

## Fine and Micro Filters MS6N-LFM – Inch Series

**FESTO**



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 Range Overview |                           |                                    |                       |   |   |    |                    |            |            |               |                 |                        |                                    |                                    |                                   |                                 |                                   |
|------------------------|---------------------------|------------------------------------|-----------------------|---|---|----|--------------------|------------|------------|---------------|-----------------|------------------------|------------------------------------|------------------------------------|-----------------------------------|---------------------------------|-----------------------------------|
| Type                   | Pneumatic connections     |                                    | Filtration grade [µm] |   |   |    | 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...                              | A                     | B | C | E  | R                  | U          | M          | H             | 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/m<sup>3</sup>
  - ISO class 2 for oil aerosols: max. oil concentration 0.1 mg/m<sup>3</sup>
  - Filter efficiency 99.9999%
- LFM-B:
  - ISO class 2 for particles: max. particle density 1 mg/m<sup>3</sup>
  - ISO class 3 for oil aerosols: max. oil concentration 1 mg/m<sup>3</sup>
  - Filter efficiency 99.99%

### Contents

|                      |       |
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| Replacement Parts    | → 800 |

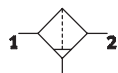
→ [www.festo.com/catalog/ms6n-lfm](http://www.festo.com/catalog/ms6n-lfm)

# Fine and Micro Filters MS6N-LFM – Inch Series

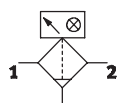
Technical Data

FESTO

ISO Symbol



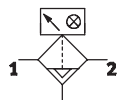
Manual bowl drain  
without differential pressure indicator



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 |            | 1/4 NPT                                                                           | 3/8 NPT | 1/2 NPT |
| 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           | M [psi]    | 0 ... 294 (manual drain)                                                          |         |         |
|                           | H [psi]    | 22 ... 176 (semiautomatic drain)                                                  |         |         |
|                           | V [psi]    | 29 ... 176 (fully automatic drain)                                                |         |         |
|                           | E... [psi] | 12 ... 235 (fully automatic drain, electrically actuated)                         |         |         |

| Standard Nominal Flow Rate qnN <sup>1)</sup> and Standard Flow Rate qn [scfm] |  |         |         |         |
|-------------------------------------------------------------------------------|--|---------|---------|---------|
| 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     |
| qn max                                                                        |  | 33.5    | 33.5    | 33.5    |

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

## Fine and Micro Filters MS6N-LFM – Inch Series

Technical Data

**FESTO**

| Operating and Environmental Conditions    |                                                               |                    |                      |                                                |
|-------------------------------------------|---------------------------------------------------------------|--------------------|----------------------|------------------------------------------------|
| Bowl drain                                | Manual<br>M                                                   | Semiautomatic<br>H | Fully automatic<br>V | Fully automatic, electrically actuated<br>E... |
| Operating medium micro filter LFM-A       | Compressed air, filtered, unlubricated, filtration grade 1 µm |                    |                      |                                                |
| Operating medium fine filter LFM-B        | Compressed air, filtered, unlubricated, filtration grade 5 µm |                    |                      |                                                |
| Max. condensate volume [in <sup>3</sup> ] | 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 <sup>1)</sup>    | 2                                                             |                    |                      |                                                |

1) Corrosion resistance class 2 according to Festo standard 940 070

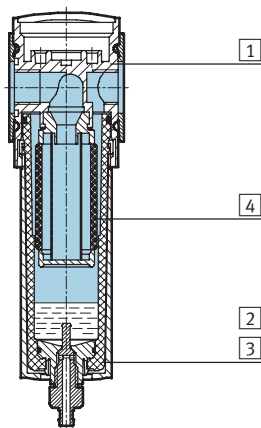
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.

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

- Wearing parts kits → 800
- Filter cartridges → 800
- For spare parts go to: [www.festo.com/en/spare\\_parts\\_service](http://www.festo.com/en/spare_parts_service)

### Materials

Sectional view



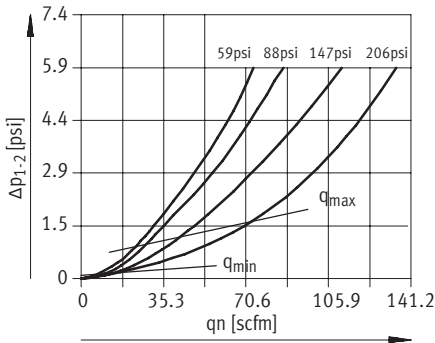
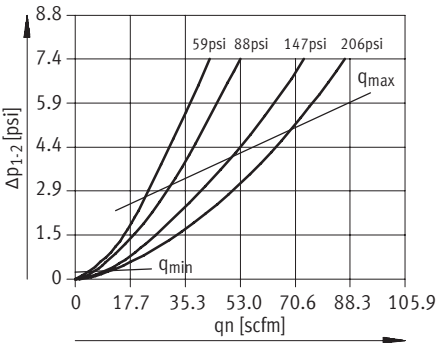
| Fine and micro filter |                    |                         |
|-----------------------|--------------------|-------------------------|
| 1                     | Body               | Die-cast aluminum       |
| 2                     | Plastic bowl guard | Polycarbonate/polyamide |
| 3     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

