

## Silencers, series SI1



## AVENTICS™ Silencers, series SI1

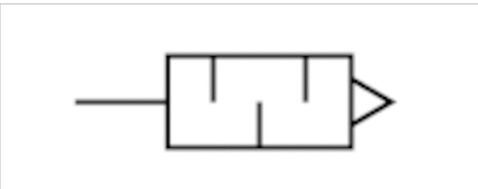


# Silencers, series SI1

- M5
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 72 dB                                                     |
| Weight                        | 0.004 kg                                                  |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Flow      | Delivery unit |
|------------|---------------------------|-----------|---------------|
|            |                           | Qn        |               |
| 1827000006 | M5                        | 398 l/min | 10 piece      |

Weight per piece

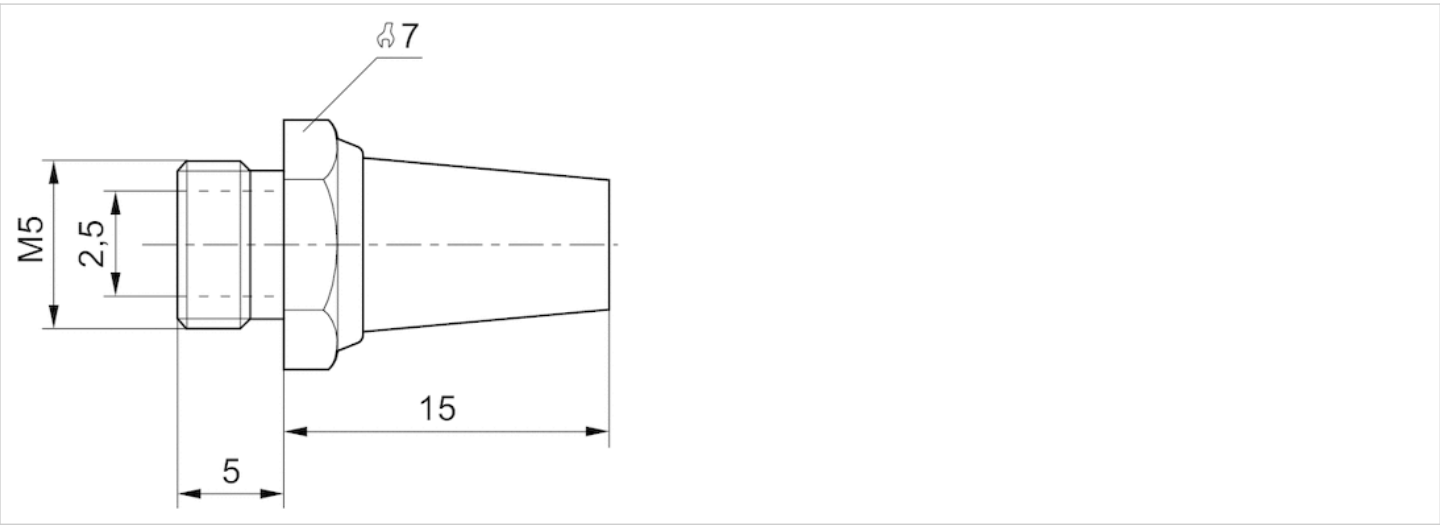
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

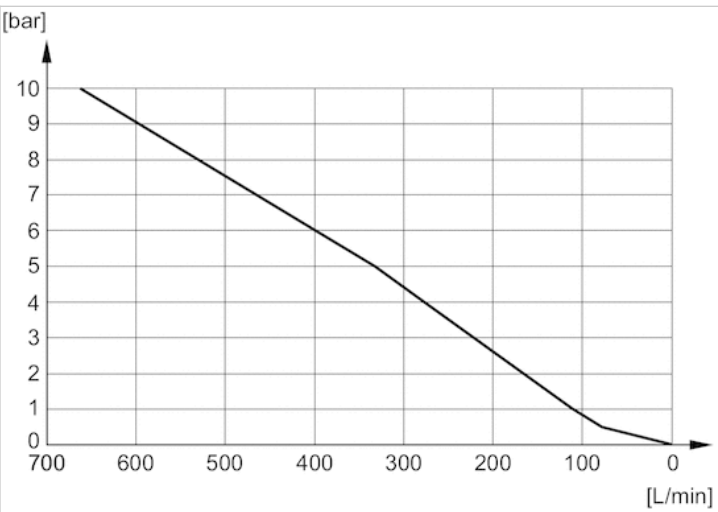
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 1827000006

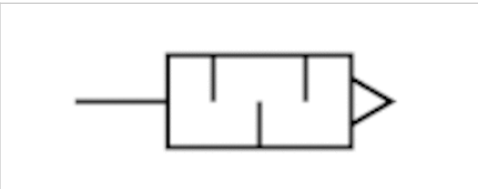


# silencers, series SI1

- M7
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Weight                        | 0.005 kg                                                  |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Delivery unit |
|------------|---------------------------|---------------|
| 8140000700 | M7                        | 10 piece      |

Weight per piece

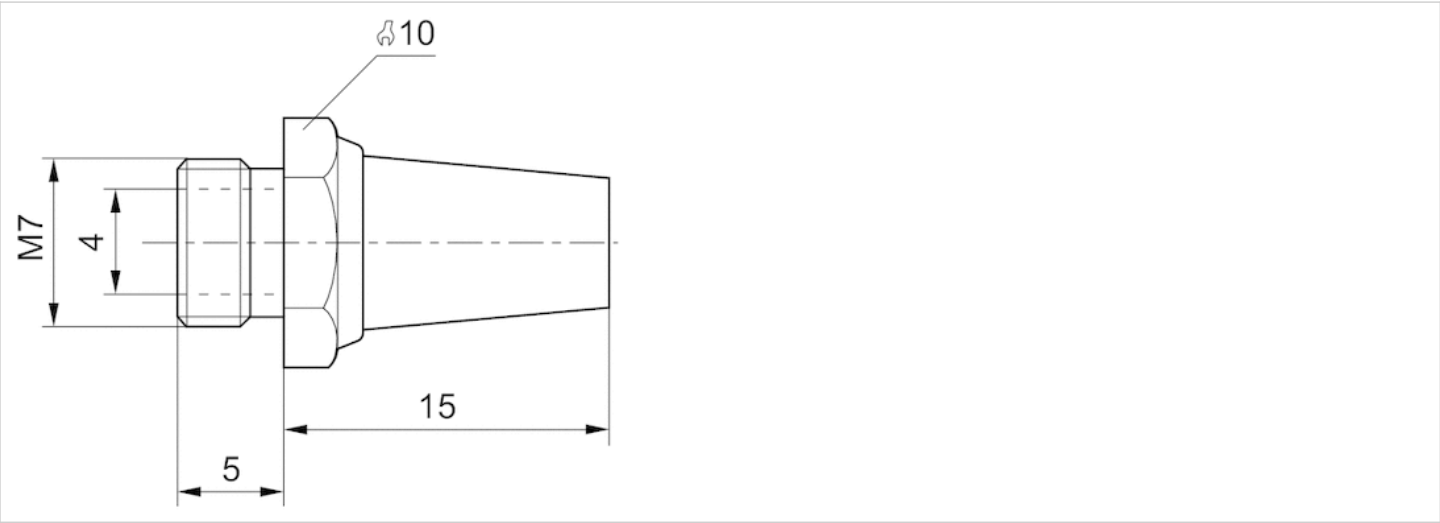
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

Dimensions

Dimensions in mm

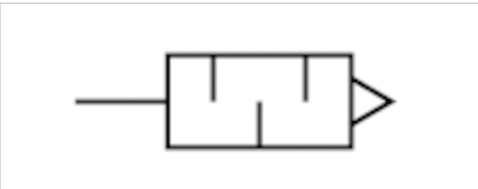


# silencers, series SI1

- M10x1
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 75 dB                                                     |
| Weight                        | 0.011 kg                                                  |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 5324001110 | M10x1                     | 1747 l/min | 1 piece       |

Weight per piece

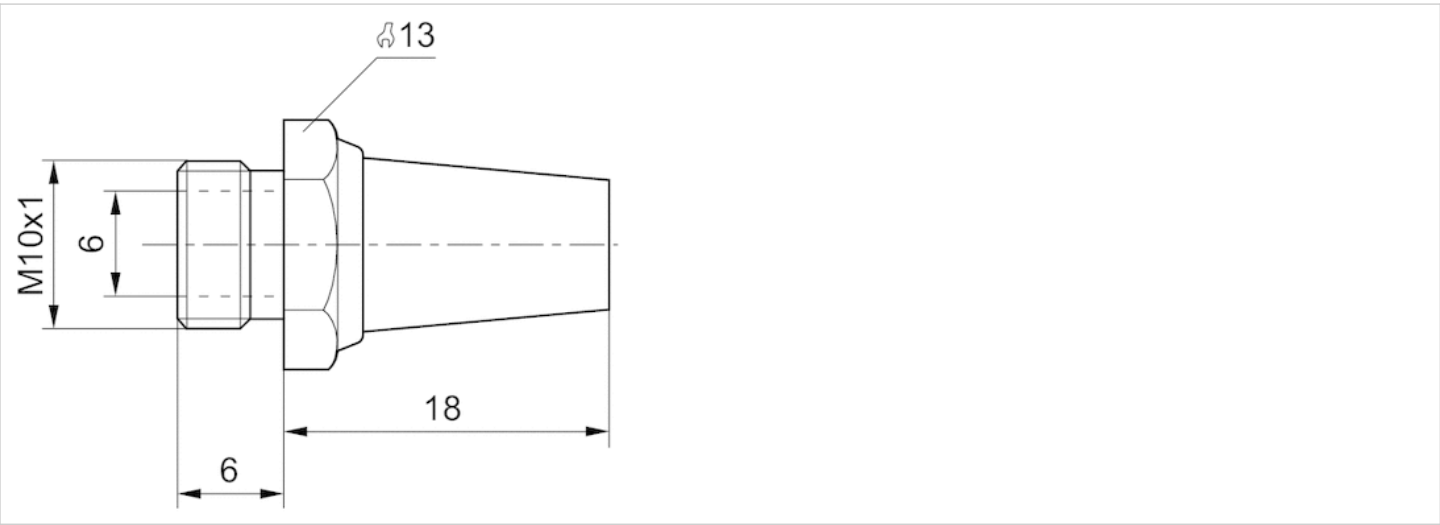
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

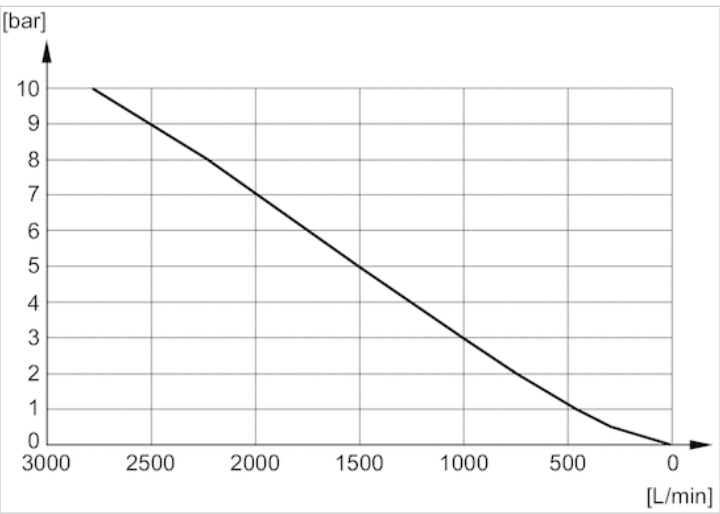
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 5324001110

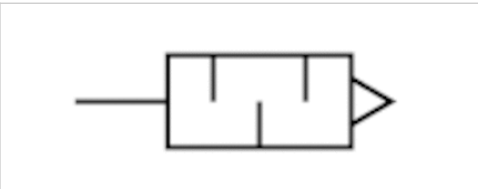


# silencers, series SI1

- M12x1,5
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 80 dB                                                     |
| Weight                        | 0.019 kg                                                  |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 5324001170 | M12x1,5                   | 3049 l/min | 1 piece       |

Weight per piece

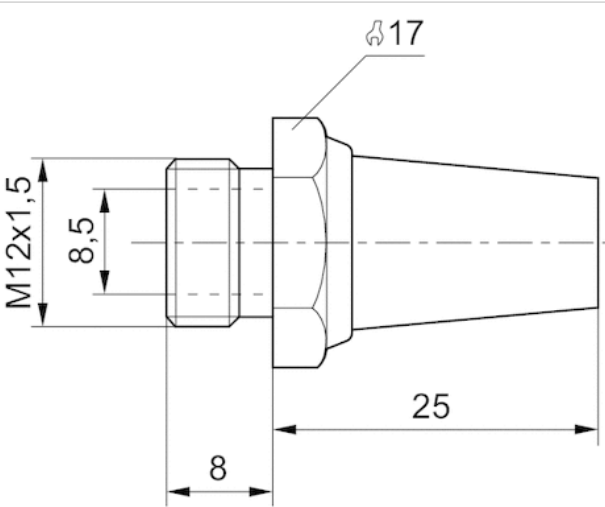
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

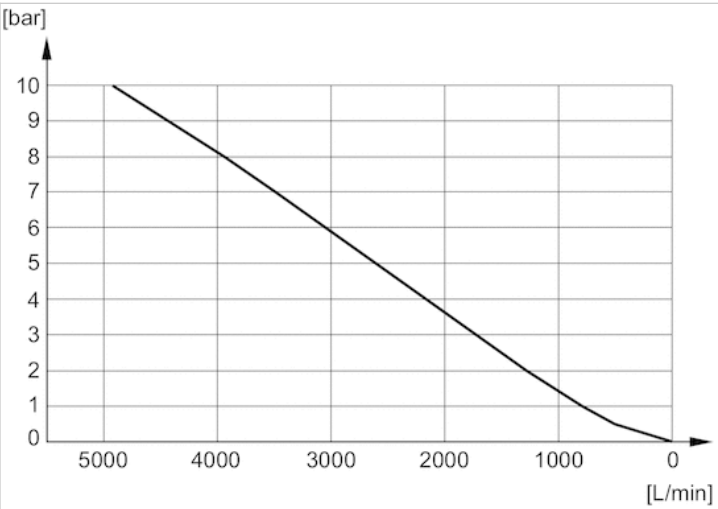
Dimensions

Dimensions in mm



Diagrams

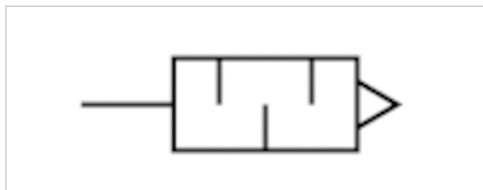
Flow diagram, 5324001170



- M14x1,5
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 80 dB                                                     |
| Weight                        | 0.018 kg                                                  |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



