

Filter silencers LFU

FESTO

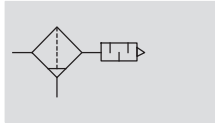





Filter silencers LFU

Technical data

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Function



-  Flow rate
4,000 ... 12,500 l/min
-  Temperature range
-10 ... +100 °C
-  Supply pressure
0 ... 16 bar



The filter silencer cleans all exhaust air from pneumatic control systems. The exhaust air is discharged into the atmosphere via a fine filter cartridge (degree of filtration: >99.99%).

At the same time, exhaust noise is greatly reduced. Condensate is collected in the lower plastic bowl and can be discharged via the condensate drain.

- Removes up to 99.99% of oil and other contaminants from exhaust air

- The silencer reduces 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 rotary			
Flow rate with respect to atmosphere ¹⁾ [l/min]	≥4,000	≥4,700	≤6,000	≤12,500
Noise reduction ¹⁾	Reduction by 40 dB(A)		>40 dB(A)	

1) At 6 bar.

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

Operating and environmental conditions				
Size	G1/4	G3/8	G1/2	G1
Supply pressure [bar]	0 ... 16			
Operating medium	Dried air, lubricated or unlubricated			
Ambient temperature [°C]	-10 ... +60		0 ... +100	
Corrosion resistance class CRC ¹⁾	2		1	

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

Components subject to moderate corrosion stress. 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.

Weight [g]				
Size	G1/4	G3/8	G1/2	G1
Filter silencer	190	190	570	1,010

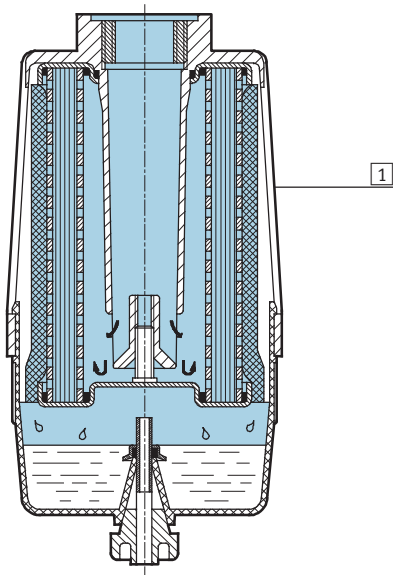
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Technical data

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Materials

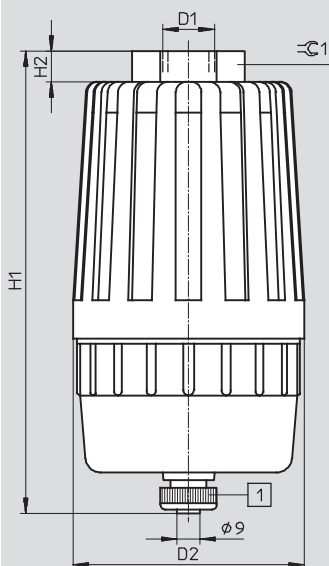
Sectional view



Filter silencer		
1	Housing	Polypropylene
Note on materials		RoHS-compliant (LFU-1/2 / LFU-1 only)
		Free of copper and PTFE

Dimensions and ordering data

Download CAD Data → www.festo.com/us/cad



1 Manual rotary condensate drain

Connection	D1	D2	H1	H2	≙C1	Part No.	Type
G $\frac{1}{4}$	G $\frac{1}{4}$	77	131	7	26	539132	LFU- $\frac{1}{4}$
G $\frac{3}{8}$	G $\frac{3}{8}$	77	131	7	26	539133	LFU- $\frac{3}{8}$
G $\frac{1}{2}$	G $\frac{1}{2}$	90	180	12	36	10494	LFU- $\frac{1}{2}$
G1	G1	110	252	15	50	10495	LFU-1

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

Filter silencers LFU

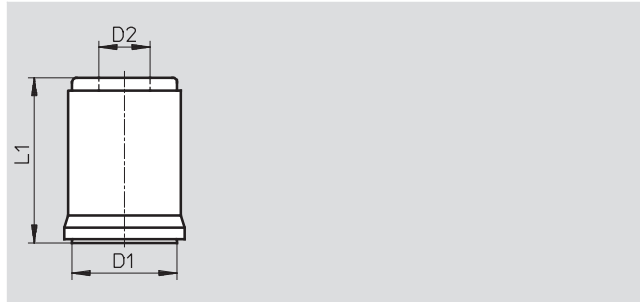
Accessories

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Filter cartridge LFPU

Note on material:

Free of copper and PTFE



Dimensions and ordering data					
For connection	D1 Ø	D2 Ø	L1	Part No.	Type
G $\frac{1}{4}$, G $\frac{3}{8}$	60	28	69	539134	LFPU-$\frac{1}{4}$-$\frac{3}{8}$
G $\frac{1}{2}$	70	34.8	110	10496	LFPU-$\frac{1}{2}$
G1	82	42.8	180	10497	LFPU-1

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