# Fine and Micro Filters MS6N-LFM – Inch Series

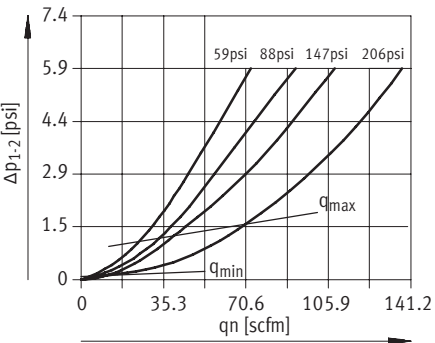
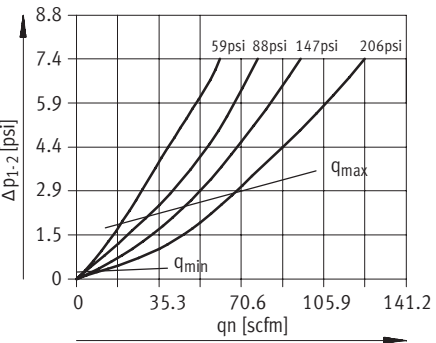
Technical Data

FESTO

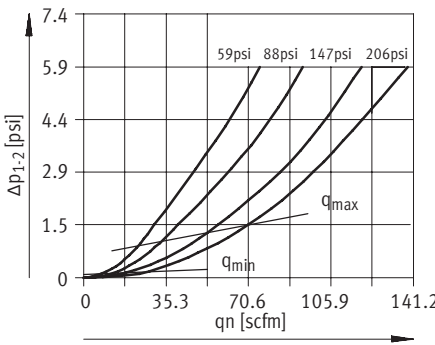
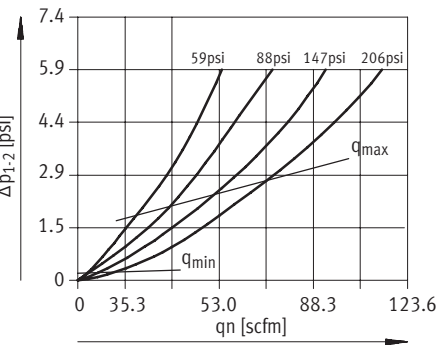
| Standard Flow Rate $q_n$ as a Function of the Differential Pressure $\Delta p_{1-2}$ |                                     |
|--------------------------------------------------------------------------------------|-------------------------------------|
|                                                                                      | Filtration grade 0.01 $\mu\text{m}$ |
| MS6N-LFM-1/4                                                                         |                                     |



|              |
|--------------|
| MS6N-LFM-3/8 |
|--------------|



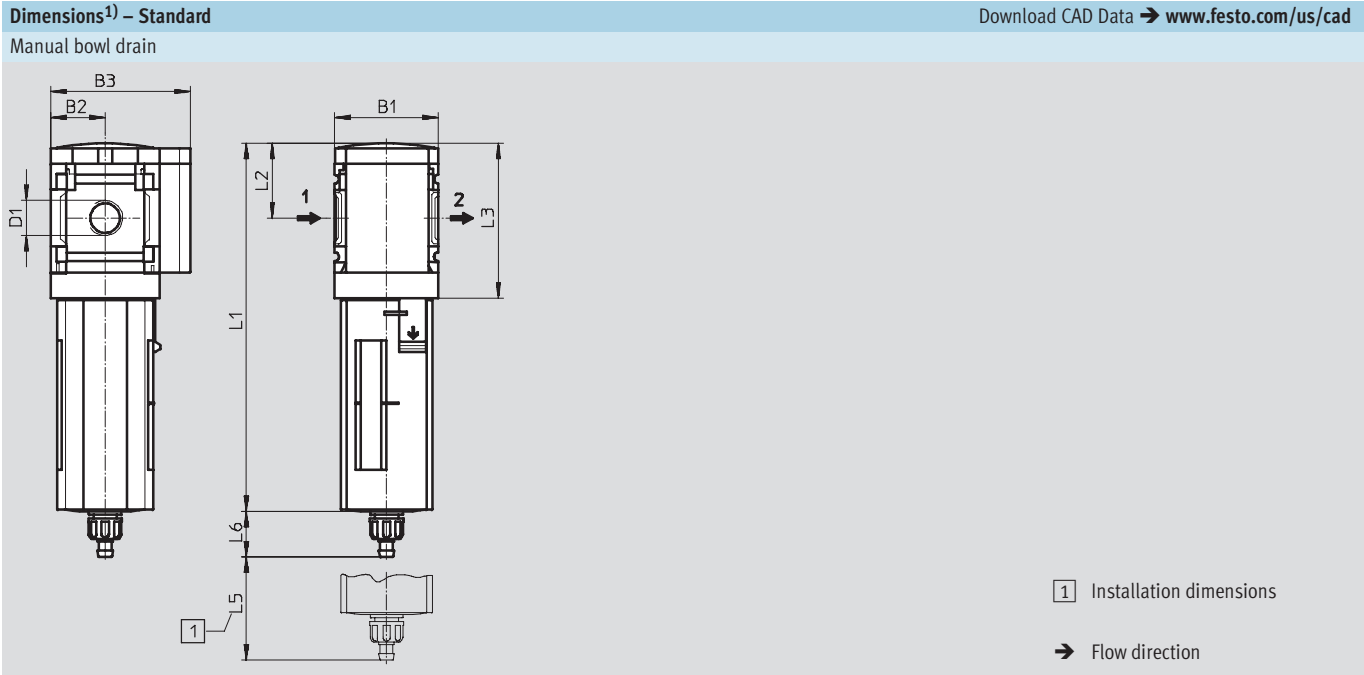
|              |
|--------------|
| MS6N-LFM-1/2 |
|--------------|