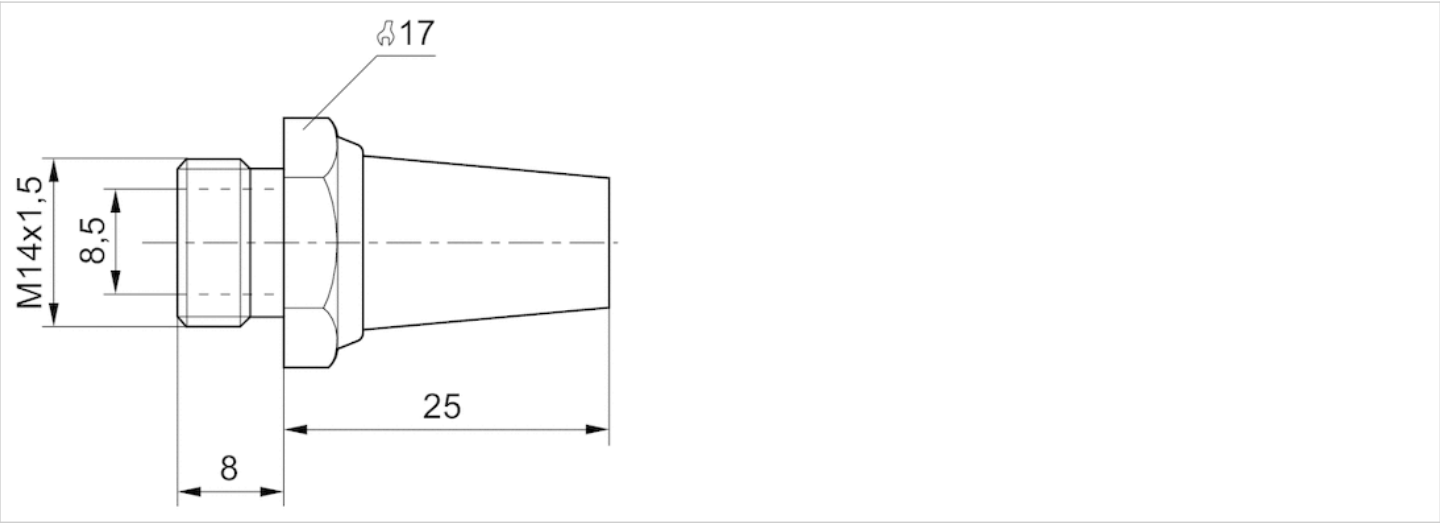
| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 5324001120 | M14x1,5                   | 3390 l/min | 1 piece       |

Nominal flow  $Q_n$  at  $p_1 = 6$  bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

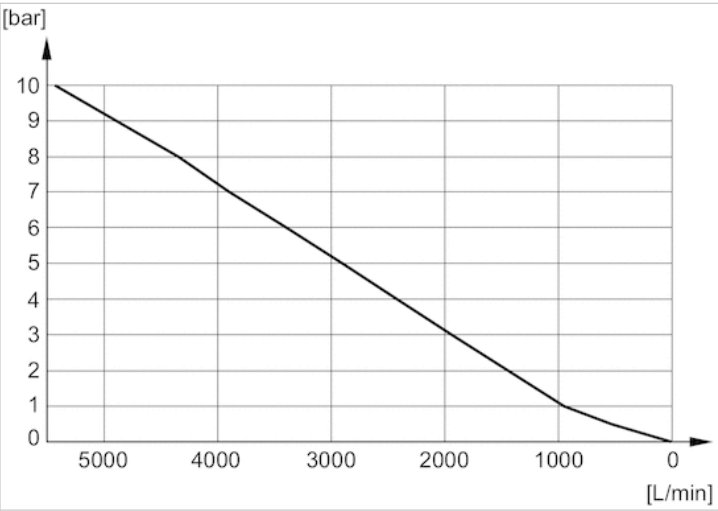
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 5324001120

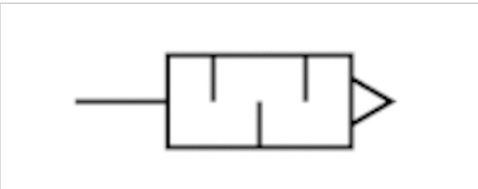


# silencers, series SI1

- M22x1,5
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 85 dB                                                     |
| Weight                        | 0.071 kg                                                  |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 5324001140 | M22x1,5                   | 7223 l/min | 1 piece       |

Weight per piece

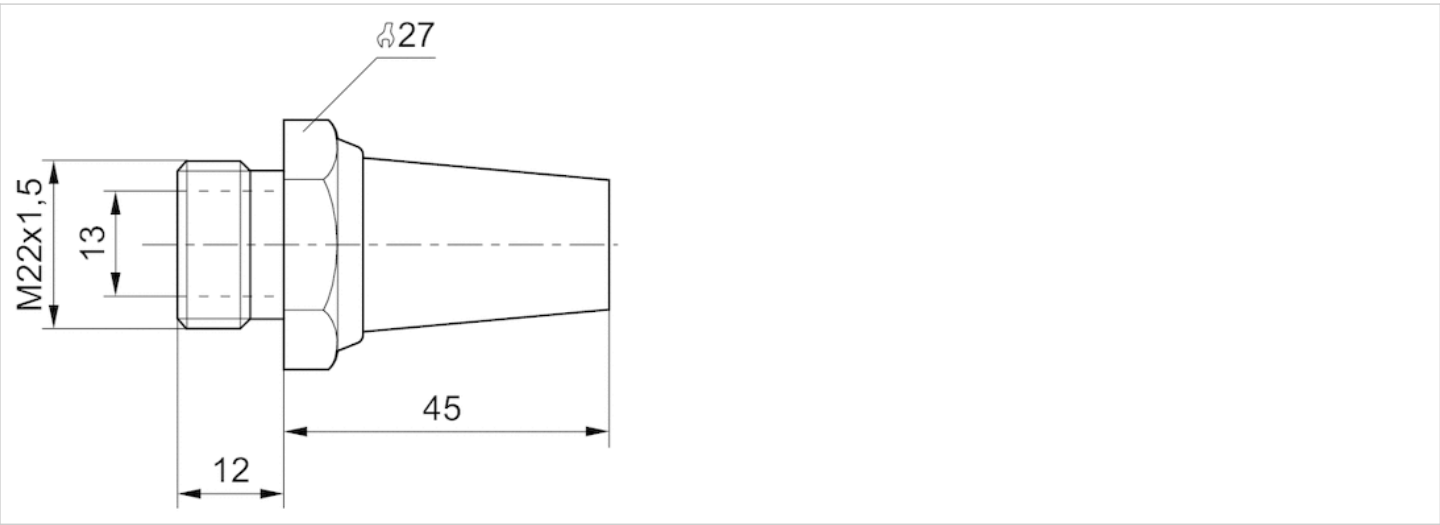
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

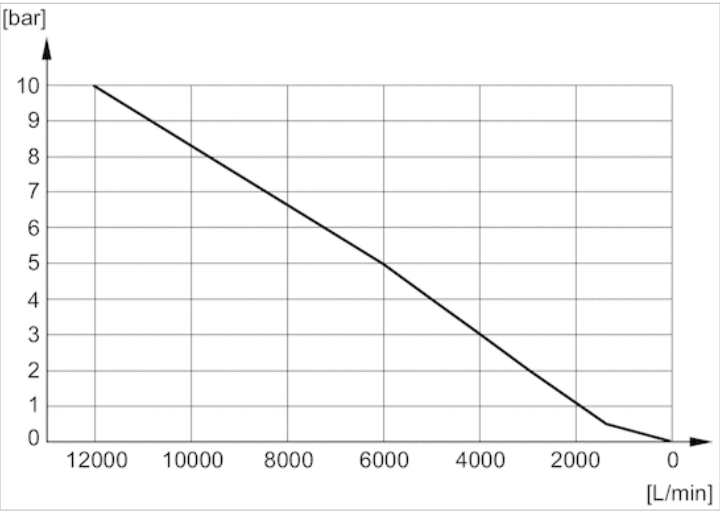
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 5324001140

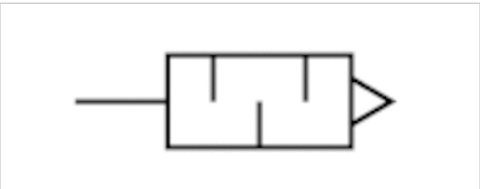


# silencers, series SI1

- G 1/8
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 75 dB                                                     |
| Weight                        | 0.01 kg                                                   |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 1827000000 | G 1/8                     | 1623 l/min | 10 piece      |

Weight per piece

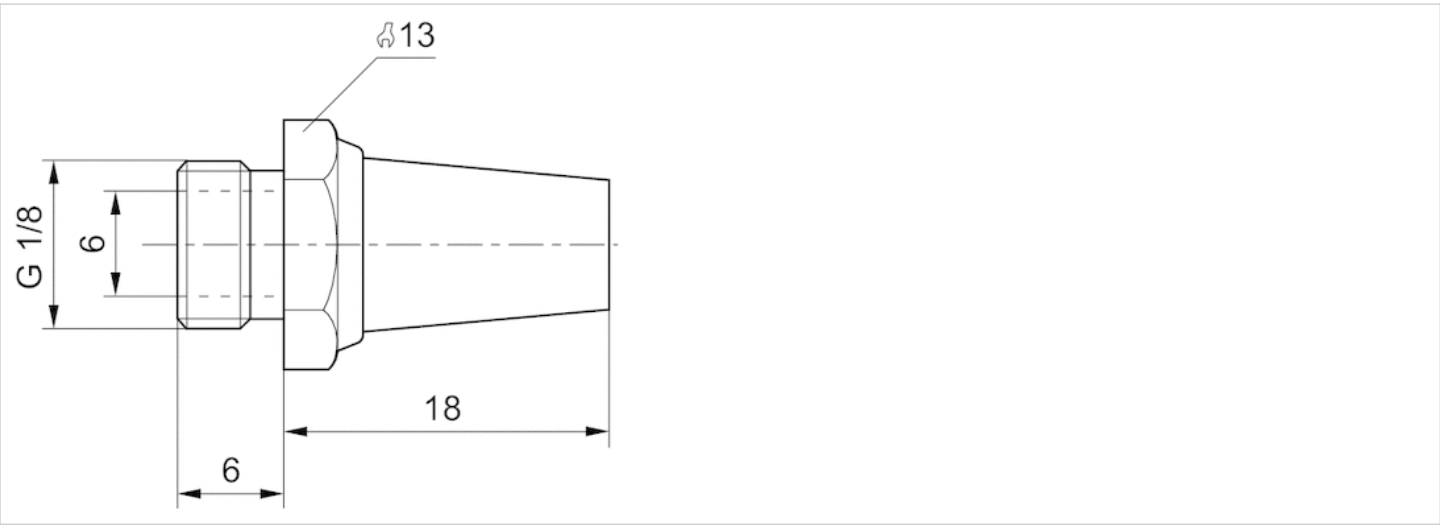
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

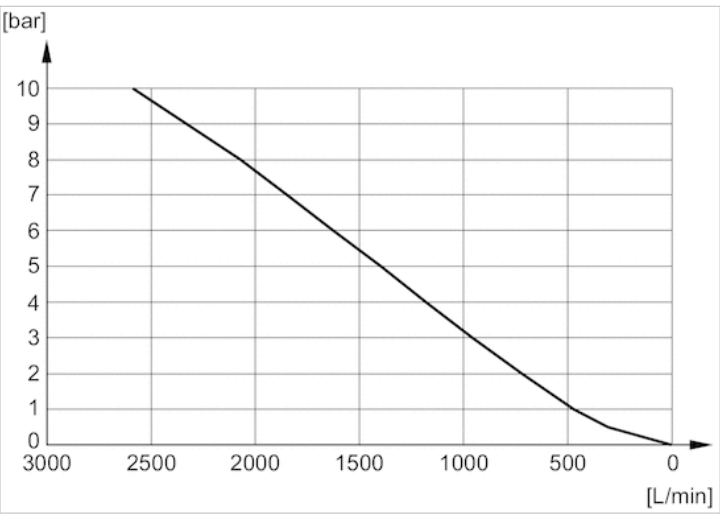
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 1827000000



# Silencers, series SI1

- G 1/4

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

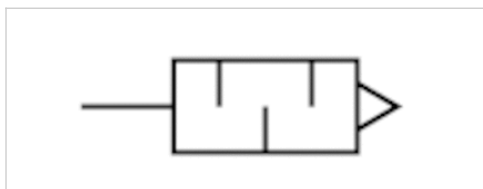
See table below

Weight

See table below

Comment

Flow characteristic curves can be found under "Diagrams".



## Technical data

| Part No.   | Compressed air connection | Sound pressure level | Flow       | Delivery unit | Weight   |
|------------|---------------------------|----------------------|------------|---------------|----------|
|            |                           |                      | Qn         |               |          |
| R412004817 | G 1/4                     | -                    | 5950 l/min | 10 piece      | 0.013 kg |
| 1827000001 | G 1/4                     | 79 dB                | 3390 l/min | 10 piece      | 0.02 kg  |

Weight per piece

Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

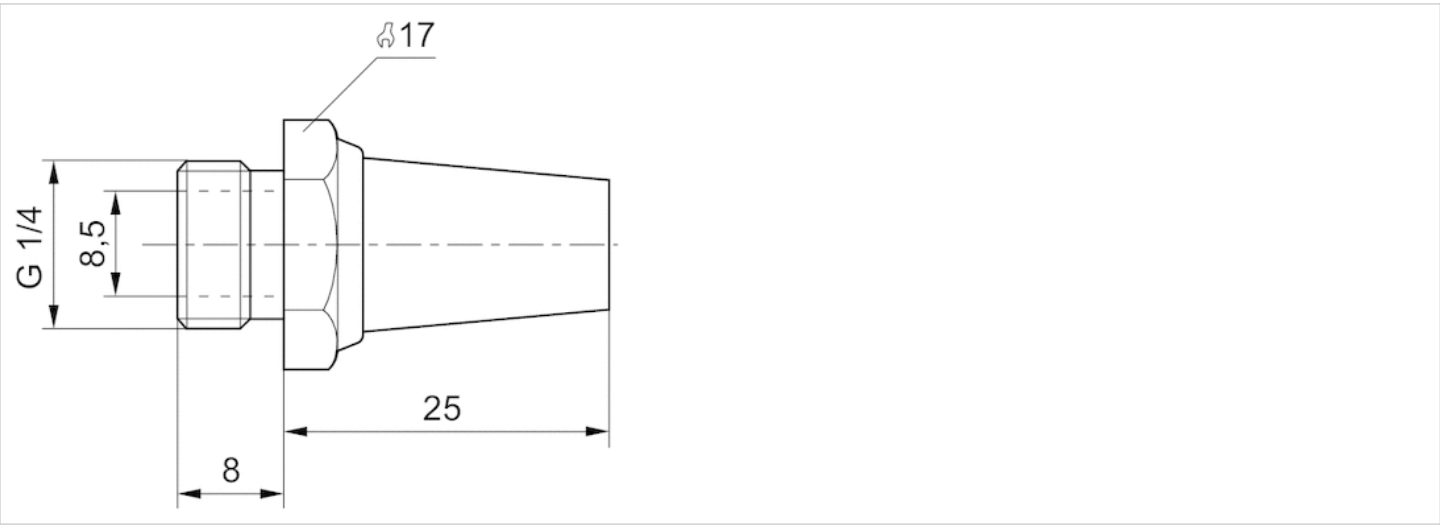
| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

