

# Silencers

**FESTO**



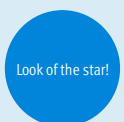
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Superb:  
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Reduces procurement and storing complexity

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More than 2200 products


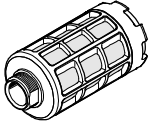

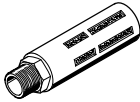



★ Ready for dispatch in 5 days maximum from stock  
Assembled for you in 4 service centres worldwide  
Up to  $6 \times 10^{12}$  variants per product series




# Silencers

Product range overview




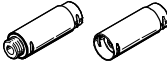
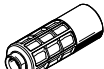

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Version	Type	Connection D1			Push-in connector	For tubing I.D.	Push-in sleeve diameter	Noise level [dB (A)]	→ Page/ Internet
		M thread	G thread	NPT thread					
<b>Sintered metal</b>									
	U-PK-3	-	-	-	-	3	-	< 70	4
	U-PK-4	-	-	-	-	4	-	< 74	
<b>Polymer, male thread</b>									
	U-1/8	-	G1/8	-	-	-	-	< 77	5
	U-1/4	-	G1/4	-	-	-	-	< 77	
	U-3/8	-	G3/8	-	-	-	-	< 82	
	U-1/2	-	G1/2	-	-	-	-	< 80	
	U-3/4	-	G3/4	-	-	-	-	< 83	
	U-1	-	G1	-	-	-	-	< 84	
<b>Polymer, female thread</b>									
	U-1/8-I	-	G1/8	-	-	-	-	< 77	7
<b>Die-cast metal</b>									
	U-1/8-B	-	G1/8	-	-	-	-	< 74	8
	U-1/4-B	-	G1/4	-	-	-	-	< 80	
	U-3/8-B	-	G3/8	-	-	-	-	< 80	
	U-1/2-B	-	G1/2	-	-	-	-	< 80	
	U-3/4-B	-	G3/4	-	-	-	-	< 81	
	U-1-B	-	G1	-	-	-	-	< 80	
	U-3/4-B-NPT	-	-	NPT3/4-14	-	-	-	< 81	9
	U-1-B-NPT	-	-	NPT1-11 1/2	-	-	-	< 80	
<b>With push-in sleeve for push-in fitting QS, Quick Star</b>									
	UC-QS-3H	-	-	-	-	-	3	< 60	10
	UC-QS-4H	-	-	-	-	-	4	< 60	
	UC-QS-6H	-	-	-	-	-	6	< 60	
	UC-QS-8H	-	-	-	-	-	8	< 60	
	UC-QS-10H	-	-	-	-	-	10	< 68	
<b>Threaded connection, for solenoid valves CPE, Compact Performance</b>									
	UC-M5	M5	-	-	-	-	-	< 60	11
	UC-M7	M7	-	-	-	-	-	< 58	
	UC-1/8	-	G1/8	-	-	-	-	< 59	
	UC-1/4	-	G1/4	-	-	-	-	< 60	
	UC-3/8	-	G3/8	-	-	-	-	< 60	
<b>Push-in connector, for solenoid valves VUVB-ST12/valve terminals type 23 VTUB-12</b>									
	AMTC-P-PC10	-	-	-	Cartridge 10 mm	-	-	< 58	12

 Note  
Clean silencers with kerosene or benzene (not with trichloroethylene).

