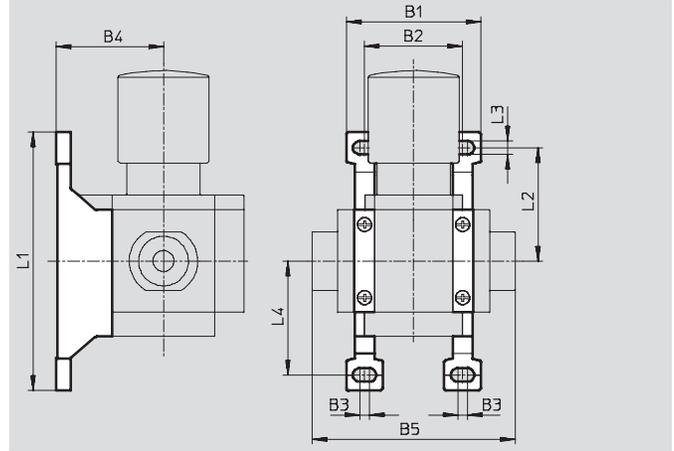


Accessories

## 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

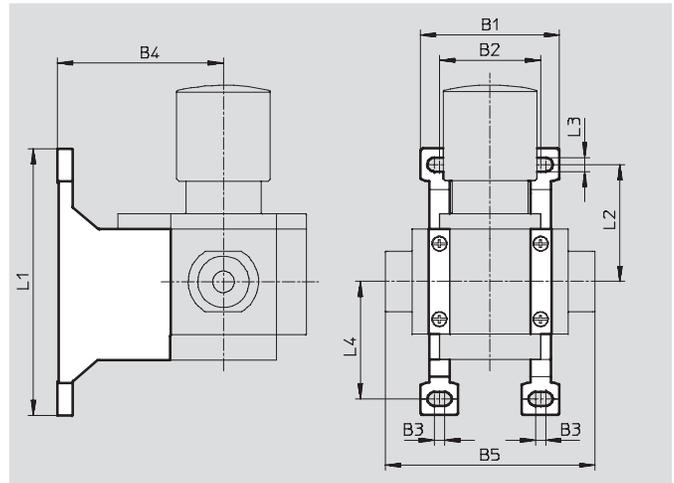


Dimensions and Ordering Data											
B1	B2	B3	B4	B5	L1	L2	L3	L4	Weight [lb]	Part No.	Type
2.17	1.58	0.16	1.73	3.28	4.17	1.83	0.22	1.84	0.08	532184	MS4-WP

## 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 and Ordering Data											
B1	B2	B3	B4	B5	L1	L2	L3	L4	Weight [lb]	Part No.	Type
2.17	1.58	0.16	2.60	3.28	4.17	1.83	0.22	1.84	0.11	526063	MS4-WPB

# Membrane Air Dryers MS4N-LDM1 – Inch Series

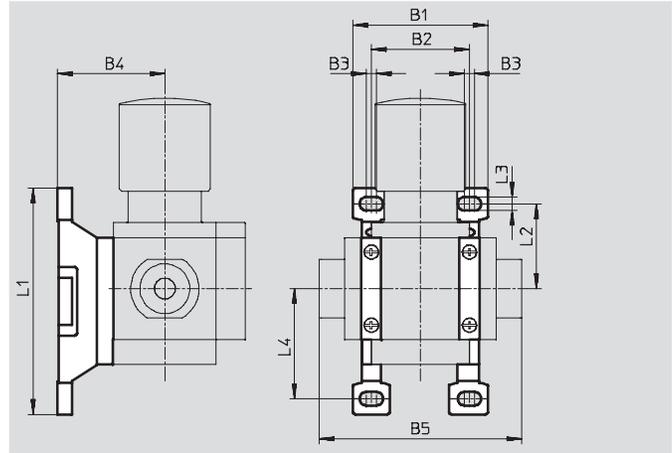
Accessories

## 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

Material:  
Die-cast aluminum



Dimensions and Ordering Data												
B1	B2	B3	B4	B5	L1	L2	L3	L4	Clearance	Weight [lb]	Part No.	Type
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			4.86					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



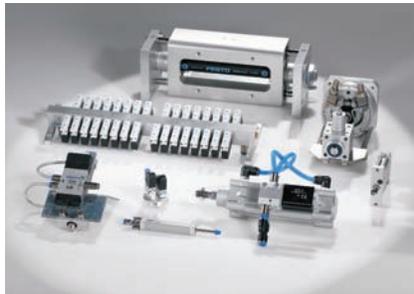
Ordering Data		
Size	Part No.	Type
MS4	532800	MS4-MVM



# Product Range and Company Overview

## A Complete Suite of Automation Services

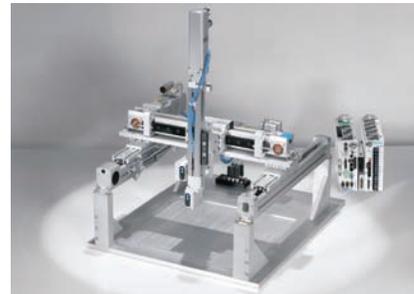
Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



**Custom Automation Components**  
Complete custom engineered solutions



**Custom Control Cabinets**  
Comprehensive engineering support and on-site services



**Complete Systems**  
Shipment, stocking and storage services

## The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



**Electromechanical**  
Electromechanical actuators, motors, controllers & drives



**Pneumatics**  
Pneumatic linear and rotary actuators, valves, and air supply



**PLCs and I/O Devices**  
PLC's, operator interfaces, sensors and I/O devices

## Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 11,500 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

## Quality Assurance, ISO 9001 Certification

Festo Corporation is committed to provide Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

All Festo locations within the United States are registered to ISO 9001.



# Festo North America

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For ordering assistance, or to find  
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**Email:** [customer.service@us.festo.com](mailto:customer.service@us.festo.com)

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