Dimensions

Dimensions in mm



Dimensions in mm

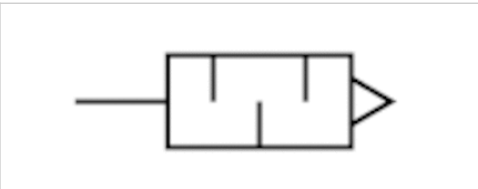


# silencers, series SI1

- G 3/8
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 84 dB                                                     |
| Weight                        | 0.05 kg                                                   |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 1827000002 | G 3/8                     | 6554 l/min | 5 piece       |

Weight per piece

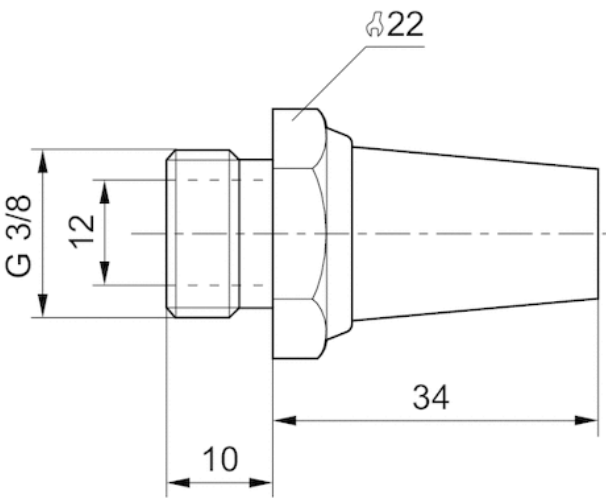
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

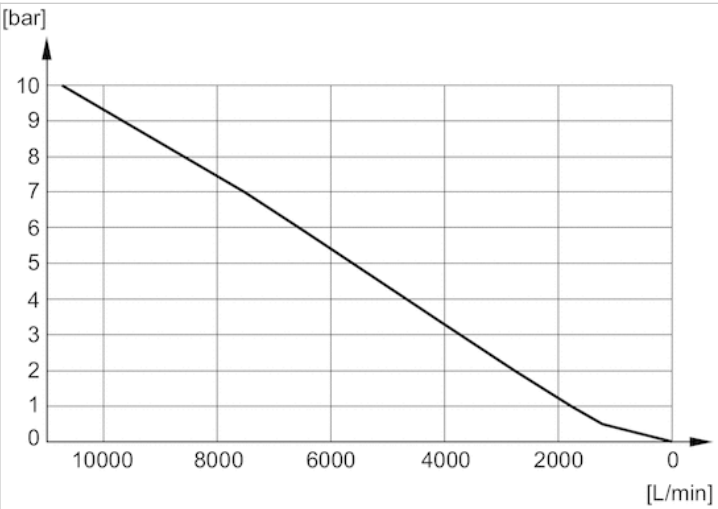
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 1827000002

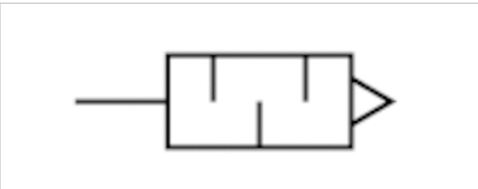


# silencers, series SI1

- G 1/2
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 90 dB                                                     |
| Weight                        | 0.08 kg                                                   |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 1827000003 | G 1/2                     | 7223 l/min | 2 piece       |

Weight per piece

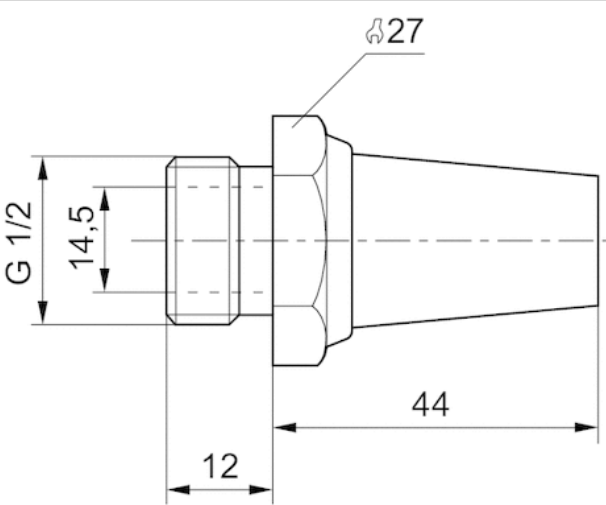
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

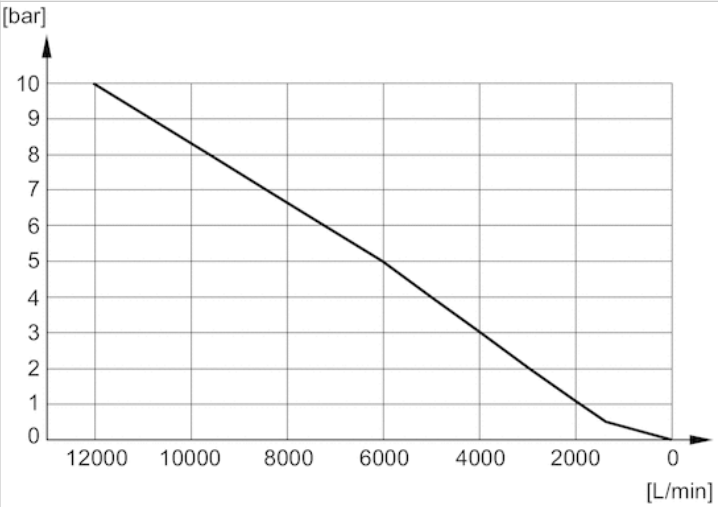
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 1827000003

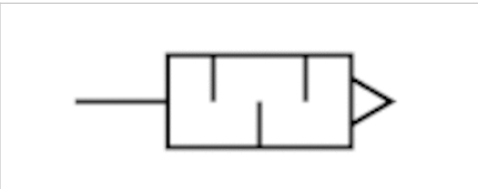


# silencers, series SI1

- G 3/4
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 92 dB                                                     |
| Weight                        | 0.13 kg                                                   |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



## Technical data

| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 1827000004 | G 3/4                     | 8394 l/min | 1 piece       |

Weight per piece

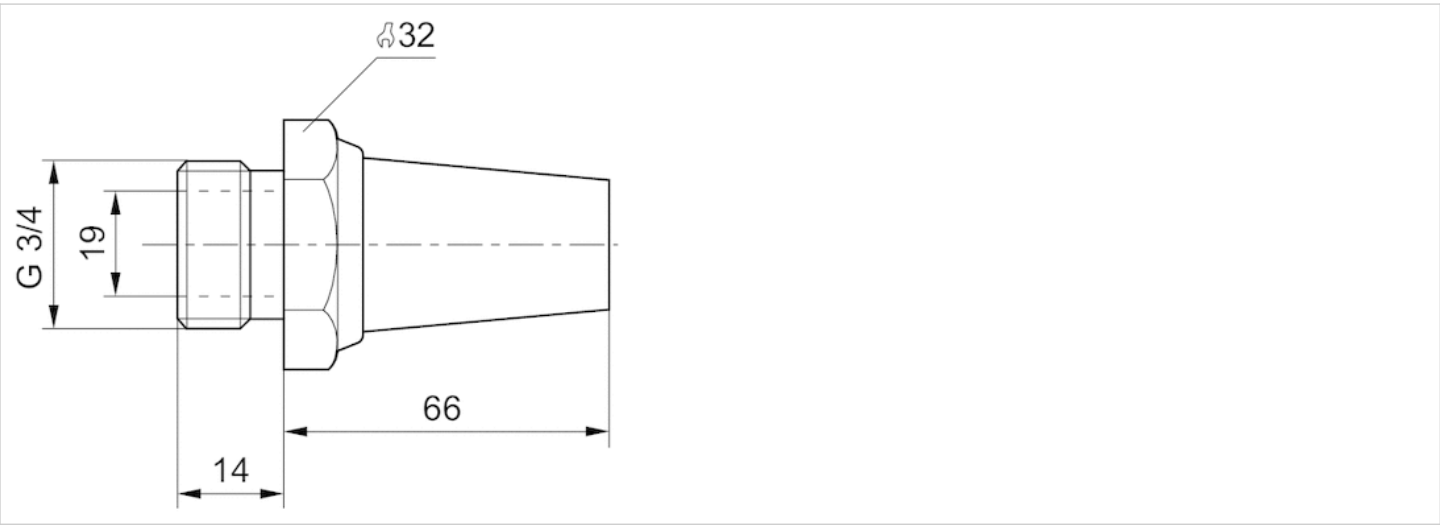
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

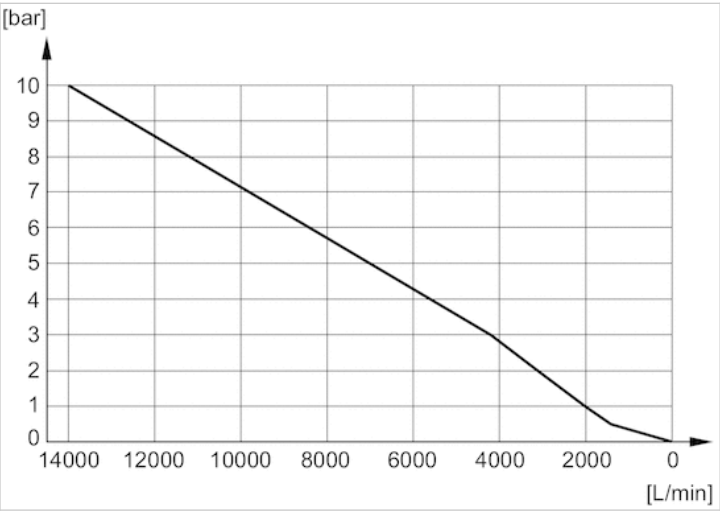
Dimensions

Dimensions in mm



Diagrams

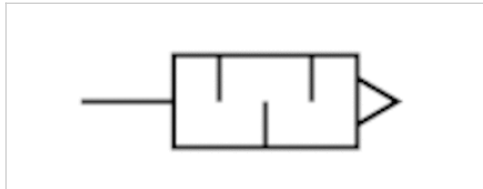
Flow diagram, 1827000004



- G 1
- Sintered bronze



|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Working pressure min./max.    | 0 ... 10 bar                                              |
| Ambient temperature min./max. | -25 ... 80 °C                                             |
| Medium                        | Compressed air                                            |
| Sound pressure level          | 102 dB                                                    |
| Weight                        | 0.18 kg                                                   |
| Comment                       | Flow characteristic curves can be found under "Diagrams". |



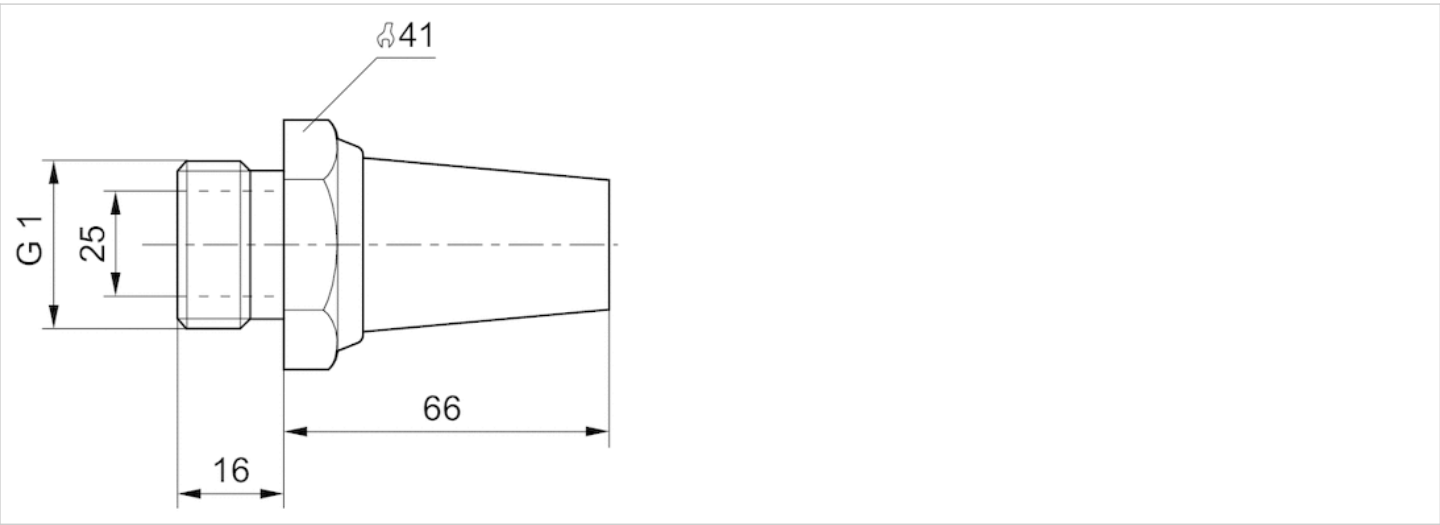
| Part No.   | Compressed air connection | Flow        | Delivery unit |
|------------|---------------------------|-------------|---------------|
|            |                           | Qn          |               |
| 1827000005 | G 1                       | 12848 l/min | 1 piece       |

Nominal flow  $Q_n$  at  $p_1 = 6$  bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

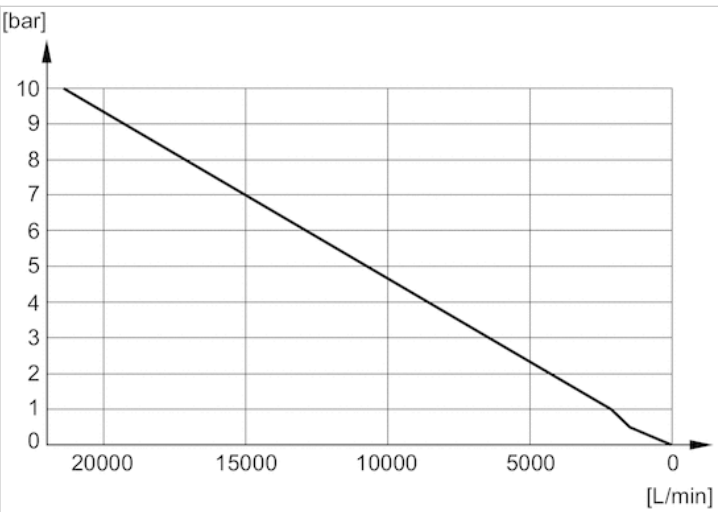
Dimensions

Dimensions in mm



Diagrams

Flow diagram, 1827000005



# Silencers, series SI1

- Ø 4 Ø 6 Ø 8

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

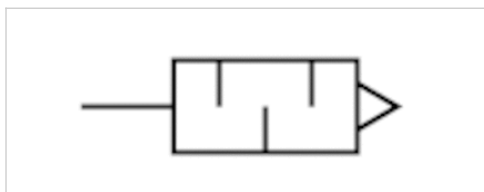
See table below

Weight

See table below

Comment

Flow characteristic curves can be found under "Diagrams".