# Silencers

Product range overview

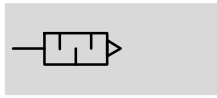
Version	Type	Connection D1			Push-in connector	For tubing I.D.	Push-in sleeve diameter	Noise level [dB (A)]	→ Page/ Internet	
		M thread	G thread	NPT thread						
<b>Metal</b>										
	AMTE-M-H-M5	M5	–	–	–	–	–	< 71	13	
	AMTE-M-H-G18	–	G1/8	–	–	–	–	< 92		
	AMTE-M-H-G14	–	G1/4	–	–	–	–	< 95		
	AMTE-M-H-G38	–	G3/8	–	–	–	–	< 92		
	AMTE-M-H-G12	–	G1/2	–	–	–	–	< 92		
	AMTE-M-LH-M3	M3	–	–	–	–	–	< 55	15	
	AMTE-M-LH-M5	M5	–	–	–	–	–	< 72		
	AMTE-M-LH-G18	–	G1/8	–	–	–	–	< 76		
	AMTE-M-LH-G14	–	G1/4	–	–	–	–	< 83		
	AMTE-M-LH-G38	–	G3/8	–	–	–	–	< 82		
	AMTE-M-LH-G12	–	G1/2	–	–	–	–	< 88		
	AMTE-M-LH-G34	–	G3/4	–	–	–	–	< 85		
	AMTE-M-LH-G1	–	G1	–	–	–	–	< 88		
	AMTE-M-LH-U10	–	–	UNF10-32	–	–	–	< 71		17
	AMTE-M-LH-N18	–	–	NPT1/8-27	–	–	–	< 77		
AMTE-M-LH-N14	–	–	NPT1/4-18	–	–	–	< 82			
AMTE-M-LH-N38	–	–	NPT3/8-18	–	–	–	< 83			
AMTE-M-LH-N12	–	–	NPT1/2-14	–	–	–	< 85			
<b>For vacuum generators VN-T2/T3</b>										
	UO-M7	M7	–	–	–	–	–	–	19	
	UO-1/8	–	G1/8	–	–	–	–	–		
	UO-1/4	–	G1/4	–	–	–	–	–		
<b>For vacuum generators VN-T4/T6</b>										
	UOM-1/4	–	G1/4	–	–	–	–	–	20	
	UOM-3/8	–	G3/8	–	–	–	–	–		
	UOMS-1/4	–	–	–	–	–	–	–		
	UOMS-3/8	–	–	–	–	–	–	–		
<b>For soft-start and exhaust valve MS6-SV</b>										
	UOS-1	–	G1	–	–	–	–	< 75	ms6-sv	
<b>Filter silencer</b>										
	LFU-1/4	–	G1/4	–	–	–	–	< 40	lfu	
	LFU-3/8	–	G3/8	–	–	–	–	–		
	LFU-1/2	–	G1/2	–	–	–	–	–		
	LFU-1	–	G1	–	–	–	–	–		

# Silencers U

Technical data – Sintered metal design

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Function



- For noise reduction and avoiding contamination at the exhaust ports of pneumatic components
- Compact design



General technical data			
Pneumatic connection		PK-3	PK-4
Mounting position		Any	
Noise level <sup>1)</sup>	[dB (A)]	< 70	< 74
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	80	150
Product weight	[g]	5	5

1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p1 = 6 bar

Operating and environmental conditions	
Operating pressure	[bar] 0 ... 10
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium	Operation with lubricated medium possible (in which case lubricated operation will always be required)
Ambient temperature	[°C] -10 ... +70

Materials	
Threaded plug	Brass
Silencer insert	Bronze
Note on materials	RoHS-compliant

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

U-PK-3	U-PK-4
<p>1) Barbed fitting for tubing I.D. 3 mm</p>	<p>2) Barbed fitting for tubing I.D. 4 mm</p>

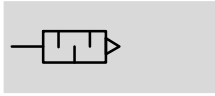
Ordering data			
Pneumatic connection	Part No.	Type	PU <sup>1)</sup>
PK-3	4646	U-PK-3	10
PK-4	4932	U-PK-4	10

1) Packaging unit

# Silencers U

Technical data – Polymer design, male thread

Function



- For noise reduction at the exhaust ports of pneumatic components



General technical data							
Pneumatic connection	G1/8	G1/4	G3/8	G1/2	G3/4	G1	
Mounting position	Any						
Noise level <sup>1)</sup>	[dB (A)]	< 77	< 77	< 82	< 80	< 83	< 84
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	2,050	3,400	5,900	10,600	15,000	19,900
Product weight	[g]	2	8	30	58	83	140