# Fine and Micro Filters MS6N-LFM – Inch Series

Dimensional Drawings

**FESTO**



| Type       | B1   | B2   | B3   | D1    | L1         |       | L2   | L3   | L5   | L6         |       |
|------------|------|------|------|-------|------------|-------|------|------|------|------------|-------|
|            |      |      |      |       | Bowl guard |       |      |      |      | Bowl guard |       |
|            |      |      |      |       | Plastic    | Metal |      |      |      | Plastic    | Metal |
| MS6N-LFM-¼ | 2.44 | 1.22 | 2.99 | ¼ NPT | 7.44       | 7.80  | 1.65 | 3.43 | 2.95 | 0.62       | 0.75  |
| MS6N-LFM-⅜ |      |      |      | ⅜ NPT |            |       |      |      |      |            |       |
| MS6N-LFM-½ |      |      |      | ½ NPT |            |       |      |      |      |            |       |

1) Dimensions are in inches, unless otherwise noted.

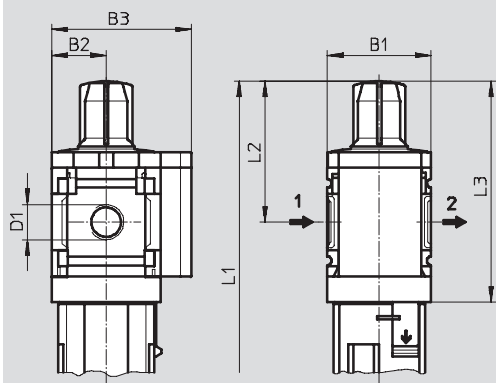
# Fine and Micro Filters MS6N-LFM – Inch Series

Dimensional Drawings

**FESTO**

## Dimensions<sup>1)</sup> – Differential Pressure Indicator

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



→ Flow direction

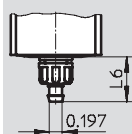
| Type                | B1   | B2   | B3   | D1      | L1<br>Bowl guard |       | L2   | L3   |
|---------------------|------|------|------|---------|------------------|-------|------|------|
|                     |      |      |      |         | Plastic          | Metal |      |      |
| MS6N-LFM-1/4-...-DA | 2.44 | 1.22 | 2.99 | 1/4 NPT | 8.58             | 8.82  | 2.68 | 4.45 |
| MS6N-LFM-3/8-...-DA |      |      |      | 3/8 NPT |                  |       |      |      |
| MS6N-LFM-1/2-...-DA |      |      |      | 1/2 NPT |                  |       |      |      |

1) Dimensions are in inches, unless otherwise noted.

## Dimensions<sup>1)</sup> – Bowl Drain

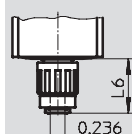
Download CAD Data → [www.festo.com/us/cad](http://www.festo.com/us/cad)

### Manual M



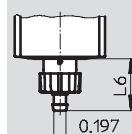
Barbed fitting for plastic tubing  
PCN-4

### Semiautomatic H



QS fitting for plastic tubing  
PUN-6/PAN-6

### Fully automatic V



Barbed fitting for plastic tubing  
PCN-4

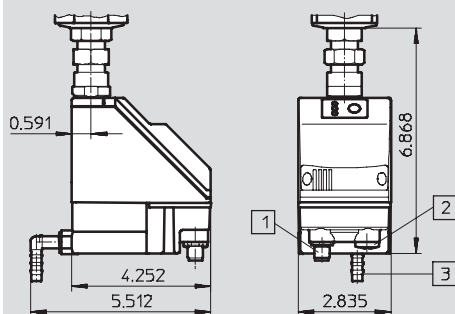
| Type               | L6   |
|--------------------|------|
| Plastic bowl guard |      |
| MS6N-LFM-...-M     | 0.62 |
| Metal bowl         |      |
| MS6N-LFM-...-M     | 0.75 |

| Type               | L6   |
|--------------------|------|
| Plastic bowl guard |      |
| MS6N-LFM-...-H     | 0.80 |
| Metal bowl         |      |
| MS6N-LFM-...-H     | 0.90 |

| Type               | L6   |
|--------------------|------|
| Plastic bowl guard |      |
| MS6N-LFM-...-V     | 0.73 |
| Metal bowl         |      |
| MS6N-LFM-...-V     | 0.87 |

## Fully automatic, electrically actuated E1 ... E4

Technical data PWEA → [www.festo.com/catalog/pwea](http://www.festo.com/catalog/pwea)



- 1 Variant E1  
PWEA-AP-... with M12x1 plug,  
5-pin for SIM-M12-5GD-...
- 2 Variants E2/E3/E4  
PWEA-AC-... with cable conduit  
fitting Pg9
- 3 Connection 360° rotatable for  
plastic tubing PUN-H-12x2-...

1) Dimensions are in inches, unless otherwise noted.