## Technical data

| Part No.   | Compressed air connection | Sound pressure level | Flow       | Delivery unit | Weight   |
|------------|---------------------------|----------------------|------------|---------------|----------|
|            |                           |                      | Qn         |               |          |
| 8240040000 | Ø 4                       | 72 dB                | 366 l/min  | 5 piece       | 0.004 kg |
| 8240060000 | Ø 6                       | -                    | 1011 l/min | 5 piece       | 0.01 kg  |
| 8240080000 | Ø 8                       | 75 dB                | 2200 l/min | 5 piece       | 0.019 kg |

Weight per piece

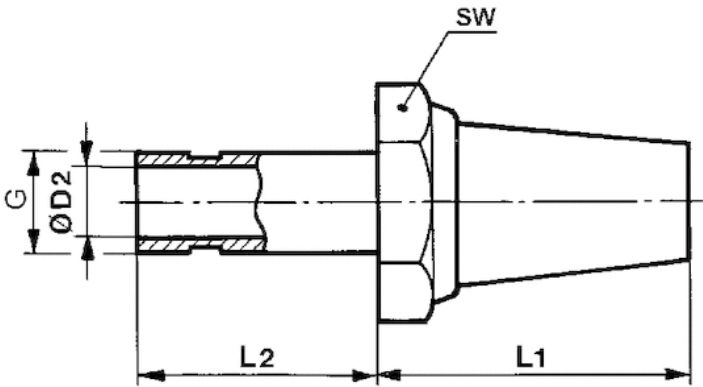
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material        |                 |
|-----------------|-----------------|
| Silencer        | Sintered bronze |
| push-in fitting | Brass           |

Dimensions

Dimensions



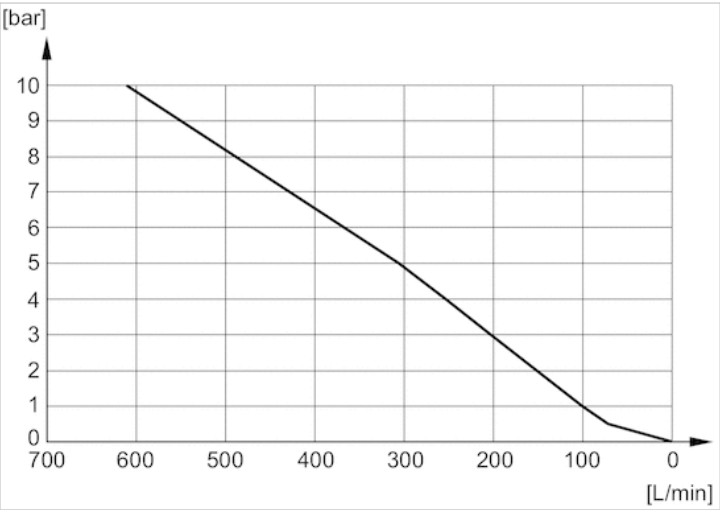
Dimensions

| Part No.   | Port G | Ø D2 | L1 | L2 | SW |
|------------|--------|------|----|----|----|
| 8240040000 | Ø 4    | 2.5  | 16 | 17 | 10 |
| 8240060000 | Ø 6    | 4    | 18 | 19 | 13 |
| 8240080000 | Ø 8    | 6    | 25 | 19 | 17 |

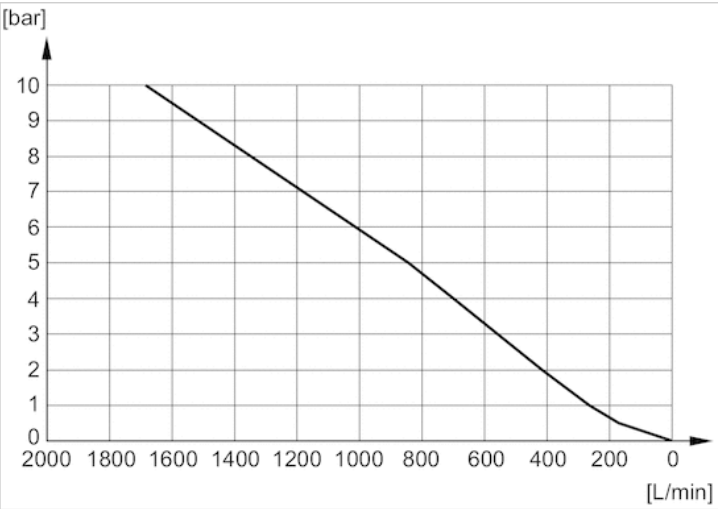
Sound pressure level measured at 6 bar at 1 m distance

Diagrams

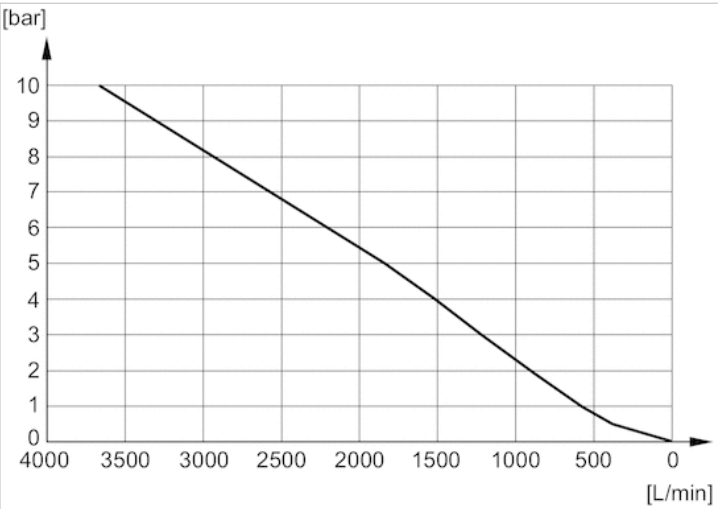
Flow diagram, 8240040000



Flow diagram, 8240060000



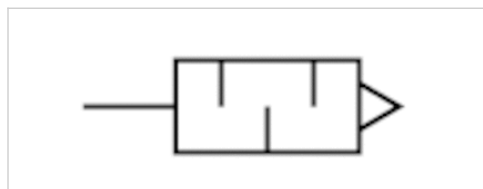
Flow diagram, 8240080000



# Silencers, series SI1

- M5 G 1/8 G 1/4 G 3/8 G 1/2 G 3/4 G 1

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

See table below

Weight

See table below

Comment

Flow characteristic curves can be found under "Diagrams".

## Technical data

| Part No.   | Compressed air connection | Sound pressure level | Flow       | Delivery unit | Weight   |
|------------|---------------------------|----------------------|------------|---------------|----------|
|            |                           |                      | Qn         |               |          |
| 1827000032 | M5                        | 79 dB                | 252 l/min  | 10 piece      | 0.005 kg |
| 1827000031 | G 1/8                     | 85 dB                | 700 l/min  | 10 piece      | 0.001 kg |
| 1827000033 | G 1/4                     | 88 dB                | 1116 l/min | 10 piece      | 0.01 kg  |
| 1827000034 | G 3/8                     | 90 dB                | 1706 l/min | 5 piece       | 0.016 kg |
| 1827000035 | G 1/2                     | 85 dB                | 2568 l/min | 2 piece       | 0.035 kg |
| 8145003400 | G 3/4                     | 82 dB                | 3260 l/min | 1 piece       | 0.095 kg |
| 8145001000 | G 1                       | 82 dB                | 9485 l/min | 1 piece       | 0.057 kg |

Weight per piece

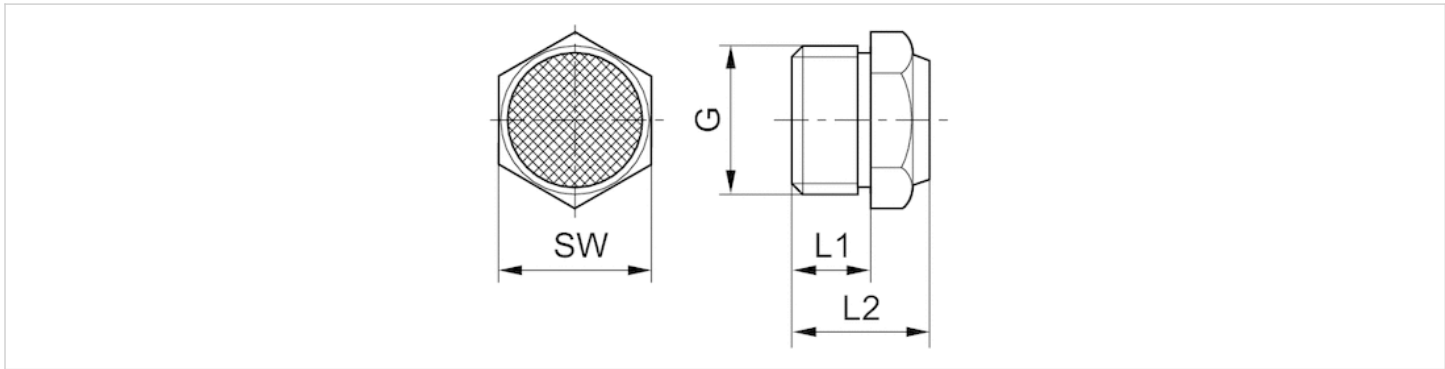
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

# Dimensions

## Dimensions



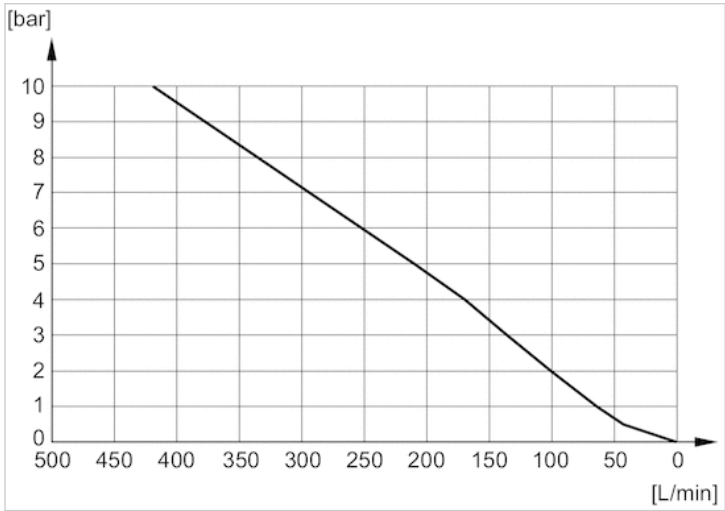
# Dimensions

| Part No.   | Port G | L1 | L2   | SW |
|------------|--------|----|------|----|
| 1827000032 | M5     | 5  | 10.3 | 7  |
| 1827000031 | G 1/8  | 6  | 11.5 | 13 |
| 1827000033 | G 1/4  | 8  | 13.5 | 17 |
| 1827000034 | G 3/8  | 10 | 17.5 | 22 |
| 1827000035 | G 1/2  | 12 | 19.5 | 27 |
| 8145003400 | G 3/4  | 14 | 22.5 | 32 |
| 8145001000 | G 1    | 16 | 22.5 | 41 |

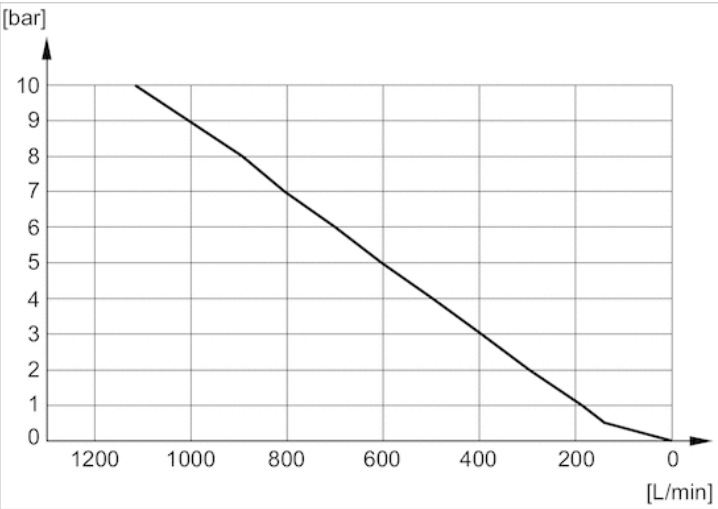
Sound pressure level measured at 6 bar at 1 m distance