1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p1 = 6 bar

Operating and environmental conditions	
Operating pressure	[bar] 0 ... 10
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium	Operation with lubricated medium possible (in which case lubricated operation will always be required)
Ambient temperature	[°C] -10 ... +70

Materials	
Housing	Polyacetal
Silencer insert	Polyethylene
Note on materials	Free of copper and PTFE RoHS-compliant

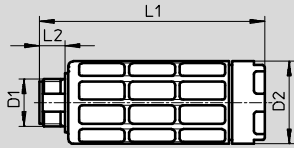
# Silencers U

Technical data – Polymer design, male thread

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## Dimensions

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## Ordering data

Pneumatic connection D1	D2 Ø	L1	L2	Part No.	Type	PU <sup>1)</sup>
G <sup>1</sup> / <sub>8</sub>	15.2	35.9	5.5	★ 2307	U- <sup>1</sup> / <sub>8</sub>	1
				534222	U- <sup>1</sup> / <sub>8</sub> -50	50
G <sup>1</sup> / <sub>4</sub>	19	57	6.5	★ 2316	U- <sup>1</sup> / <sub>4</sub>	1
				534223	U- <sup>1</sup> / <sub>4</sub> -20	20
G <sup>3</sup> / <sub>8</sub>	33.5	78.8	7.5	★ 2309	U- <sup>3</sup> / <sub>8</sub>	1
				534224	U- <sup>3</sup> / <sub>8</sub> -20	20
G <sup>1</sup> / <sub>2</sub>	43	88.1	9	★ 2310	U- <sup>1</sup> / <sub>2</sub>	1
				534225	U- <sup>1</sup> / <sub>2</sub> -20	20
G <sup>3</sup> / <sub>4</sub>	45	120.7	10.5	2311	U- <sup>3</sup> / <sub>4</sub>	1
G1	55	126.5	11.5	2312	U-1	1

1) Packaging unit

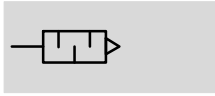
Festo core product range

- ★ Ready for dispatch from the Festo factory in 24 hours
- ☆ Ready for dispatch in 5 days maximum from stock

# Silencers U

Technical data – Polymer design, female thread

Function



- For noise reduction at the exhaust ports of pneumatic components



General technical data		
Pneumatic connection		G1/8
Mounting position		Any
Noise level <sup>1)</sup>	[dB (A)]	< 77
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	2,050
Product weight	[g]	4

1) Measured at 6 bar with respect to atmosphere at a distance of 1 m  
 2) Measured at p1 = 6 bar

Operating and environmental conditions		
Operating pressure	[bar]	0 ... 10
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium		Operation with lubricated medium possible (in which case lubricated operation will always be required)
Ambient temperature	[°C]	-10 ... +70

Materials	
Housing	Polyacetal
Silencer insert	Polyethylene
Note on materials	Free of copper and PTFE RoHS-compliant

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

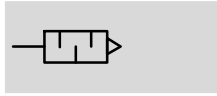
Ordering data		
Pneumatic connection	Part No.	Type
G1/8	<b>3670</b>	<b>U-1/8-I</b>

# Silencers U

Technical data – Die-cast design

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Function



- For noise reduction at the exhaust ports of pneumatic components



General technical data							
Pneumatic connection		G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	G $\frac{3}{4}$	G1
Mounting position		Any					
Noise level <sup>1)</sup>	[dB (A)]	< 74	< 80	< 80	< 80	< 81	< 80
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	1,204	2,838	5,734	7,622	13,266	15,102
Product weight	[g]	8	17	37	75	120	233

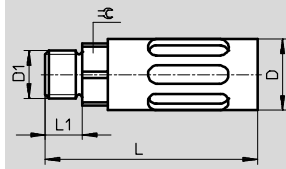
1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p<sub>1</sub> = 6 bar

Operating and environmental conditions	
Operating pressure	[bar] 0 ... 10
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:--]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature	[°C] -10 ... +70

Materials	
Housing	Die-cast aluminium
Silencer insert	PE
Note on materials	Free of copper and PTFE RoHS-compliant