## Fine and Micro Filters MS6N-LFM – Inch Series

Ordering Data – Pre-configured Products

**FESTO**

| Ordering Data                           |            |                          |                  |    |                       |                  |    |
|-----------------------------------------|------------|--------------------------|------------------|----|-----------------------|------------------|----|
| Without differential pressure 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    | 531860                   | MS6N-LFM-1/4-ARM |    | 531848                | MS6N-LFM-1/4-BRM |    |
|                                         | 3/8 NPT    | 531862                   | MS6N-LFM-3/8-ARM |    | 531850                | MS6N-LFM-3/8-BRM |    |
|                                         | 1/2 NPT    | 531861                   | MS6N-LFM-1/2-ARM |    | 531849                | MS6N-LFM-1/2-BRM |    |
| Fully automatic                         | 1/4 NPT    | 531866                   | MS6N-LFM-1/4-ARV |    | 531854                | MS6N-LFM-1/4-BRV |    |
|                                         | 3/8 NPT    | 531868                   | MS6N-LFM-3/8-ARV |    | 531856                | MS6N-LFM-3/8-BRV |    |
|                                         | 1/2 NPT    | 531867                   | MS6N-LFM-1/2-ARV |    | 531855                | MS6N-LFM-1/2-BRV |    |
| Metal bowl                              |            |                          |                  |    |                       |                  |    |
| Fully automatic                         | 1/4 NPT    | 531878                   | MS6N-LFM-1/4-AUV |    | 531872                | MS6N-LFM-1/4-BUV |    |
|                                         | 3/8 NPT    | 531880                   | MS6N-LFM-3/8-AUV |    | 531874                | MS6N-LFM-3/8-BUV |    |
|                                         | 1/2 NPT    | 531879                   | MS6N-LFM-1/2-AUV |    | 531873                | MS6N-LFM-1/2-BUV |    |

| Ordering Data                        |            |                          |                     |    |                       |                     |    |
|--------------------------------------|------------|--------------------------|---------------------|----|-----------------------|---------------------|----|
| With differential pressure 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  |
|                                      | 1/2 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

# Fine and Micro Filters MS6N-LFM – Inch Series

Ordering Data – Configurable Products

**FESTO**

## Mandatory Data

| Part No.             | Series    | Size     | Thread   | Function     | Connection size                      | Filtration grade | Bowl       |
|----------------------|-----------|----------|----------|--------------|--------------------------------------|------------------|------------|
| 527671               | MS        | 6        | N        | LFM          | 1/4, 3/8, 1/2,<br>AQN, AQP, AQR, AQS | B<br>A           | R<br>U     |
| <b>Order example</b> |           |          |          |              |                                      |                  |            |
| <b>527671</b>        | <b>MS</b> | <b>6</b> | <b>N</b> | <b>- LFM</b> | <b>- AQN</b>                         | <b>- B</b>       | <b>- R</b> |

| Ordering Table |                  |                                       |    |            |  |      |            |
|----------------|------------------|---------------------------------------|----|------------|--|------|------------|
| Grid 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 1/4 NPT (dimensions → 832) |    |            |  | -AQN |            |
|                |                  | Port plate 3/8 NPT (dimensions → 832) |    |            |  | -AQP |            |
|                |                  | Port plate 1/2 NPT (dimensions → 832) |    |            |  | -AQR |            |
|                |                  | Port plate 3/4 NPT (dimensions → 832) |    |            |  | -AQS |            |
|                | Filtration grade | 1 µm                                  |    |            |  | -B   |            |
|                |                  | 0.01 µm                               |    |            |  | -A   |            |
|                | Bowl             | Plastic bowl with plastic bowl guard  |    |            |  | -R   |            |
|                |                  | Metal bowl                            |    |            |  | -U   |            |

Transfer order code

|        |    |   |   |   |     |   |  |   |  |   |  |
|--------|----|---|---|---|-----|---|--|---|--|---|--|
| 527671 | MS | 6 | N | - | LFM | - |  | - |  | - |  |
|--------|----|---|---|---|-----|---|--|---|--|---|--|



# Fine and Micro Filters MS6N-LFM – Inch Series

Ordering Data – Configurable Products

**FESTO**

| → <b>M</b> Mandatory Data           |                             | <b>O</b> Options        |                               |
|-------------------------------------|-----------------------------|-------------------------|-------------------------------|
| <b>Bowl drain</b>                   | <b>Filter change sensor</b> | <b>Type of mounting</b> | <b>Reverse flow direction</b> |
| M<br>H<br>V<br>E1<br>E2<br>E3<br>E4 | DA                          | WP<br>WPM<br>WB         | Z                             |
| - <b>M</b>                          | -                           | - <b>WP</b>             | - <b>Z</b>                    |

| Ordering Table |                        |                                                                      |              |      |            |
|----------------|------------------------|----------------------------------------------------------------------|--------------|------|------------|
| Grid dimension | [mm]                   | 62                                                                   | Conditions   | Code | Enter code |
| ↓<br><b>M</b>  | Bowl drain             | Manual                                                               |              | -M   |            |
|                |                        | Semiautomatic (P1 max. 176 psi)                                      |              | -H   |            |
|                |                        | Fully automatic (P1 max. 176 psi)                                    |              | -V   |            |
|                |                        | External fully automatic bowl drain, electrical, 24 V DC, M12        | <sup>1</sup> | -E1  |            |
|                |                        | External fully automatic bowl drain, electrical, 110 V AC, terminals | <sup>1</sup> | -E2  |            |
|                |                        | External fully automatic bowl drain, electrical, 230 V AC, terminals | <sup>1</sup> | -E3  |            |
|                |                        | External fully automatic bowl drain, electrical, 24 V DC, terminals  | <sup>1</sup> | -E4  |            |
| <b>O</b>       | Filter change sensor   | Differential pressure indicator, optical                             |              | -DA  |            |
|                | Type of mounting       | Mounting bracket (dimensions → 833)                                  | <sup>2</sup> | -WP  |            |
|                |                        | Mounting bracket (dimensions → 833)                                  | <sup>2</sup> | -WPM |            |
|                |                        | Mounting bracket (dimensions → 830)                                  |              | -WB  |            |
|                | Reverse flow direction | Flow direction from right to left                                    |              | -Z   |            |