# Diagrams

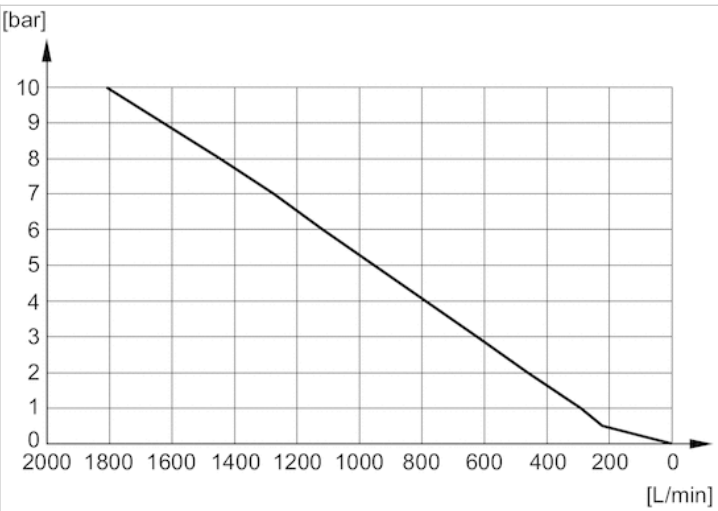
## Flow diagram, 1827000032



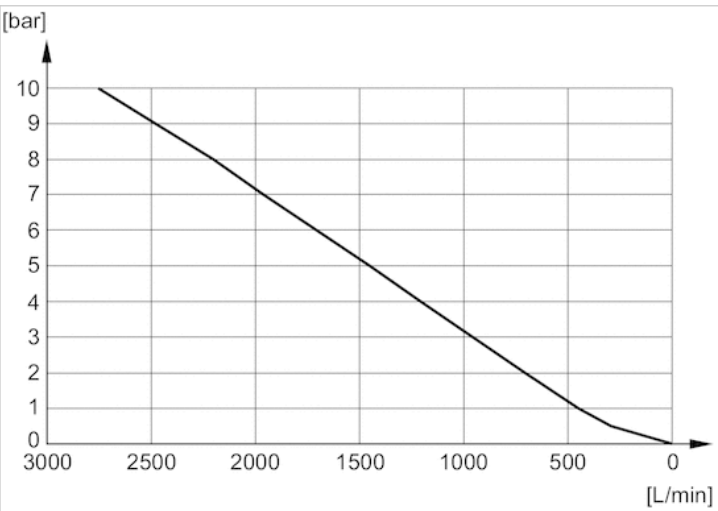
Flow diagram, 1827000031



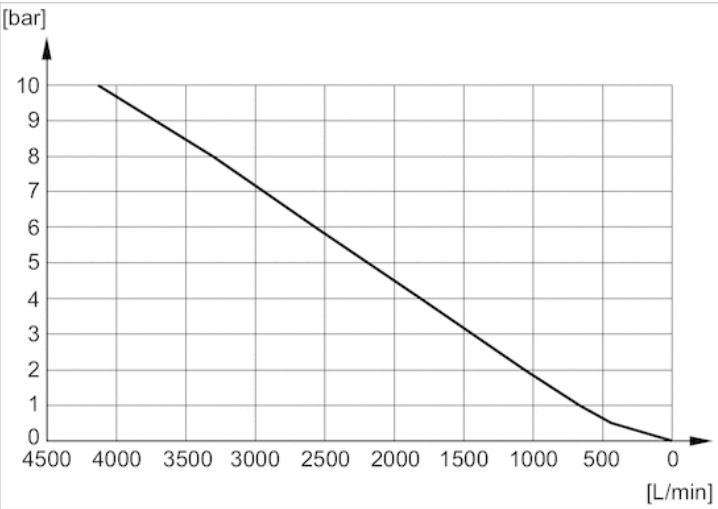
Flow diagram, 1827000033



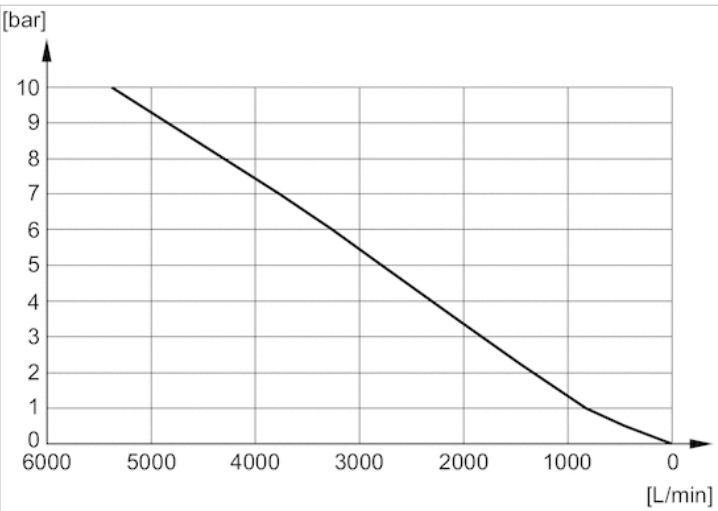
Flow diagram, 1827000034



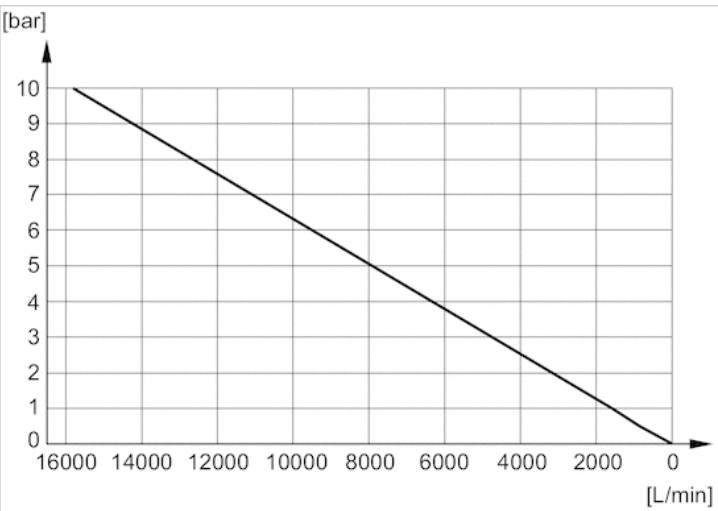
Flow diagram, 1827000035



Flow diagram, 8145003400



Flow diagram, 8145001000



# Silencers, series SI1

- G 1/8 G 1/4 G 3/8 G 1/2 G 3/4 G 1

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

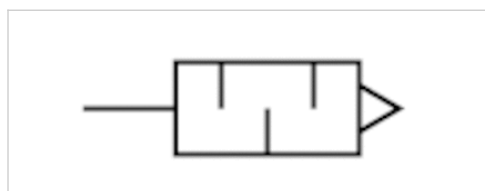
-25 ... 80 °C

Medium

Compressed air

Comment

Flow characteristic curves can be found under "Diagrams".



## Technical data

| Part No.   | Compressed air connection | Flow       | Delivery unit |
|------------|---------------------------|------------|---------------|
|            |                           | Qn         |               |
| 1827430004 | G 1/8                     | 311 l/min  | 10 piece      |
| R414000155 | G 1/4                     | 553 l/min  | 10 piece      |
| R412007875 | G 3/8                     | 743 l/min  | 5 piece       |
| R412007876 | G 1/2                     | 1343 l/min | 2 piece       |
| R412007877 | G 3/4                     | 3585 l/min | 2 piece       |
| R412007878 | G 1                       | 5012 l/min | 2 piece       |

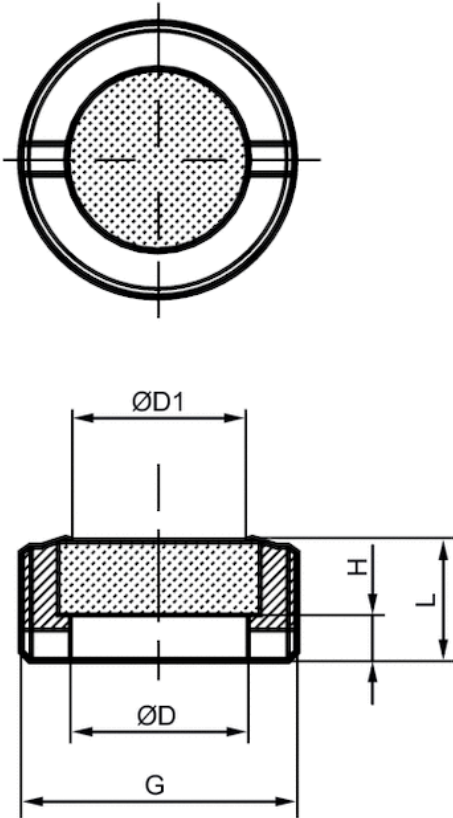
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Sintered bronze |
| Thread   | Brass           |

Dimensions

Dimensions

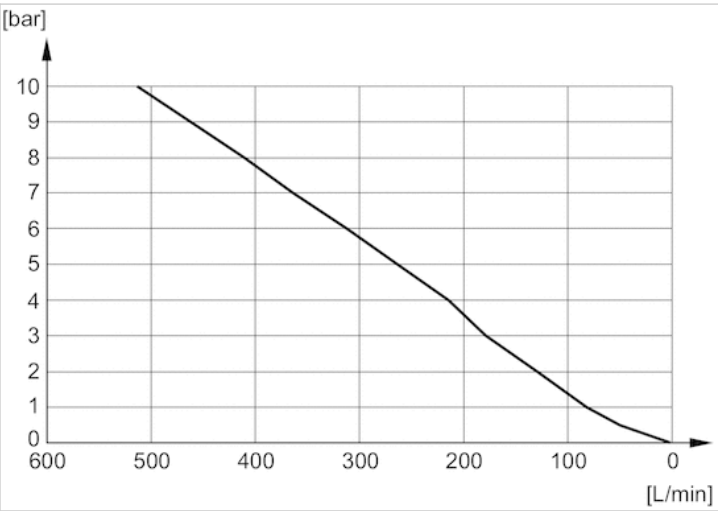


Dimensions

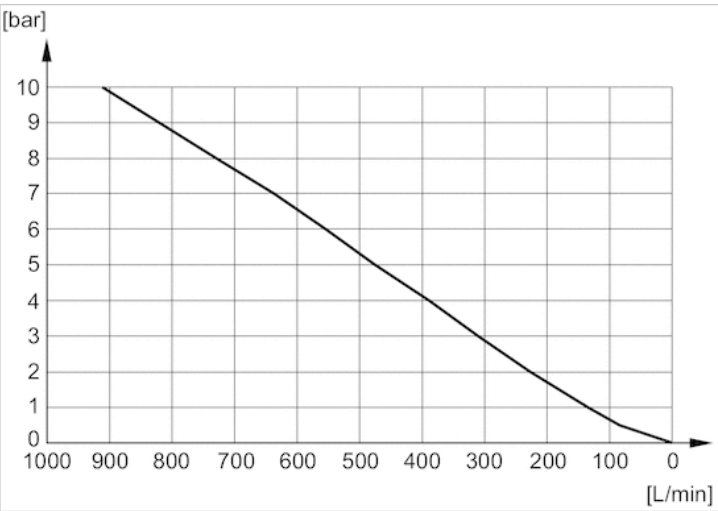
| Part No.   | Port G | Ø D | Ø D1 | H   | L   |
|------------|--------|-----|------|-----|-----|
| 1827430004 | G 1/8  | 6   | 5    | 2   | 4   |
| R414000155 | G 1/4  | 8   | 6    | 3   | 6   |
| R412007875 | G 3/8  | 10  | 8    | 3   | 7   |
| R412007876 | G 1/2  | 15  | 12   | 5   | 9   |
| R412007877 | G 3/4  | 20  | 17   | 3.4 | 8   |
| R412007878 | G 1    | 26  | 23   | 5.5 | 9.5 |

# Diagrams

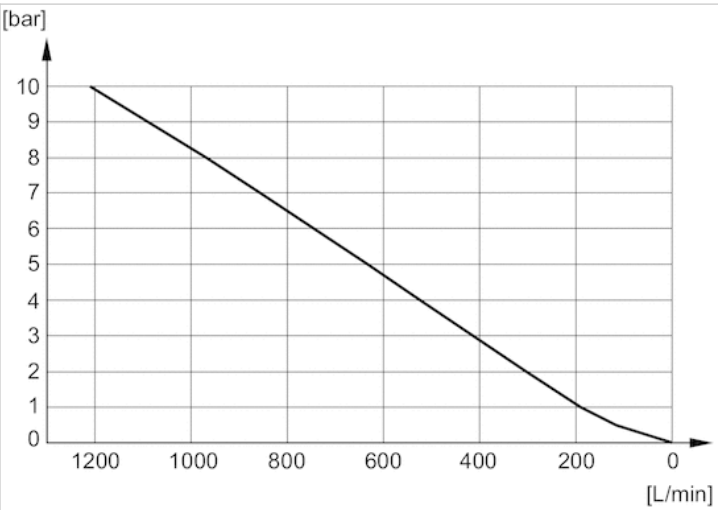
Flow diagram, 1827430004



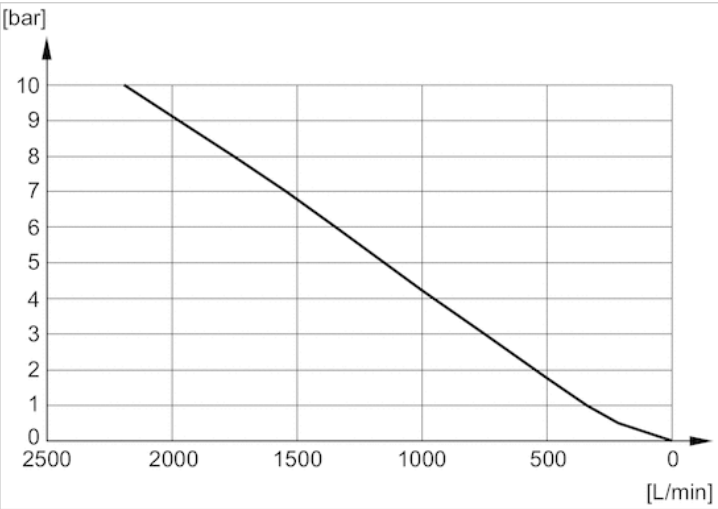
Flow diagram, R414000155



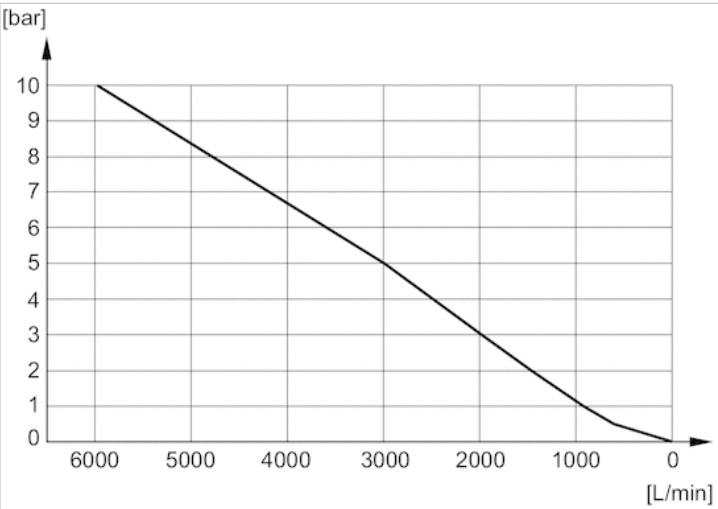
R412007875



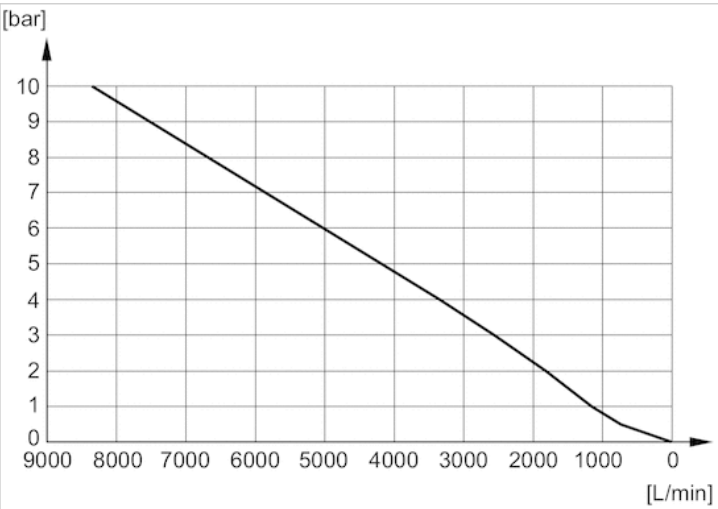
Flow diagram, R412007876



Flow diagram, R412007877



Flow diagram, R412007878



# Silencers, series SI1

- M5 G 1/8 G 1/4 G 3/8 G 1/2 G 3/4 G 1

- Stainless steel



Working pressure min./max.

0 ... 12 bar

Ambient temperature min./max.

-20 ... 150 °C

Medium

Compressed air

Sound pressure level

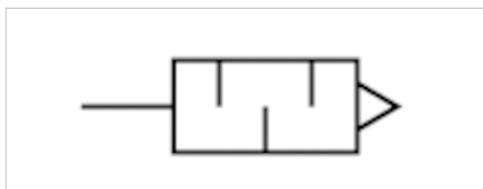
See table below

Weight

See table below

Comment

Flow characteristic curves can be found under "Diagrams".