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



Ordering data						
Pneumatic connection	D	L	L1	⌀	Part No.	Type
D1	∅					
G $\frac{1}{8}$	16	39.2	5.5	14	★ 6841	U- $\frac{1}{8}$ -B
G $\frac{1}{4}$	19.5	55.6	6.5	17	★ 6842	U- $\frac{1}{4}$ -B
G $\frac{3}{8}$	25	86.6	7.5	19	★ 6843	U- $\frac{3}{8}$ -B
G $\frac{1}{2}$	28	116.5	9	24	★ 6844	U- $\frac{1}{2}$ -B
G $\frac{3}{4}$	38	138	10.5	32	6845	U- $\frac{3}{4}$ -B
G1	47.8	177	11.5	36	151990	U-1-B

Festo core product range

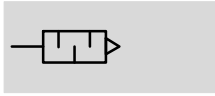
- ★ Ready for dispatch from the Festo factory in 24 hours
- ☆ Ready for dispatch in 5 days maximum from stock



# Silencers U, NPT

Technical data – Die-cast design

## Function



- For noise reduction at the exhaust ports of pneumatic components



General technical data		
Pneumatic connection		NPT3/4-14   NPT1-11 1/2
Mounting position		Any
Noise level <sup>1)</sup>	[dB (A)]	< 81   < 80
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	11,834   15,102
Product weight	[g]	128   233

1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p1 = 6 bar

Operating and environmental conditions		
Operating pressure	[bar]	0 ... 10
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium		Operation with lubricated medium possible (in which case lubricated operation will always be required)
Ambient temperature	[°C]	-10 ... +70

Materials	
Housing	Die-cast aluminium
Threaded plug	Wrought aluminium alloy
Silencer insert	PE
Note on materials	Free of copper and PTFE RoHS-compliant

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

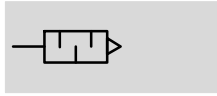
Ordering data						
Pneumatic connection	D	L	L1	⌀	Part No.	Type
D1	∅					
NPT3/4-14	38	151	18	30	566823	U-3/4-B-NPT
NPT1-11 1/2	47.8	193.3	22.5	41	571280	U-1-B-NPT

# Silencers UC

Technical data – Design with push-in sleeve

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Function



- For noise reduction at the exhaust ports of pneumatic components
- For QS push-in connectors 3 ... 10 mm



General technical data						
Push-in sleeve diameter		3	4	6	8	10
Mounting position		Any				
Noise level <sup>1)</sup>	[dB (A)]	< 60	< 60	< 60	< 60	< 68
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	170	350	800	1,500	3,100
Product weight	[g]	0.4	0.5	1.1	2.3	5.5

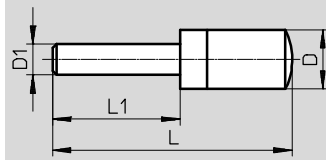
1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p1 = 6 bar

Operating and environmental conditions	
Operating pressure	[bar] 0 ... 10
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature	[°C] -10 ... +70

Materials	
Threaded plug	PE
Silencer insert	PE
Note on materials	RoHS-compliant

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

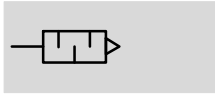


Ordering data					
Push-in sleeve diameter	D	L	L1	Part No.	Type
D1	∅				
3	7.8 +0.1/-0.3	29.1 ±0.6	14.4 ±0.2	165005	UC-QS-3H
4	7.8 +0.1/-0.3	31.0 ±0.6	16.3 ±0.2	165006	UC-QS-4H
6	9.8 -0.4	41.3 +1.4	17.2	165007	UC-QS-6H
8	13.8 +0.2/-0.3	54.4 +0.5/-1.0	23.4	175611	UC-QS-8H
10	17.8 -0.3	68.7 +0.2/-0.8	26.7	526475	UC-QS-10H

# Silencers UC

Technical data – Design with threaded connection

## Function



- For noise reduction at the exhaust ports of pneumatic components
- For solenoid valves CPE, Compact Performance



