

Filter silencer LFU

FESTO



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LFU-1/8
325502 01(060)
170x 50mm
24000/1 G MPa

Characteristics

At a glance

The filter silencer cleans the collected exhaust air from pneumatic control systems. The exhaust air escapes into the atmosphere via a fine filter insert (filter efficiency >99.99%).

At the same time, the noise from the exhaust air is greatly reduced. Any condensate is collected in the plastic bowl underneath and can be drained off via the condensate drain.

- Removes up to 99.99% of oil and other contaminants from the exhaust air
- The silencer reduces the noise from the exhaust air regardless of frequency
- Product complies with ISO 1179-1 and ISO 228-1

Type code

| 001 | Series |
|-----|-----------------|
| LFU | Filter silencer |

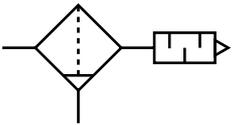
| 002 | Pneumatic connection |
|-----|----------------------|
| 1/4 | Female thread G1/4 |
| 3/8 | Female thread G3/8 |
| 1/2 | Female thread G1/2 |
| 1 | Female thread G1 |

Datasheet

General technical data

| | | | | |
|-------------------------|--------------------|-------------|-------------|--------------|
| Pneumatic connection | G1/4 | G3/8 | G1/2 | G1 |
| Size | G1/4 | G3/8 | G1/2 | G1 |
| Mounting position | Vertical +/-5° | | | |
| Grade of filtration | 1 µm | | | |
| Condensate drain | Manually rotating | | | |
| Flow rate to atmosphere | ≥4000 l/min | ≥4700 l/min | 6,000 l/min | 12,500 l/min |
| Sound pressure level | 78 dB(A) | | 83 dB(A) | 93 dB(A) |
| Noise reduction | Reduction by 40 dB | | | |

Function



Operating and environmental conditions

| | | | | |
|--|--|------|--------------------------|----|
| Pneumatic connection | G1/4 | G3/8 | G1/2 | G1 |
| Operating pressure | 0 ... 1.6 MPa | | | |
| Operating pressure | 0 ... 16 bar | | | |
| Operating pressure | 0 ... 232 psi | | | |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] | | | |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) | | | |
| Ambient temperature | -10 ... 60°C | | | |
| Corrosion resistance class CRC ¹⁾ | 2 - Moderate corrosion stress | | 1 - Low corrosion stress | |

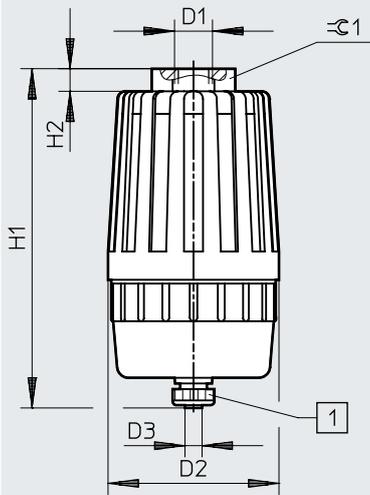
1) More information www.festo.com/x/topic/crc

Materials

| | |
|------------------------|--------------------------|
| Material housing | Brass, nickel-plated, PP |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |

Dimensions

Dimensions – Filter silencer LFU

Download CAD data www.festo.com

[1] Manual condensate drain

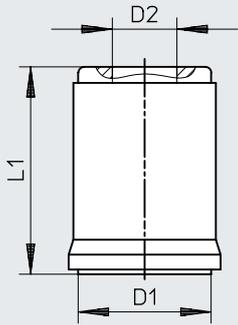
| | D1 | D2 | H1 | H2 | ⌀1 |
|---------|------|-----|-----|----|----|
| LFU-1/4 | G1/4 | 77 | 131 | 7 | 26 |
| LFU-3/8 | G3/8 | 77 | 131 | 7 | 26 |
| LFU-1/2 | G1/2 | 90 | 180 | 12 | 36 |
| LFU-1 | G1 | 110 | 252 | 15 | 50 |

1) Note: This product complies with ISO 1179-1 and ISO 228-1.

Dimensions

Dimensions – Filter cartridge LFPU

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| | D1 ∅ | D2 ∅ | L1 |
|--------------|---------|---------|-----|
| LFPU-1/4-3/8 | 60 | 28 | 69 |
| LFPU-1/2 | 70 | 34,8 | 110 |
| LFPU-1 | 82 | 42,8 | 180 |

Ordering data

| Ordering data | | | | | |
|---|----------------------|-------------------------|----------------|---------------|----------------|
| | Pneumatic connection | Flow rate to atmosphere | Product weight | Part no. | Type |
|  | G1/4 | 4,000 l/min | 190 g | 539132 | LFU-1/4 |
| | G3/8 | 4,700 l/min | | 539133 | LFU-3/8 |
| | G1/2 | 6,000 l/min | 450 g | 10494 | LFU-1/2 |
| | G1 | 12,500 l/min | 910 g | 10495 | LFU-1 |

Accessories

Filter cartridges LFPU

| | Description | Corrosion resistance class CRC | LABS (PWIS) conformity | Product weight | Part no. | Type |
|--|---------------------------|--------------------------------|------------------------|----------------|---------------|---------------------|
|  | For connection G1/2 | | VDMA24364-B1/B2-L | 200 g | 10496 | LFPU-1/2 |
| | For connection G1 | | | 330 g | 10497 | LFPU-1 |
| | For connection G1/4, G3/8 | 2 - Moderate corrosion stress | | 120 g | 539134 | LFPU-1/4-3/8 |