## Technical data

| Part No.   | Compressed air connection | Sound pressure level | Flow       | Delivery unit | Weight   |
|------------|---------------------------|----------------------|------------|---------------|----------|
|            |                           |                      | Qn         |               |          |
| R412010090 | M5                        | 85 dB                | 73 l/min   | 1 piece       | 0.003 kg |
| R412010081 | G 1/8                     | 90 dB                | 1312 l/min | 1 piece       | 0.011 kg |
| R412010082 | G 1/4                     | 93 dB                | 1852 l/min | 1 piece       | 0.021 kg |
| R412010083 | G 3/8                     | 101 dB               | 2678 l/min | 1 piece       | 0.028 kg |
| R412010084 | G 1/2                     | 95 dB                | 5649 l/min | 1 piece       | 0.048 kg |
| R412010085 | G 3/4                     | 110 dB               | 5945 l/min | 1 piece       | 0.076 kg |
| R412010086 | G 1                       | 100 dB               | 7206 l/min | 1 piece       | 0.099 kg |

Weight per piece

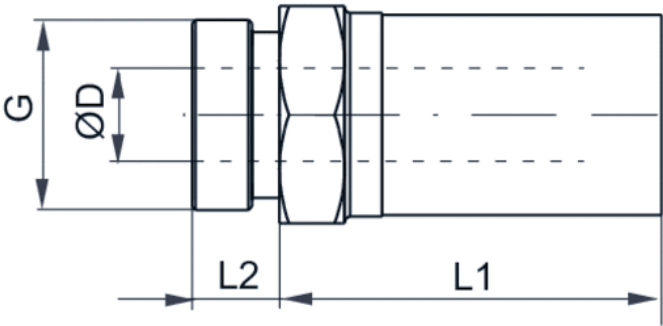
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Stainless steel |
| Thread   | Stainless steel |

Dimensions

Dimensions

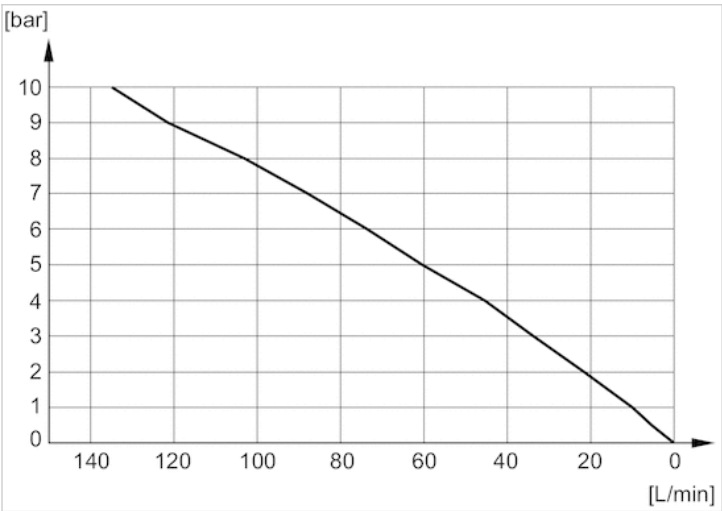


Dimensions

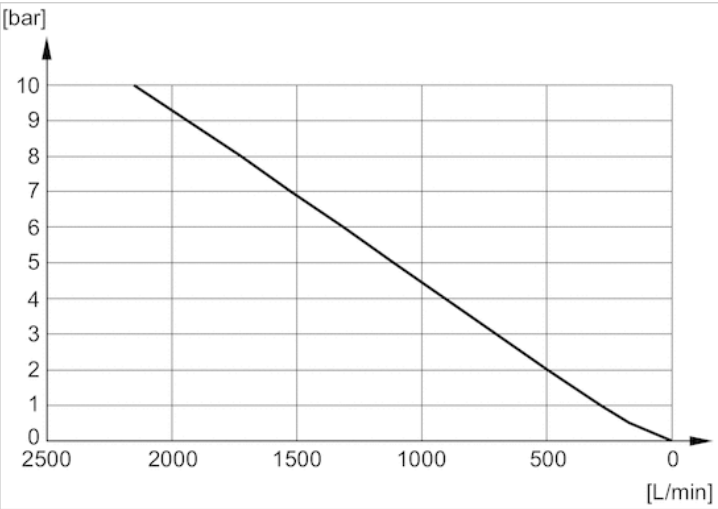
| Part No.   | Port G | SW | Ø D  | L1   | L2   |
|------------|--------|----|------|------|------|
| R412010090 | M5     | 8  | 3.1  | 10.5 | 3.5  |
| R412010081 | G 1/8  | 13 | 6.6  | 20   | 6    |
| R412010082 | G 1/4  | 16 | 8.6  | 29.5 | 7.5  |
| R412010083 | G 3/8  | 19 | 12.1 | 33.5 | 7.5  |
| R412010084 | G 1/2  | 24 | 15.3 | 39.5 | 9.5  |
| R412010085 | G 3/4  | 30 | 19.3 | 45   | 10   |
| R412010086 | G 1    | 36 | 25.5 | 49.5 | 11.5 |

Diagrams

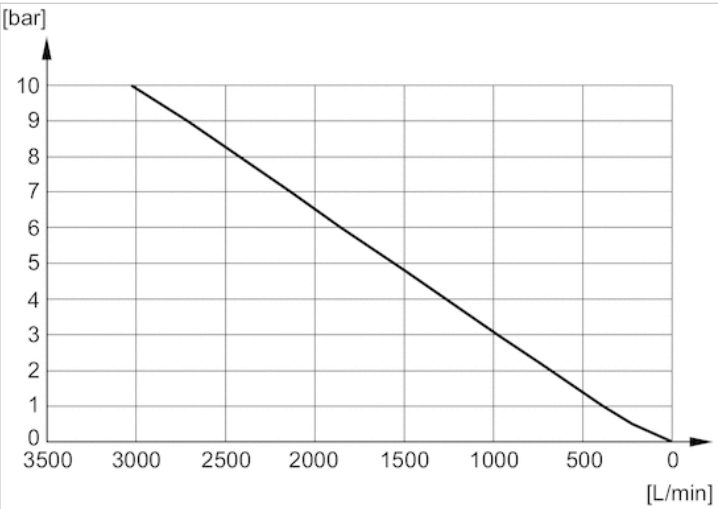
Flow diagram, R412010090



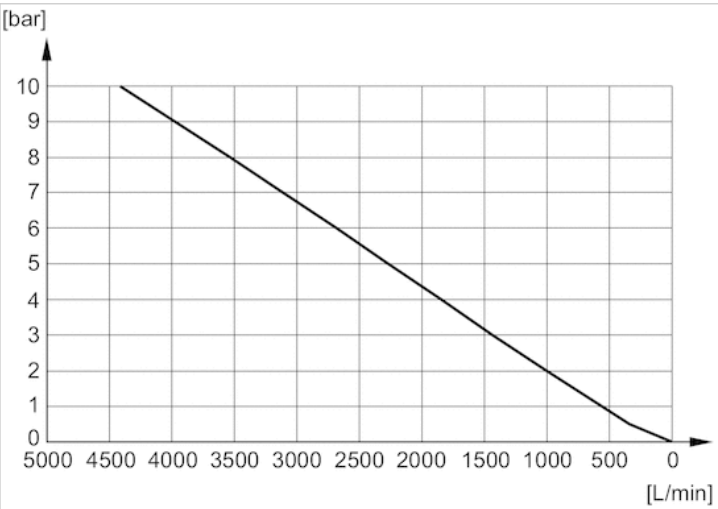
Flow diagram, R412010081



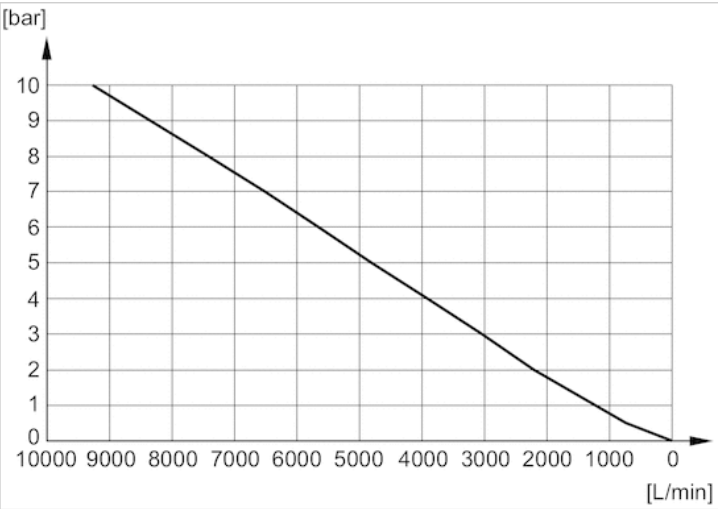
Flow diagram, R412010082



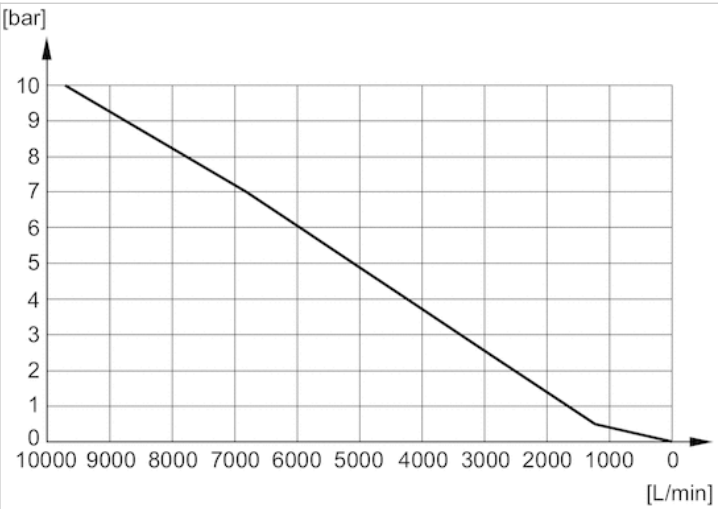
Flow diagram, R412010083



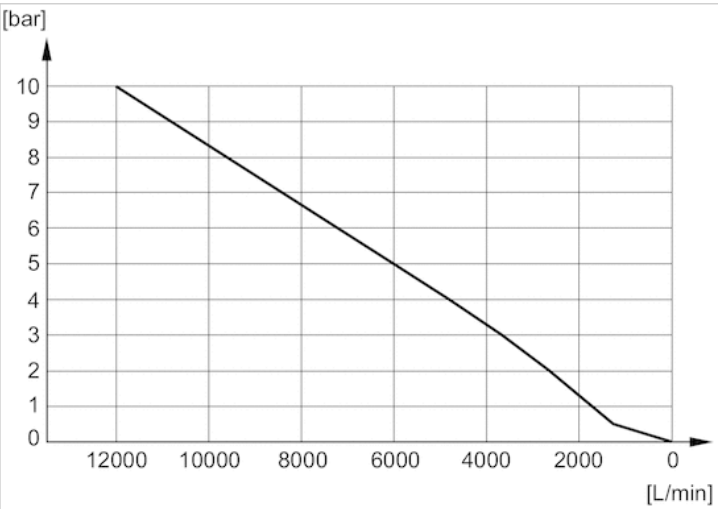
Flow diagram, R412010084



Flow diagram, R412010085



Flow diagram, R412010086



# Silencers, series SI1

- M5 G 1/8 G 1/4
- Stainless steel



Working pressure min./max.

0 ... 12 bar

Ambient temperature min./max.

-20 ... 150 °C

Medium

Compressed air

Sound pressure level

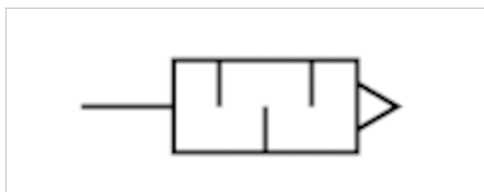
See table below

Weight

See table below

Comment

Flow characteristic curves can be found under "Diagrams".



## Technical data

| Part No.   | Compressed air connection | Sound pressure level | Flow       | Delivery unit | Weight   |    |
|------------|---------------------------|----------------------|------------|---------------|----------|----|
|            |                           |                      | Qn         |               |          |    |
| R412010686 | M5                        | 68 dB                | -          | 10 piece      | 0.006 kg | -  |
| R412010687 | G 1/8                     | 73 dB                | 1218 l/min | 10 piece      | 0.01 kg  | 1) |
| R412007817 | G 1/4                     | 93 dB                | 1937 l/min | 10 piece      | 0.002 kg | 1) |

Weight per piece

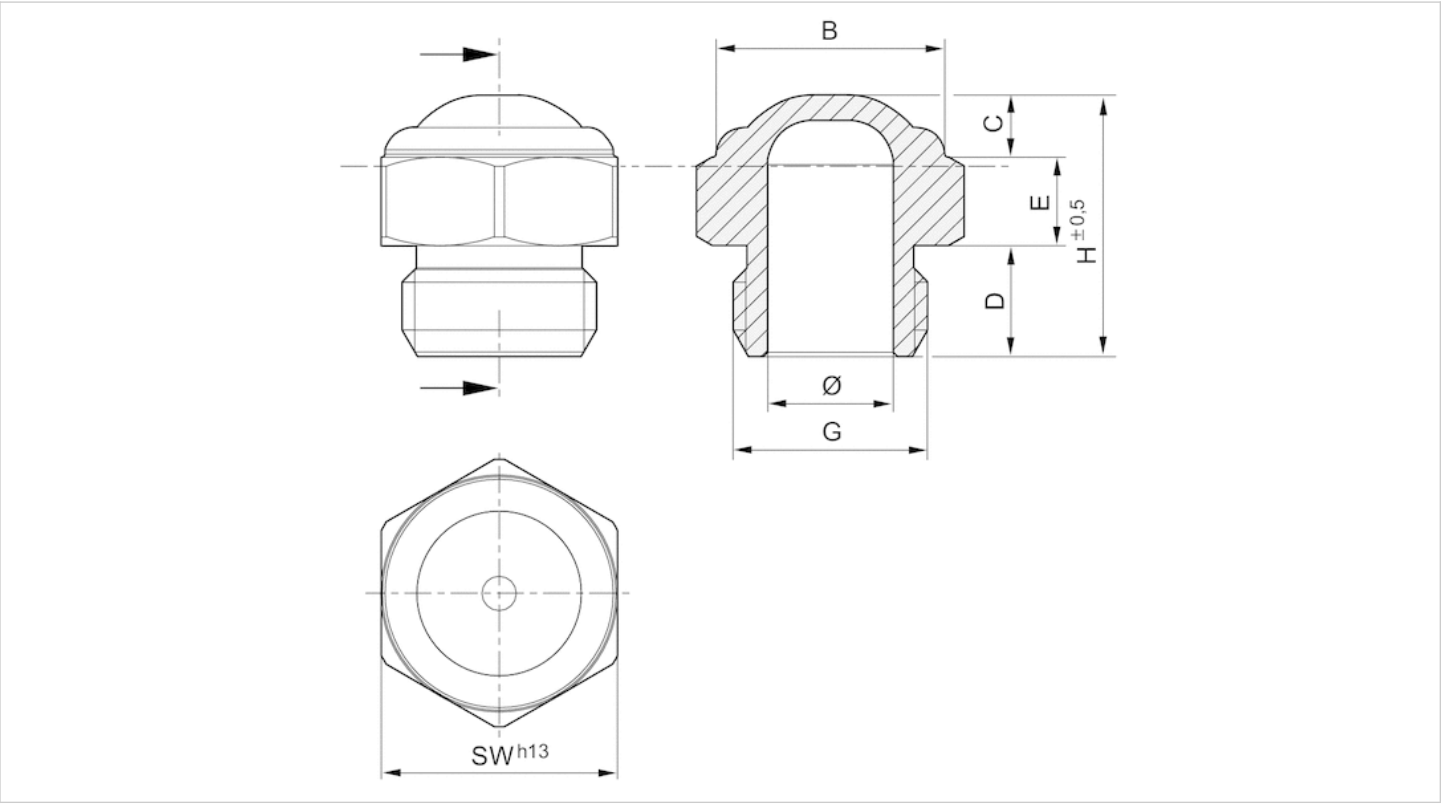
1) Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                 |
|----------|-----------------|
| Silencer | Stainless steel |
| Thread   | Stainless steel |