<sup>1</sup> **E1, E2, E3, E4**

Only with metal bowl U

<sup>2</sup> **WP, WPM**

Only with port plate AQN, AQP, AQR or AQS

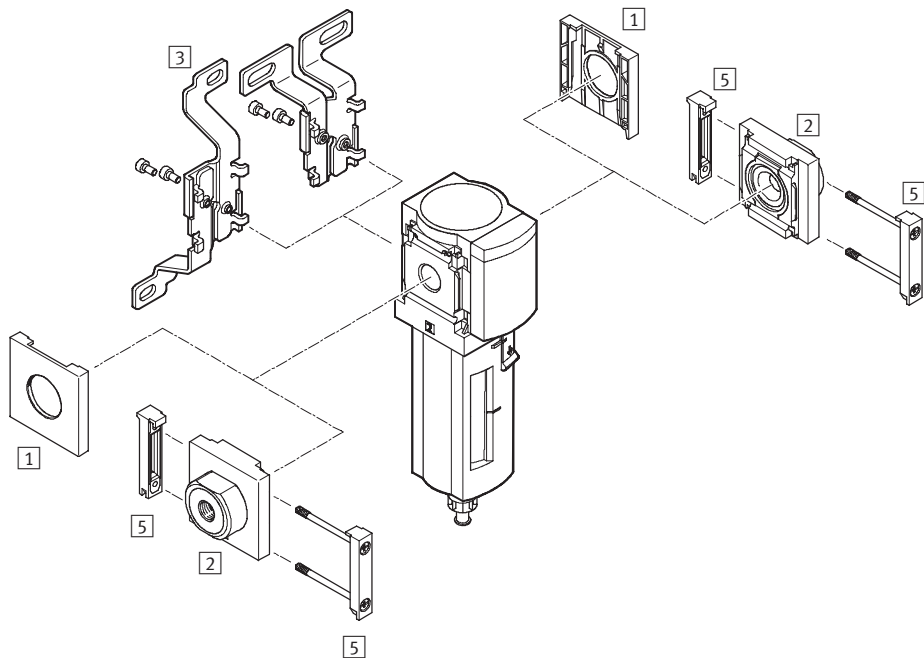
Transfer order code

|   |  |   |  |   |  |   |  |
|---|--|---|--|---|--|---|--|
| - |  | - |  | - |  | - |  |
|---|--|---|--|---|--|---|--|

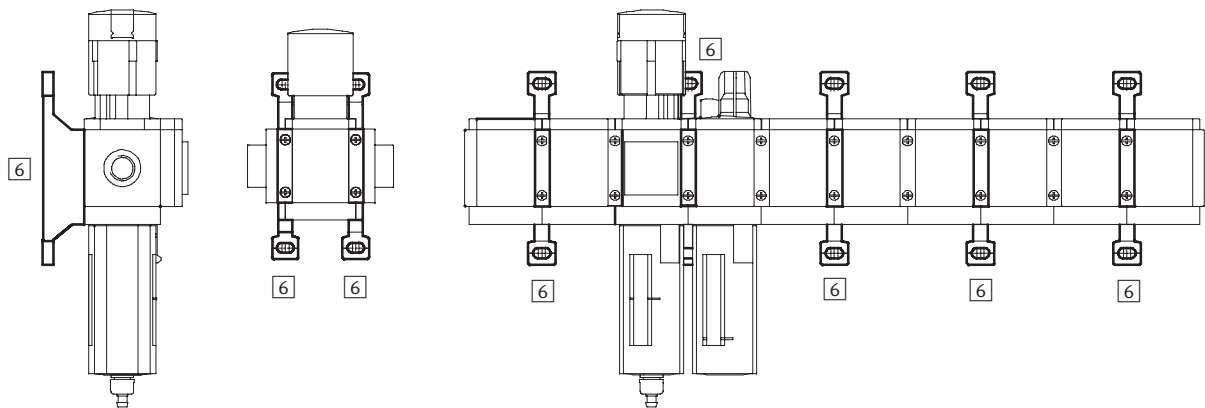
# Fine and Micro Filters MS6N-LFM – Inch Series

Accessories Overview

## Mounting Attachments and Accessories



Single unit and combination unit mounting brackets.



