

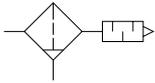
## Filter silencer LFU

**FESTO**



## Datasheet

### Function



-  - Flow rate  
4000 ... 12500 l/min
-  - Temperature range  
-10 ... +60°C
-  - Operating pressure  
0 ... 1.6 MPa



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 lower plastic bowl and can be drained off via the condensate drain.

- Removes up to 99.99% of oil and other contaminants from exhaust air
- The silencer reduces the exhaust noise regardless of frequency

### General technical data

Size	G1/4	G3/8	G1/2	G1
Pneumatic connection	G1/4	G3/8	G1/2	G1
Mounting position	Vertical ±5°			
Grade of filtration [µm]	1			
Condensate drain	Manual			
Flow rate with respect to atmosphere <sup>1)</sup> [l/min]	≥4000	≥4700	6000	12500
Noise reduction <sup>1)</sup>	Reduction by 40 dB(A)			-

1) At 0.6 MPa with respect to atmosphere.

† Note: This product conforms to ISO 1179-1 and ISO 228-1.

### Operating and environmental conditions

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

1) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. Dry internal application or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, or parts which are covered in the application (e.g. drive trunnions).

Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation can occur. External visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment.

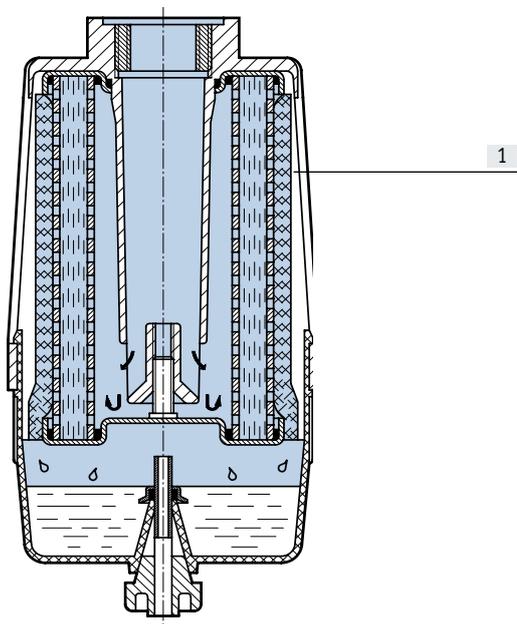
### Weight [g]

Size	G1/4	G3/8	G1/2	G1
Filter silencer	190	190	-	-

# Datasheet

## Materials

Sectional view

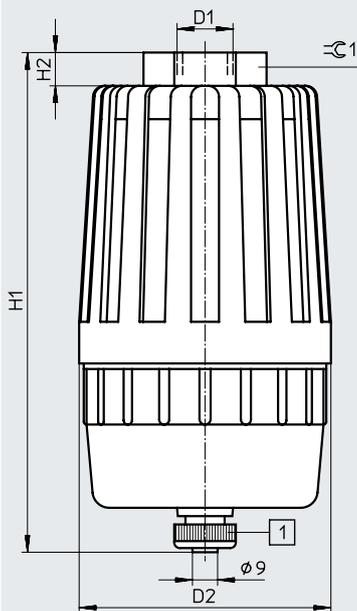


Filter silencer		
[1]	Housing	PP
Note on materials		RoHS-compliant
		Free of copper and PTFE

## Dimensions and ordering data

Download CAD data → [www.festo.com](http://www.festo.com)

[1] Condensate drain manual



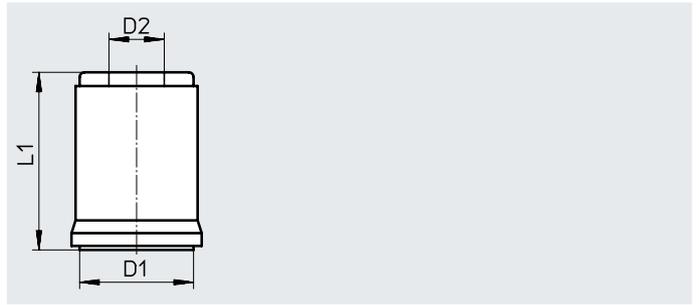
Connection	D1	D2	H1	H2	≙1	Part no.	Type
G1/4	G1/4	77	131	7	26	539132	LFU-1/4
G3/8	G3/8	77	131	7	26	539133	LFU-3/8
G1/2	G1/2	90	180	12	36	10494	LFU-1/2
G1	G1	110	252	15	50	10495	LFU-1

Note: This product conforms to ISO 1179-1 and ISO 228-1.

## Accessories

### Filter cartridge LFPU

Note on materials:  
 RoHS-compliant  
 Free of copper and PTFE



Dimensions and ordering data					
For connection	D1 ∅	D2 ∅	L1	Part no.	Type
G1/4, G3/8	60	28	69	<b>539134</b>	<b>LFPU-1/4-3/8</b>
G1/2	70	34.8	110	<b>10496</b>	<b>LFPU-1/2</b>
G1	82	42.8	180	<b>10497</b>	<b>LFPU-1</b>