Dimensions

Dimensions

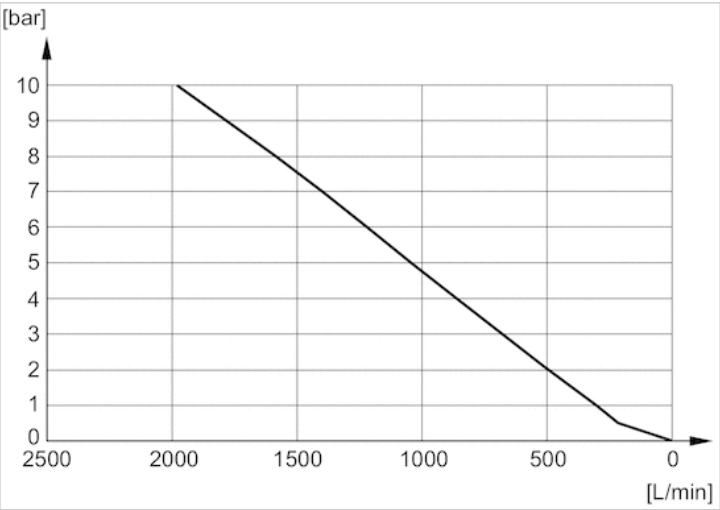


Dimensions

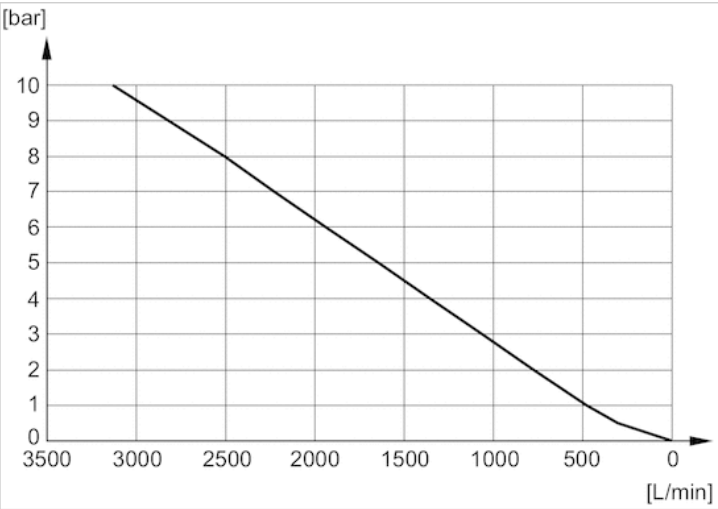
| Part No.   | Port G | Ø   | B   | D | E | H  | SW |
|------------|--------|-----|-----|---|---|----|----|
| R412010686 | M5     | 2.5 | 6.5 | 4 | 3 | 8  | 8  |
| R412010687 | G 1/8  | 6   | 11  | 6 | 4 | 15 | 13 |
| R412007817 | G 1/4  | 8.5 | 12  | 8 | 5 | 18 | 16 |

Diagrams

Flow diagram, R412010687



Flow diagram, R412007817



# Silencers, series SI1

- G 1/8 G 1/4 G 3/8 G 1/2 G 3/4 G 1

- Metal braiding



Working pressure min./max.

0 ... 15 bar

Ambient temperature min./max.

-10 ... 150 °C

Medium

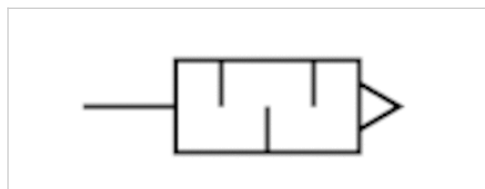
Compressed air

Sound pressure level

See table below

Comment

Flow characteristic curves can be found under "Diagrams".



## Technical data

| Part No.   | Compressed air connection | Sound pressure level | Flow        | Delivery unit |
|------------|---------------------------|----------------------|-------------|---------------|
|            |                           |                      | Qn          |               |
| R412010283 | G 1/8                     | 94 dB                | 1664 l/min  | 10 piece      |
| R412010245 | G 1/4                     | 96 dB                | 2687 l/min  | 10 piece      |
| R412010246 | G 3/8                     | 98 dB                | 4709 l/min  | 5 piece       |
| R412010247 | G 1/2                     | 100 dB               | 6285 l/min  | 5 piece       |
| R412010248 | G 3/4                     | 102 dB               | 6455 l/min  | 2 piece       |
| R412010249 | G 1                       | 104 dB               | 10642 l/min | 2 piece       |

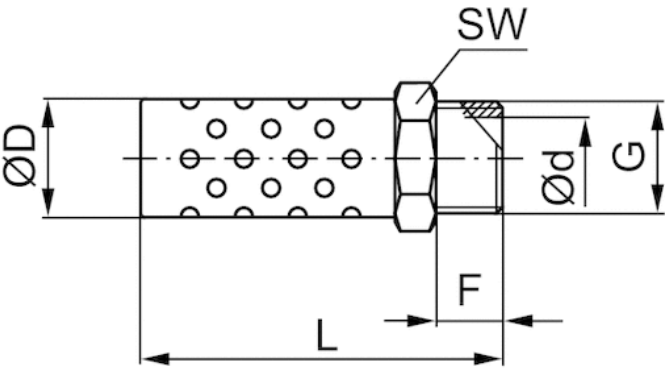
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |                |
|----------|----------------|
| Silencer | Metal braiding |
| Thread   | Aluminum       |

Dimensions

Dimensions



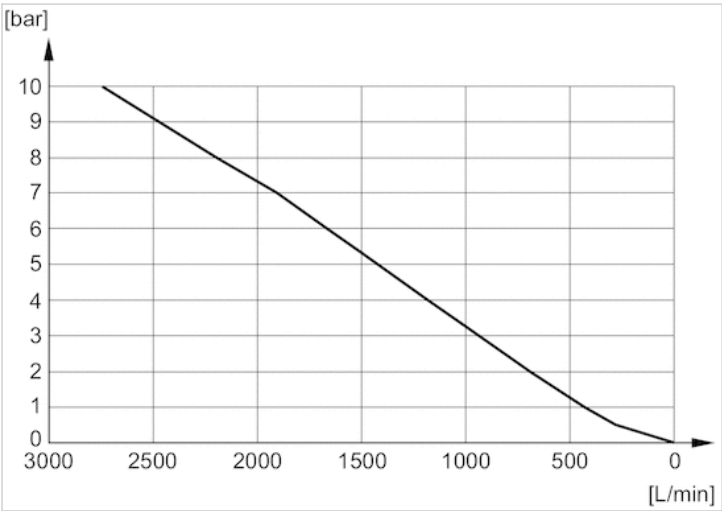
Dimensions

| Part No.   | Port G | L    | F    | D    | d   | SW |
|------------|--------|------|------|------|-----|----|
| R412010283 | G 1/8  | 33.5 | 6    | 10.4 | 6   | 11 |
| R412010245 | G 1/4  | 42.5 | 8.5  | 13.4 | 8.5 | 14 |
| R412010246 | G 3/8  | 49.2 | 9    | 16.5 | 12  | 17 |
| R412010247 | G 1/2  | 65.2 | 11   | 21.5 | 15  | 22 |
| R412010248 | G 3/4  | 74.5 | 12   | 26.5 | 20  | 27 |
| R412010249 | G 1    | 91   | 15.5 | 32.3 | 26  | 34 |

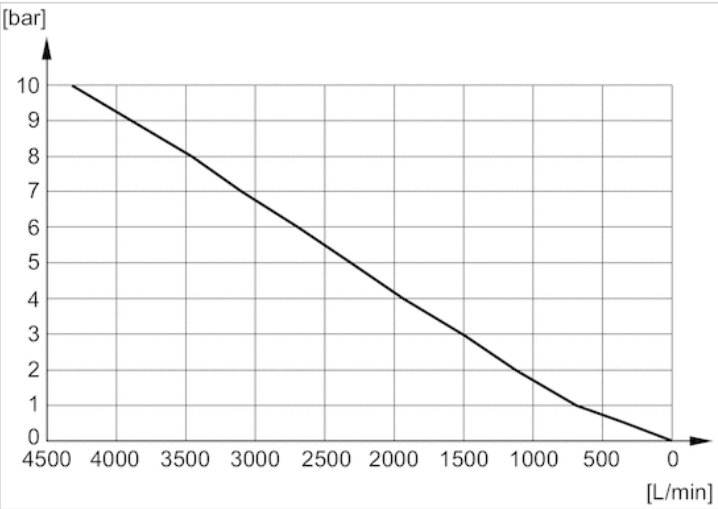
Sound pressure level measured at 6 bar at 1 m distance

Diagrams

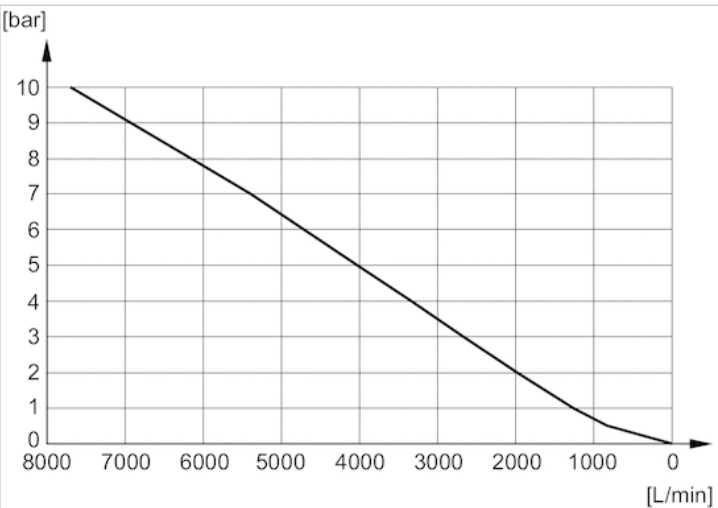
Flow diagram, R412010283



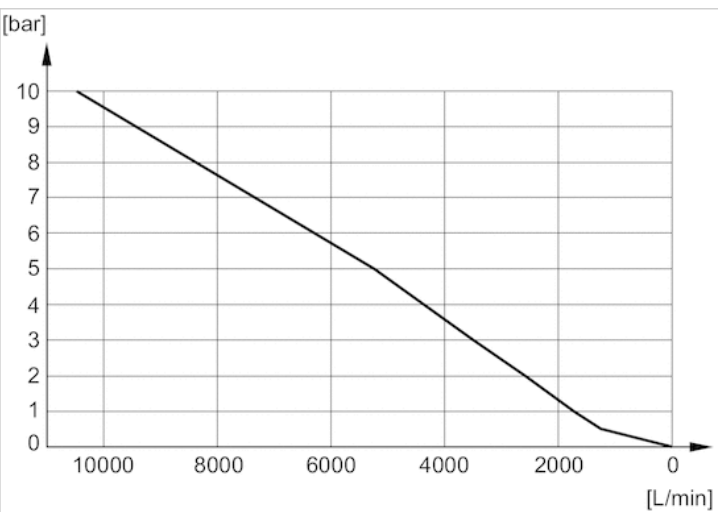
Flow diagram, R412010245



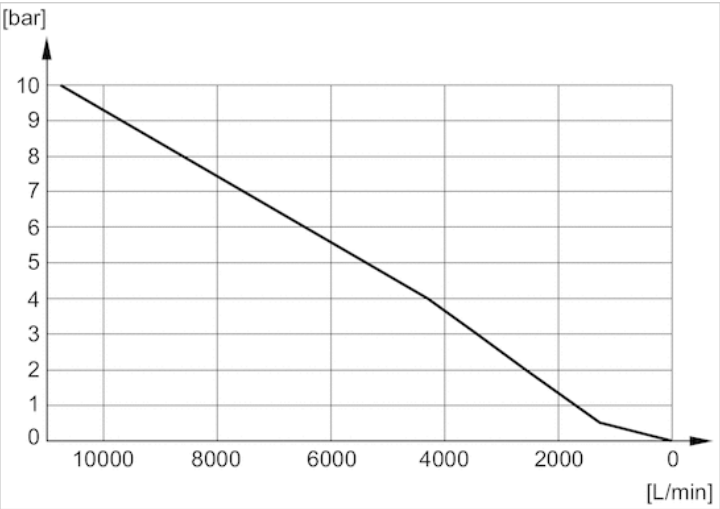
Flow diagram, R412010246



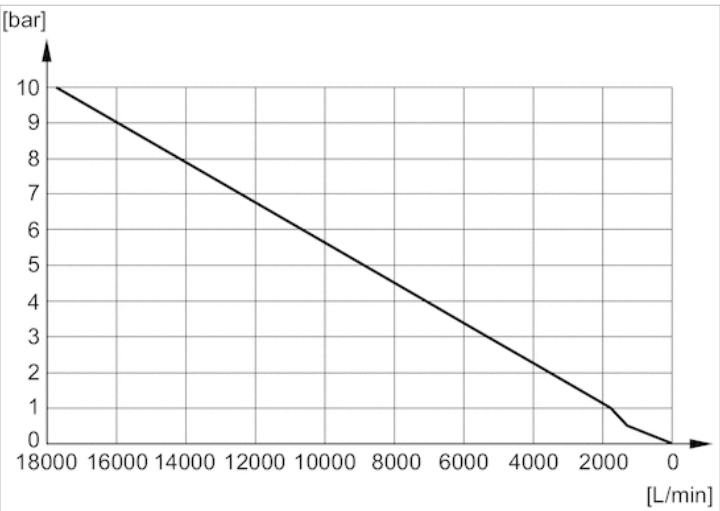
Flow diagram, R412010247



Flow diagram, R412010248



Flow diagram, R412010249



# Silencers, series SI1

- Ø 4 Ø 6 Ø 8 Ø 10 Ø 12

- Polyethylene



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-25 ... 80 °C

Medium

Compressed air

Sound pressure level

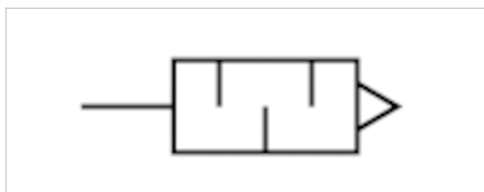
See table below

Weight

See table below

Comment

Flow characteristic curves can be found under "Diagrams".



## Technical data

| Part No.   | Compressed air connection | Sound pressure level | Flow       | Delivery unit | Weight   |    |
|------------|---------------------------|----------------------|------------|---------------|----------|----|
|            |                           |                      | Qn         |               |          |    |
| R412007519 | Ø 4                       | -                    | 321 l/min  | 5 piece       | 0.002 kg | 1) |
| R412007899 | Ø 6                       | 82 dB                | 680 l/min  | 5 piece       | 0.002 kg | 1) |
| R412000591 | Ø 6                       | 80 dB                | 622 l/min  | 5 piece       | 0.002 kg | 1) |
| R412007520 | Ø 8                       | 90 dB                | 1366 l/min | 5 piece       | 0.002 kg | 1) |
| R412000593 | Ø 10                      | 95 dB                | 2854 l/min | 5 piece       | 0.004 kg | 1) |
| R412007715 | Ø 12                      | 97 dB                | 3870 l/min | 5 piece       | 0.007 kg | 2) |

### Weight per piece

1) Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

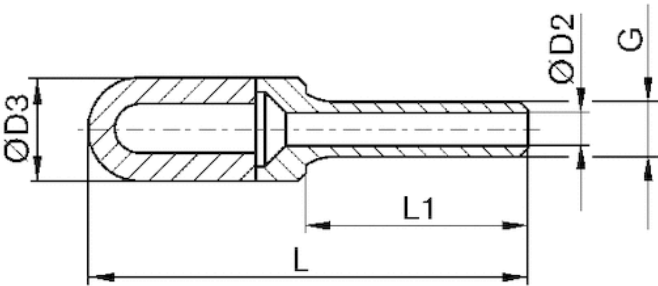
2) Nominal flow Qn at p1 = 5 bar (absolute) freely discharged. Sound pressure level measured at 5 bar against atmosphere at 1 m distance.