## Fine and Micro Filters MS6N-LFM – Inch Series

Accessories Overview

**FESTO**

| Mounting 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<br>MS6-END               | ■                  | –               | ■                         | –               | 831    |
| 2                                    | Port plate<br>MS6N-AQ...           | –                  | ■               | –                         | ■               | 832    |
| 3                                    | Mounting bracket<br>MS6-WB         | ■                  | ■               | –                         | –               | 830    |
| 5                                    | Body connector<br>MS6-MV           | –                  | ■               | ■                         | ■               | 832    |
| 6                                    | Mounting bracket<br>MS6-WP/WPB/WPM | –                  | ■               | ■                         | ■               | 833    |

# Fine and Micro Filters MS6N-LFM – Inch Series

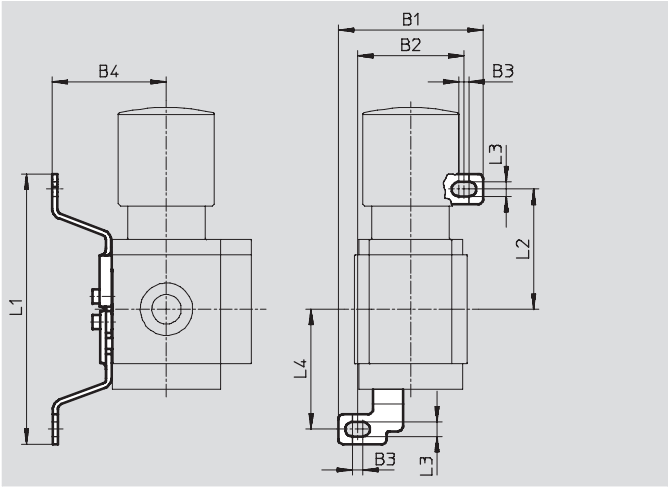


Accessories

## 3 Mounting bracket MS6-WB

- For wall mounting

Material:  
Steel



| Dimensions and Ordering Data |      |      |      |      |      |      |      |                |          |        |
|------------------------------|------|------|------|------|------|------|------|----------------|----------|--------|
| B1                           | B2   | B3   | B4   | L1   | L2   | L3   | L4   | Weight<br>[lb] | Part No. | Type   |
| 3.13                         | 2.44 | 0.18 | 2.17 | 6.20 | 2.80 | 0.26 | 2.80 | 0.24           | 532196   | MS6-WB |

## Fine and Micro Filters MS6N-LFM – Inch Series

Accessories

FESTO

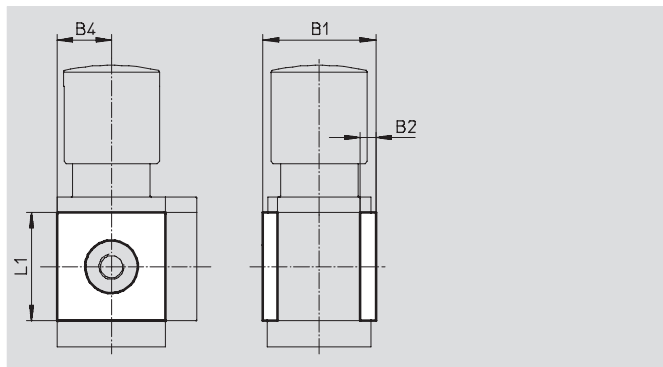
### 1 Cover cap MS6-END

- 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    |
|------|------|------|------|----------|---------|
| 2.64 | 0.31 | 1.22 | 2.44 | 538780   | MS6-END |

### Mounting plate MS6-AEND

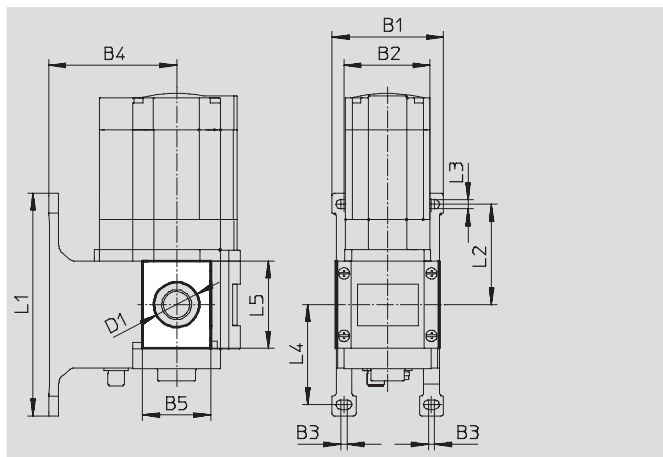
- In combination with mounting bracket MS-WP or MS-WPB for mounting an individual unit with body thread on a wall

Material:

Reinforced polyamide

Conforms to RoHS

Free of copper and PTFE



#### 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  |      | Ø    |      |      |      |      |      |                   |             |          |          |
| 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.

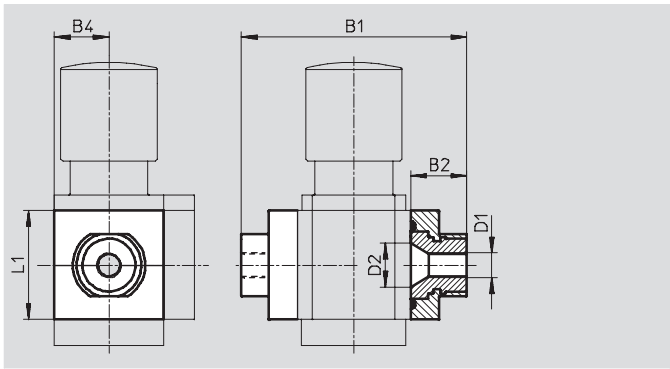
Fine and Micro Filters MS6N-LFM – Inch Series