General technical data						
Pneumatic connection	M5	M7	G1/8	G1/4	G3/8	
Mounting position	Any					
Noise level <sup>1)</sup>	[dB (A)]	< 60	< 58	< 59	< 60	< 60
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	350	800	1,700	3,200	5,000
Product weight	[g]	0.4	1.2	2.6	5.2	10.5

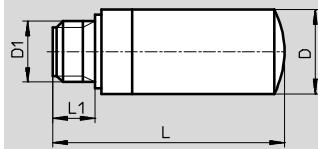
1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p1 = 6 bar

Operating and environmental conditions	
Operating pressure	[bar] 0 ... 10
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium	Operation with lubricated medium possible
Ambient temperature	[°C] -10 ... +70

Materials	
Threaded plug	PE
Silencer insert	PE
Note on materials	RoHS-compliant

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



Ordering data						
Pneumatic connection	D	L	L1	Part No.	Type	PU <sup>1)</sup>
D1	∅					
M5	7.8 +0.1/-0.3	19.4 +0.6/-0.8	4.5 ±0.2	165003	UC-M5	1
				534217	UC-M5-50	50
M7	9.8 -0.4	30.7 +0.6/-0.8	5.5 -0.5	161418	UC-M7	1
				534218	UC-M7-50	50
G1/8	13.8 +0.2/-0.3	38.0 +0.8/-1.0	6.5 ±0.1	161419	UC-1/8	1
				534219	UC-1/8-50	50
G1/4	17.8 -0.3	50.8 +0.8/-1.0	8.5 ±0.15	165004	UC-1/4	1
				534220	UC-1/4-20	20
G3/8	22.1 -0.4	69.5 +0.6/-0.8	9.5 ±0.1	1707427	UC-3/8	1
				576759	UC-3/8-20	20

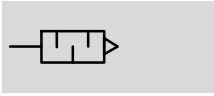
1) Packaging unit

# Silencers AMTC

Technical data

FESTO

Function



- For solenoid valves VUVB-ST12/ valve terminals type 23 VTUB-12
- Attached via PIN (spring clip), included in the scope of delivery of the valve



General technical data		
Pneumatic connection		Cartridge 10 mm
Mounting position		Any
Noise level <sup>1)</sup>	[dB (A)]	≤ 58
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	800
Product weight	[g]	2.0

1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p1 = 6 bar

Operating and environmental conditions		
Operating pressure	[bar]	0 ... 10
Operating medium		Compressed air in accordance with ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium		Operation with lubricated medium possible
Ambient temperature	[°C]	-5 ... +60

Materials	
Threaded plug	PE
Silencer insert	PE
Note on materials	RoHS-compliant

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

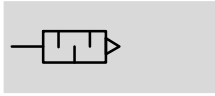
Ordering data							
Pneumatic connection	D	D1	L	L1	Part No.	Type	PU <sup>1)</sup>
	∅	∅					
Cartridge 10 mm	9.8	8.9	31.4	6.8	1224460	AMTC-P-PC10	1

1) Packaging unit

# Silencers AMTE

Technical data – Short design

## Function



- Suitable for reducing noise at the exhaust ports of pneumatic systems



General technical data						
Pneumatic connection		M5	G1/8	G1/4	G3/8	G1/2
Mounting position		Any				
Noise level <sup>1)</sup>	[db (A)]	< 71	< 92	< 95	< 92	< 92
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	91	615	1,000	1,545	2,745
Product weight	[g]	1.1	5	9.5	17	30

1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p1 = 6 bar

Operating and environmental conditions	
Operating pressure	[bar] 0 ... 10
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium	Lubricated operation possible
Ambient temperature	[°C] -40 ... +80
Corrosion resistance class CRC <sup>1)</sup>	1

1) CRC1: Corrosion resistance class to Festo standard 940 070

Components with light corrosion exposure. Protection for transport and storage. Components without significant decorative function or surface, e.g. installed out of sight internally or behind covers.

