

Filter silencer LFU

FESTO



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	

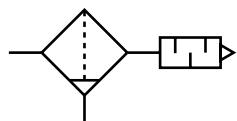
002	Pneumatic connection	
1/4	Female thread G1/4	
3/8	Female thread G3/8	
1/2	Female thread G1/2	
1	Female thread G1	

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	

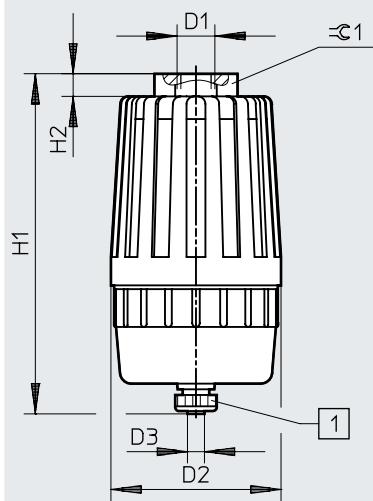
1) More information www.festo.com/x/topic/crc

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

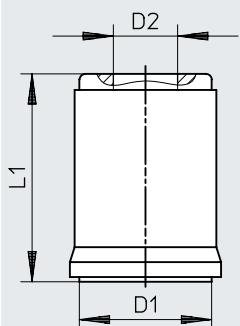
	D1	D2	H1	H2	=G1
LFU-1/4	G1/4	77	131	7	26
LFU-3/8	G3/8	77	131	7	26
LFU-1/2	G1/2	90	180	12	36
LFU-1	G1	110	252	15	50

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

Dimensions

Dimensions – Filter cartridge LFPU

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	D1 Ø	D2 Ø	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	2 - Moderate corrosion stress	VDMA24364-B1/B2-L	200 g	10496	LFPU-1/2
	For connection G1			330 g	10497	LFPU-1
	For connection G1/4, G3/8			120 g	539134	LFPU-1/4-3/8