Accessories

2 Port plate MS6N-AQ...

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

Material:  
Aluminum



| Dimensions and Ordering Data |      |      |         |      |      |                |          |          |
|------------------------------|------|------|---------|------|------|----------------|----------|----------|
| B1                           | B2   | B4   | D1      | D2   | L1   | Weight<br>[lb] | Part No. | Type     |
| 4.53                         | 1.04 | 1.22 | 1/4 NPT | 0.94 | 2.44 | 0.60           | 526076   | MS6N-AQN |
|                              |      |      | 3/8 NPT |      |      |                | 526077   | MS6N-AQP |
|                              |      |      | 1/2 NPT |      |      |                | 526078   | MS6N-AQR |
|                              |      |      | 3/4 NPT |      |      |                | 526079   | MS6N-AQS |

5 Body connector MS6-MV

- For connecting modules

Material:  
Stainless steel/polyacetate



| Ordering Data  |          |        |
|----------------|----------|--------|
| Weight<br>[lb] | Part No. | Type   |
| 0.11           | 532799   | MS6-MV |

# Fine and Micro Filters MS6N-LFM – Inch Series

Accessories

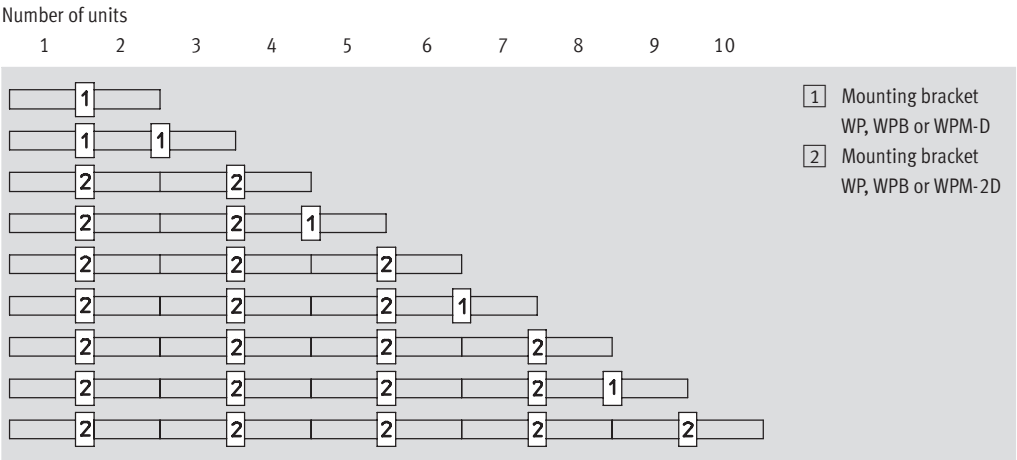
6

Mounting Bracket MS6-WP...

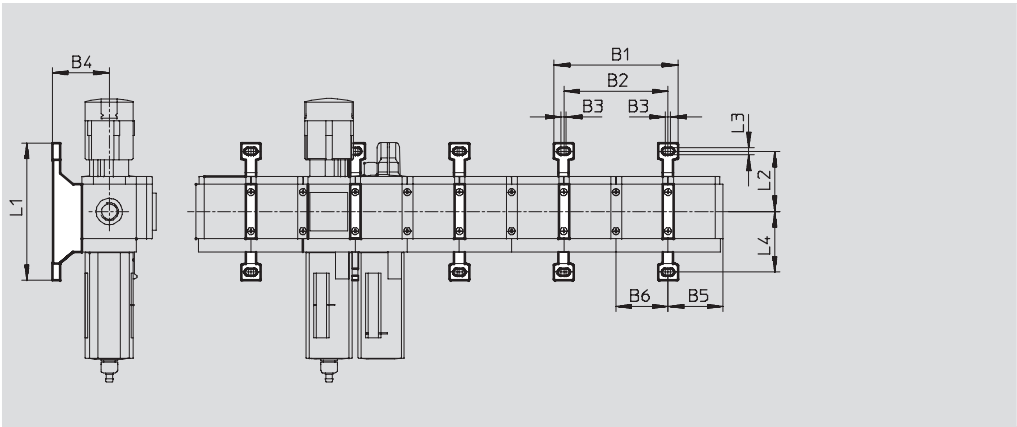
Suggested placement of wall mounting brackets when mounting air preparation combinations

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



Mounting dimensions



| Type         | B1   | B2   | B3   | B4   | B5   | B6   | L1   | L2   | L3   | L4   |
|--------------|------|------|------|------|------|------|------|------|------|------|
| MS6-WP       | 5.55 | 4.88 | 0.18 | 2.13 | 2.54 | 2.44 | 6.22 | 2.80 | 0.26 | 2.80 |
| MS6-WPB      |      |      |      | 3.56 |      |      |      |      |      |      |
| MS6-WPM-...D | 6.61 | 5.43 | 0.69 | 2.13 | 2.58 | 2.72 | 3.88 | 1.63 |      | 1.63 |

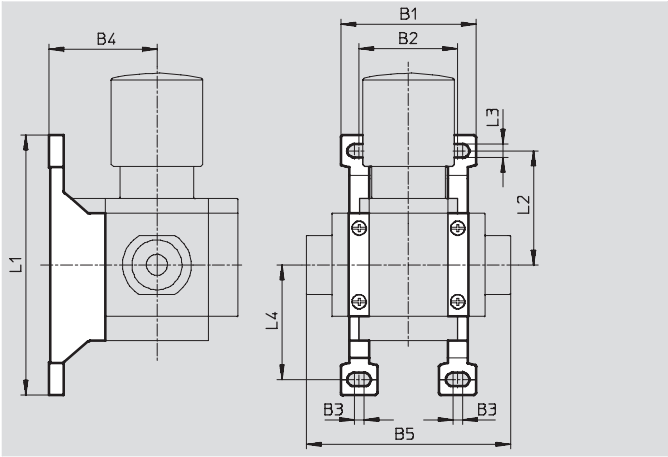
Fine and Micro Filters MS6N-LFM – Inch Series