Materials	
Threaded plug	Brass
Silencer insert	Bronze
Note on materials	RoHS-compliant

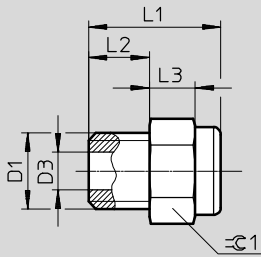
# Silencers AMTE

Technical data – Short design

FESTO

## Dimensions

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



## Ordering data

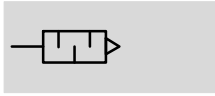
Pneumatic connection	D3	L1	L2	L3	≈C 1	Part No.	Type	PU <sup>1)</sup>
D1	∅	±0.5	±0.1		-0.2			
M5	2.5	8.7	4	3	6	1206621	AMTE-M-H-M5	20
G <sup>1</sup> / <sub>8</sub>	6.5	11.8	5.5	3.5	12	1206622	AMTE-M-H-G18	20
G <sup>1</sup> / <sub>4</sub>	9	13.8	6.5	4	15	1206623	AMTE-M-H-G14	20
G <sup>3</sup> / <sub>8</sub>	12	16.5	7.5	6	19	1206624	AMTE-M-H-G38	10
G <sup>1</sup> / <sub>2</sub>	15	19	10	6	24	1206625	AMTE-M-H-G12	10

1) Packaging unit

# Silencers AMTE

Technical data – Long design

## Function



- Suitable for reducing noise at the exhaust ports of pneumatic systems



General technical data									
Pneumatic connection	M3	M5	G $\frac{1}{8}$	G $\frac{1}{4}$	G $\frac{3}{8}$	G $\frac{1}{2}$	G $\frac{3}{4}$	G1	
Mounting position	Any								
Noise level <sup>1)</sup>	[db (A)]	< 55	< 72	< 76	< 83	< 82	< 88	< 85	< 88
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	95	255	1,735	3,140	5,430	10,500	12,400	17,235
Product weight	[g]	0.4	1.5	7.5	13	26	43	80	115

1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p<sub>1</sub> = 6 bar

Operating and environmental conditions	
Operating pressure	[bar] 0 ... 10
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium	Lubricated operation possible
Ambient temperature	[°C] -40 ... +80
Corrosion resistance class CRC <sup>1)</sup>	1

1) CRC1: Corrosion resistance class to Festo standard 940 070

Components with light corrosion exposure. Protection for transport and storage. Components without significant decorative function or surface, e.g. installed out of sight internally or behind covers.

Materials	
Threaded plug	Brass
Silencer insert	Bronze
Note on materials	RoHS-compliant

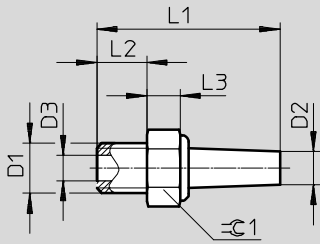
# Silencers AMTE

Technical data – Long design

FESTO

## Dimensions

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## Ordering data

Pneumatic connection	D2	D3	L1	L2	L3	⌀ 1	Part No.	Type	PU <sup>1)</sup>
D1	∅ ±0.5	∅	±1	±0.1		-0.2			
M3	2	1.5	14	3	2	4	1231120	AMTE-M-LH-M3	20
M5	3	2.5	19.8	4	3	6	★ 1205858	AMTE-M-LH-M5	20
G1/8	8	6.5	23.7	5.5	3.5	12	★ 1205860	AMTE-M-LH-G18	20
G1/4	10	9	29	6.5	4	15	★ 1205861	AMTE-M-LH-G14	20
G3/8	12	12	41	7.5	6	19	★ 1205862	AMTE-M-LH-G38	10
G1/2	16	15	46.5	10	6	24	★ 1205863	AMTE-M-LH-G12	10
G3/4	20.5	20	50	10	6	30	1205864	AMTE-M-LH-G34	10
G1	20.5	26	59	10	6	36	1205865	AMTE-M-LH-G1	10