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

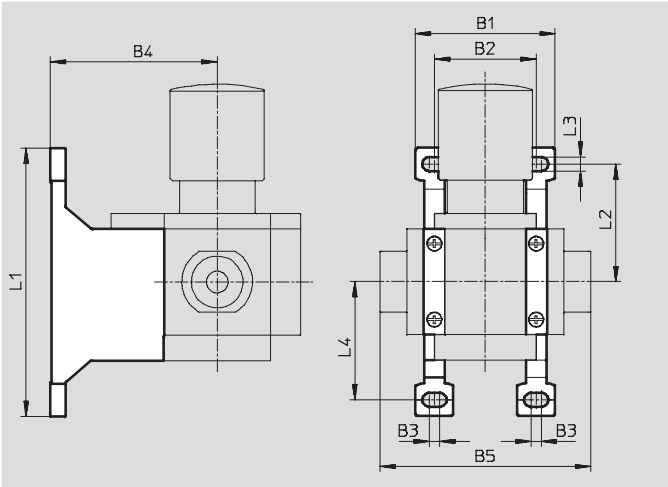


| Dimensions and Ordering Data |      |      |      |      |      |      |      |      |             | Part No. | Type   |
|------------------------------|------|------|------|------|------|------|------|------|-------------|----------|--------|
| B1                           | B2   | B3   | B4   | B5   | L1   | L2   | L3   | L4   | Weight [lb] |          |        |
| 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 and Ordering Data |      |      |      |      |      |      |      |      |             | Part No. | Type    |
|------------------------------|------|------|------|------|------|------|------|------|-------------|----------|---------|
| B1                           | B2   | B3   | B4   | B5   | L1   | L2   | L3   | L4   | Weight [lb] |          |         |
| 3.11                         | 2.44 | 0.18 | 3.56 | 4.53 | 6.22 | 2.80 | 0.26 | 2.80 | 0.23        | 526074   | MS6-WPB |



Fine and Micro Filters MS6N-LFM – Inch Series

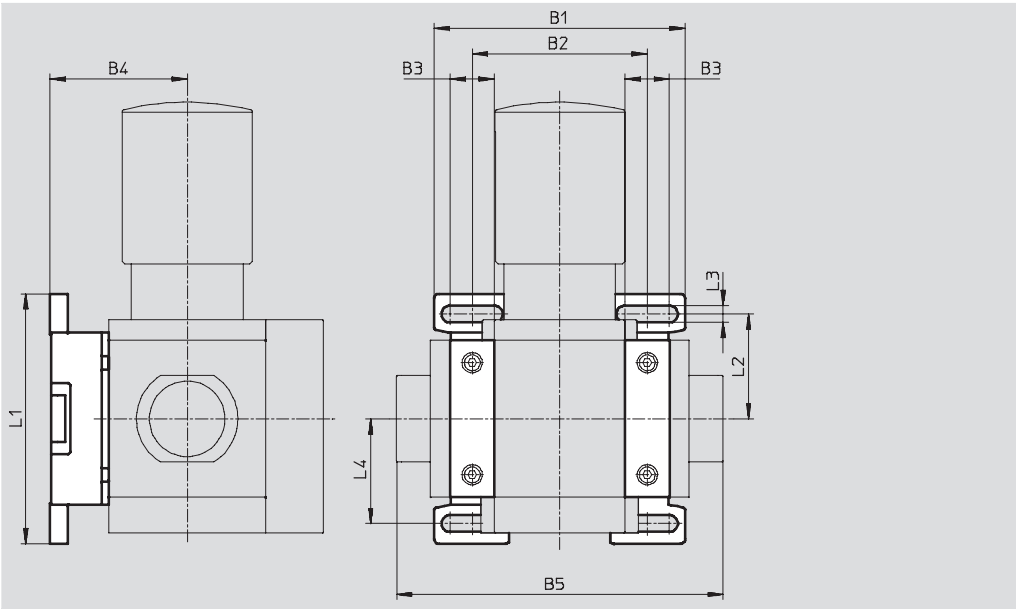
Accessories

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

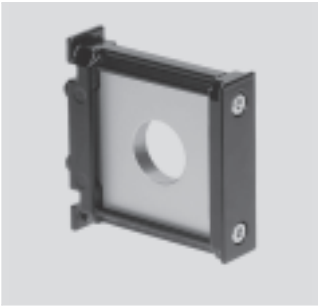


| Dimensions and Ordering Data |      |      |      |      |      |      |      |      |           |             |          |            |
|------------------------------|------|------|------|------|------|------|------|------|-----------|-------------|----------|------------|
| B1                           | B2   | B3   | B4   | B5   | L1   | L2   | L3   | L4   | Clearance | Weight [lb] | Part No. | Type       |
| 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. | Type    |
| MS6           | 532801   | MS6-MVM |

## Fine and Micro Filters MS6N-LFM – Inch Series

Replacement Parts

**FESTO**

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



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

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

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