1) Packaging unit

Festo core product range

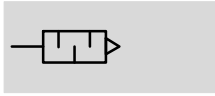
- ★ Ready for dispatch from the Festo factory in 24 hours
- ☆ Ready for dispatch in 5 days maximum from stock



# Silencers AMTE, NPT

Technical data – Long design

Function



- Suitable for reducing noise at the exhaust ports of pneumatic systems



General technical data						
Pneumatic connection	UNF10-32	NPT1/8-27	NPT1/4-18	NPT3/8-18	NPT1/2-14	
Assembly position	Any					
Noise level <sup>1)</sup>	[db (A)]	< 71	< 77	< 82	< 83	< 85
Flow rate with respect to atmosphere <sup>2)</sup>	[l/min]	260	1,615	3,080	5,365	9,240
Product weight	[g]	1.7	9	17	29	46

1) Measured at 6 bar with respect to atmosphere at a distance of 1 m

2) Measured at p1 = 6 bar

Operating and environmental conditions	
Operating pressure	[bar] 0 ... 10
Operating medium	Compressed air to ISO 8573-1:2010 [7:-:-]
Note on operating/pilot medium	Lubricated operation possible
Ambient temperature	[°C] -40 ... +80
Corrosion resistance class CRC <sup>1)</sup>	1

1) CRC1: Corrosion resistance class to Festo standard 940 070

Components with light corrosion exposure. Protection for transport and storage. Components without significant decorative function or surface, e.g. installed out of sight internally or behind covers.

Materials	
Threaded plug	Brass
Silencer insert	Bronze
Note on materials	RoHS-compliant

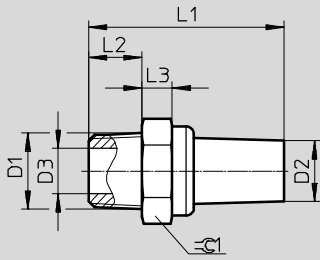
# Silencers AMTE, NPT

Technical data – Long design

FESTO

## Dimensions

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## Ordering data

Pneumatic connection	D2	D3	L1	L2	L3	$\text{C} 1$	Part No.	Type	PU <sup>1)</sup>
D1	$\varnothing$ $\pm 0.5$	$\varnothing$	$\pm 1$	$\pm 0.1$		$-0.2$			
UNF10-32	3	2.5	20.3	4	3.5	6	<b>1206994</b>	<b>AMTE-M-LH-U10</b>	<b>20</b>
NPT1/8-27	8	6	25.7	7	4	12	<b>1206989</b>	<b>AMTE-M-LH-N18</b>	<b>20</b>
NPT1/4-18	10	9	34.5	11	5	15	<b>1206990</b>	<b>AMTE-M-LH-N14</b>	<b>20</b>
NPT3/8-18	12	11.5	43.2	11	5.5	19	<b>1206991</b>	<b>AMTE-M-LH-N38</b>	<b>10</b>
NPT1/2-14	16	15	49	13	5.5	24	<b>1206992</b>	<b>AMTE-M-LH-N12</b>	<b>10</b>

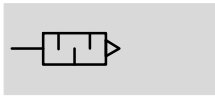
1) Packaging unit

# Silencers UO

Technical data

FESTO

Function



- Use only for vacuum generators VN-T2/T3
- Special minimal resistance silencer
- Facilitates trouble-free operation of the vacuum generator



General technical data			
Pneumatic connection	M7	G1/8	G1/4
Mounting position	Any		
Product weight [g]	2.5	5	8

Operating and environmental conditions	
Operating pressure of vacuum generator [bar]	0 ... 8
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [7:4:4]
Ambient temperature [°C]	-10 ... +60
Corrosion resistance class CRC <sup>1)</sup>	2

1) CRC2: Corrosion resistance class to Festo standard 940 070  
Components with medium corrosion exposure. Externally visible components with significant decorative function in direct contact with normal industrial atmosphere or media such as coolants and lubricants.

Materials	
Threaded plug	Polyethylene
Silencer insert	Polyethylene
Note on materials	Free of copper and PTFE

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

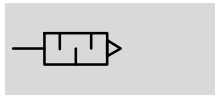
Ordering data						
Pneumatic connection	D	D2	L	L1	Part No.	Type
D1	∅					
M7	9.8	3	36.7	5.5	197582	UO-M7
G1/8	13.8	3.5	48	6.5	197583	UO-1/8
G1/4	17.8	5.3	62.3	8.5	197584	UO-1/4

# Silencers UOM/silencer extensions UOMS

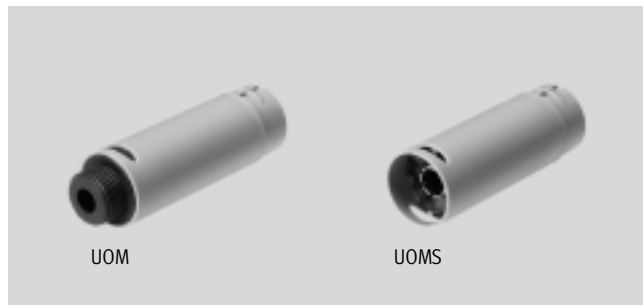
Technical data



Function



- Use only for vacuum generators VN-T4/T6
- Special minimal resistance silencer
- Facilitates trouble-free operation of the vacuum generator
- Silencer extension for extending the silencer for further noise reduction



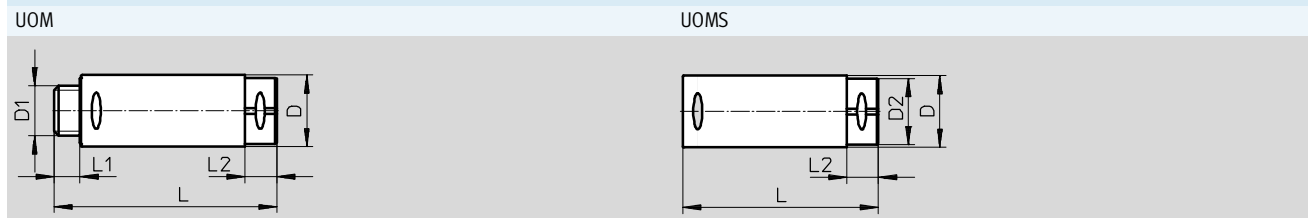
General technical data				
Type	UOM-1/4	UOM-3/8	UOMS-1/4	UOMS-3/8
Pneumatic connection	G1/4	G3/8	-	
Design	Silencer, open			
Type of mounting	Screw-in		Engaging	
Mounting position	Any			
Type of seal on threaded plug	No seal			
Product weight [g]	11.1	22.7	8.6	17.5

Operating and environmental conditions	
Operating pressure of vacuum generator [bar]	0 ... 8
Operating medium	Compressed air in accordance with ISO 8573-1:2010 [-:-:-]
Ambient temperature [°C]	0 ... +60
Corrosion resistance class CRC <sup>1)</sup>	2

1) CRC2: Corrosion resistance class to Festo standard 940 070  
Components with medium corrosion exposure. Externally visible components with significant decorative function in direct contact with normal industrial atmosphere or media such as coolants and lubricants.

Materials	
Housing	Polyacetal
Inner pipe	Wrought aluminium alloy
Threaded plug	Polyacetal
Silencer insert	Polyurethane foam
Note on materials	Free of copper and PTFE Contains PWIS (paint-wetting impairment substances)

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



Ordering data							
Pneumatic connection	D	D2	L	L1	L2	Part No.	Type
D1	∅	∅					
Silencer							
G1/4	17.8	-	73	8	10	<b>538432</b>	<b>UOM-1/4</b>
G3/8	23.8	-	74	8.6	10.5	<b>538433</b>	<b>UOM-3/8</b>
Silencer extension							
-	17.8	16	64.5	-	10	<b>538436</b>	<b>UOMS-1/4</b>
-	23.8	22	65.2	-	10.5	<b>538437</b>	<b>UOMS-3/8</b>