## Technical information

| Material |              |
|----------|--------------|
| Silencer | Polyethylene |
| Thread   | Polyethylene |

Dimensions

Dimensions

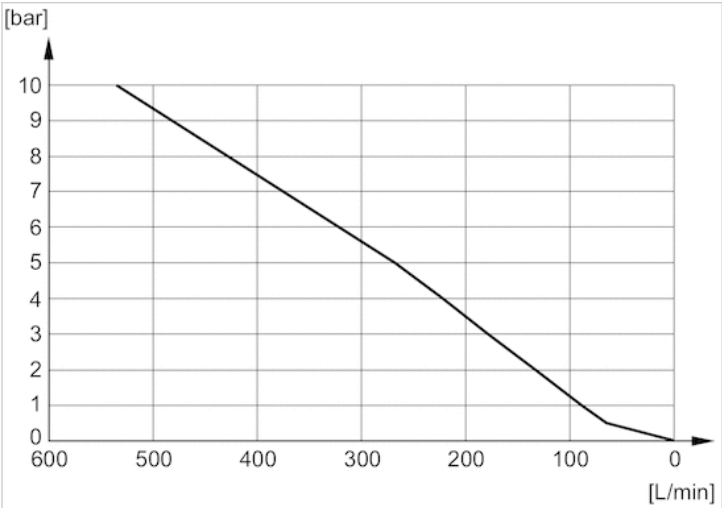


Dimensions

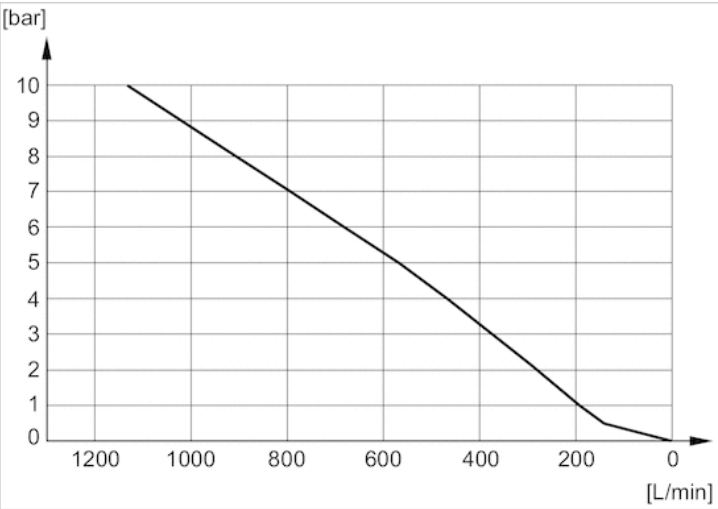
| Part No.   | Port G | Ø D2 | Ø D3 | L1   | L    |
|------------|--------|------|------|------|------|
| R412007519 | Ø 4    | 2.5  | 7    | 16   | 32   |
| R412007899 | Ø 6    | 3.5  | 10   | 20.5 | 45   |
| R412000591 | Ø 6    | 3.5  | 12.5 | 20.5 | 45   |
| R412007520 | Ø 8    | 4.8  | 13.5 | 21.5 | 43.5 |
| R412000593 | Ø 10   | 6.9  | 15.5 | 26.5 | 57.5 |
| R412007715 | Ø 12   | 8.4  | 18.5 | 29   | 82   |

Diagrams

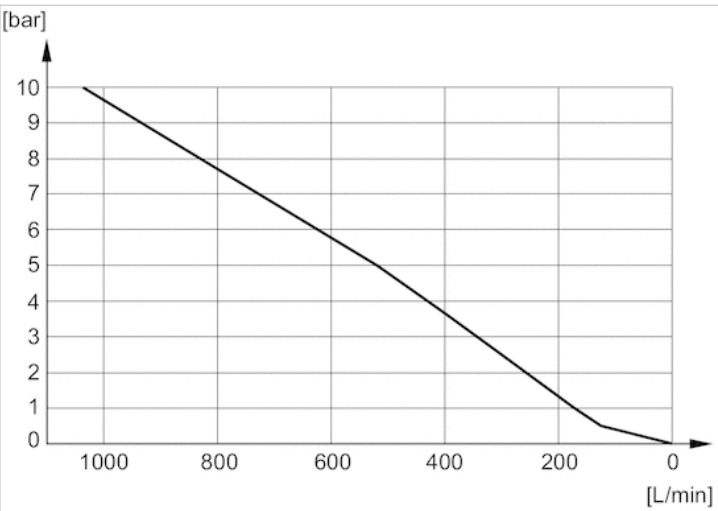
Flow diagram, R412007519



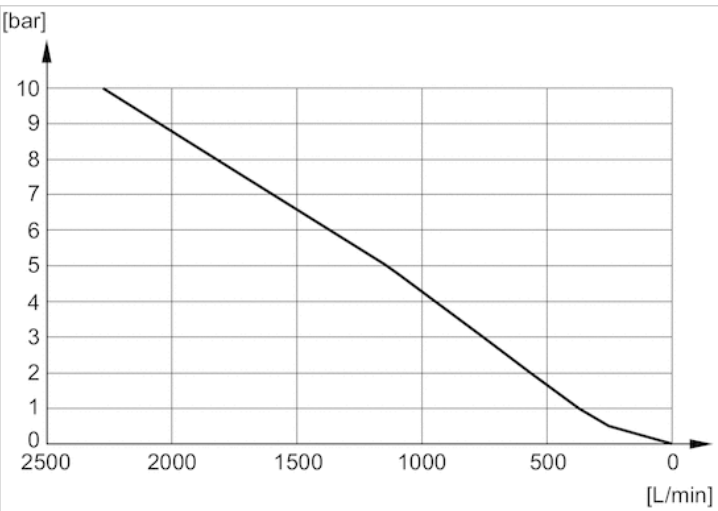
Flow diagram, R412007899



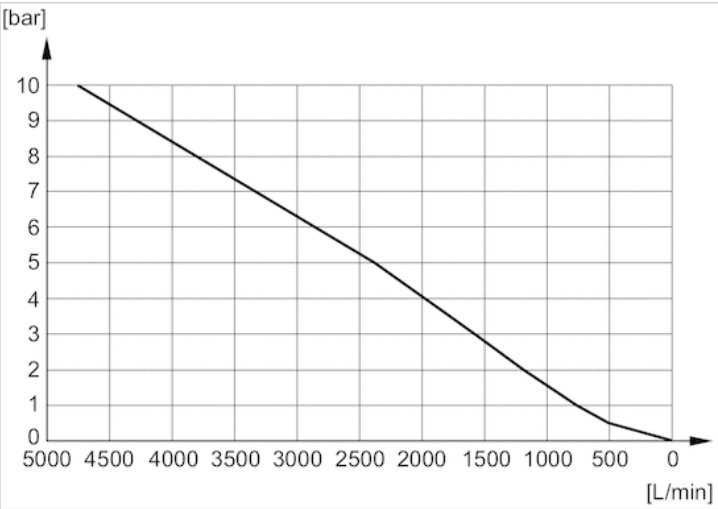
Flow diagram, R412000591



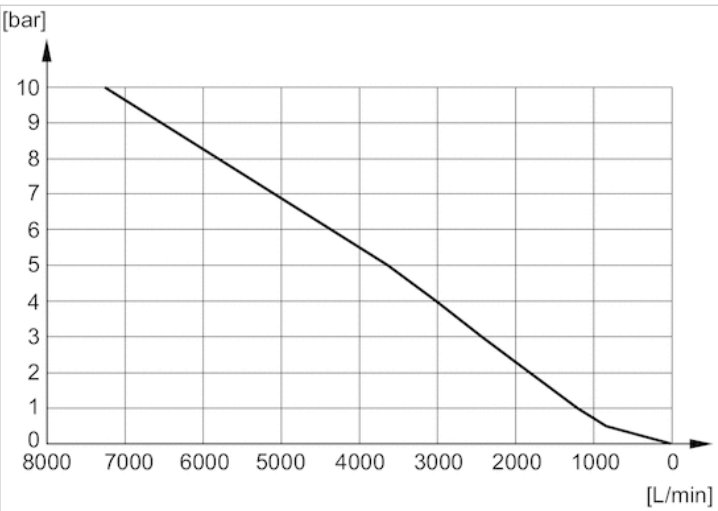
Flow diagram, R412007520



Flow diagram, R412000593

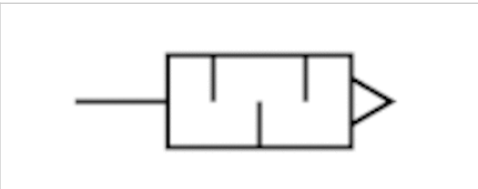


Flow diagram, R412007715



# Silencers, Series SI1 - inch

- Ø 1/4" 3/8" Ø 1/2"
- Polyethylene



|                               |                 |
|-------------------------------|-----------------|
| Working pressure min./max.    | 0 ... 10 bar    |
| Ambient temperature min./max. | -25 ... 80 °C   |
| Medium                        | Compressed air  |
| Weight                        | See table below |

## Technical data

| Part No.   | Compressed air connection | Flow     | Delivery unit | Weight   |
|------------|---------------------------|----------|---------------|----------|
|            |                           | Qn       |               |          |
| R412005727 | Ø 1/4"                    | 60 l/min | 5 piece       | 0.002 kg |
| R412005728 | 3/8"                      | 30 l/min | 5 piece       | 0.007 kg |
| R412007714 | Ø 1/2"                    | 30 l/min | 5 piece       | 0.007 kg |

Weight per piece

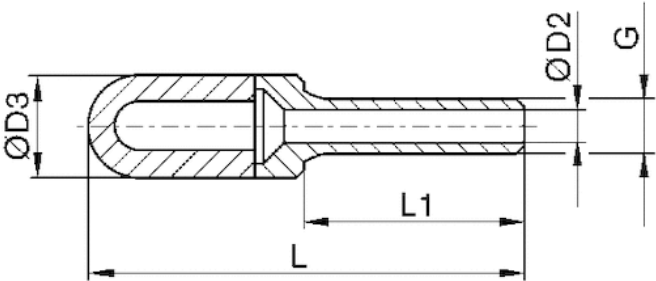
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

| Material |              |
|----------|--------------|
| Silencer | Polyethylene |
| Thread   | Polyethylene |

Dimensions

Dimensions in inches



Dimensions

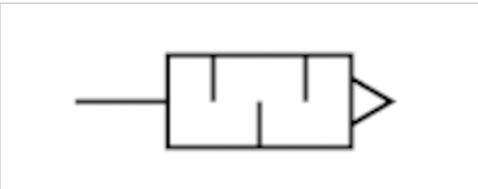
| Part No.   | Port G | Ø D2 | Ø D3 | L1   | L    |
|------------|--------|------|------|------|------|
| R412005727 | Ø 1/4" | 0.14 | 0.49 | 0.81 | 1.77 |
| R412005728 | 3/8"   | 0.26 | 0.61 | 1.04 | 2.26 |
| R412007714 | Ø 1/2" | 0.36 | 0.73 | 1.14 | 3.23 |

# Silencers, series SI1

- M5 G 1/8 G 1/4 G 3/8 G 1/2 G 3/4 G 1
- Polyethylene



|                               |                 |
|-------------------------------|-----------------|
| Working pressure min./max.    | 0 ... 10 bar    |
| Ambient temperature min./max. | -25 ... 80 °C   |
| Medium                        | Compressed air  |
| Sound pressure level          | See table below |
| Weight                        | See table below |



## Technical data

| Part No.   | Compressed air connection | Sound pressure level | Flow        | Delivery unit | Weight   |
|------------|---------------------------|----------------------|-------------|---------------|----------|
|            |                           |                      | Qn          |               |          |
| 1827000018 | M5                        | -                    | 381 l/min   | 5 piece       | 0.001 kg |
| 1827000019 | G 1/8                     | 78 dB                | 1560 l/min  | 5 piece       | 0.002 kg |
| 1827000020 | G 1/4                     | 80 dB                | 3447 l/min  | 5 piece       | 0.003 kg |
| 1827000021 | G 3/8                     | 85 dB                | 5682 l/min  | 2 piece       | 0.008 kg |
| 1827000022 | G 1/2                     | 88 dB                | 7142 l/min  | 1 piece       | 0.013 kg |
| 1827000023 | G 3/4                     | -                    | 8356 l/min  | 1 piece       | 0.04 kg  |
| 1827000024 | G 1                       | -                    | 13329 l/min | 1 piece       | 0.055 kg |

Weight per piece

Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

## Technical information

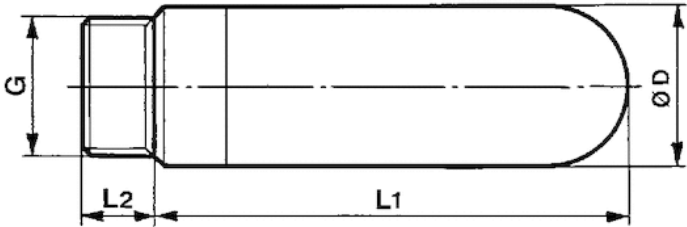
Flow characteristic curves can be found under “Diagrams”.

## Technical information

| Material |              |
|----------|--------------|
| Silencer | Polyethylene |
| Thread   | Polyethylene |

Dimensions

Dimensions

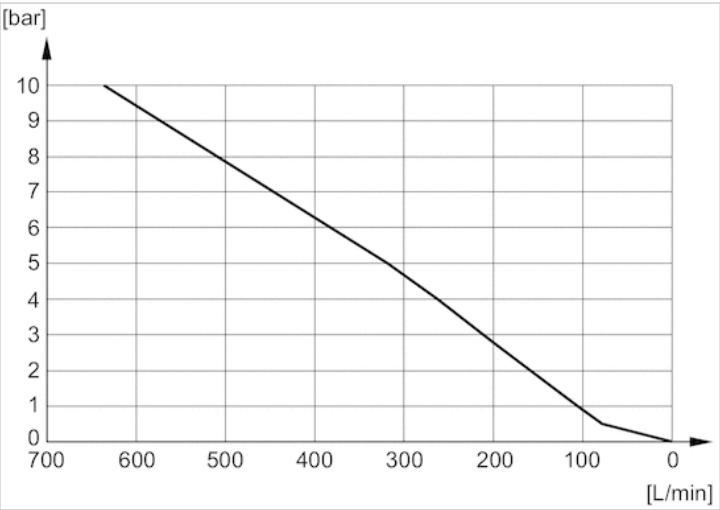


Dimensions

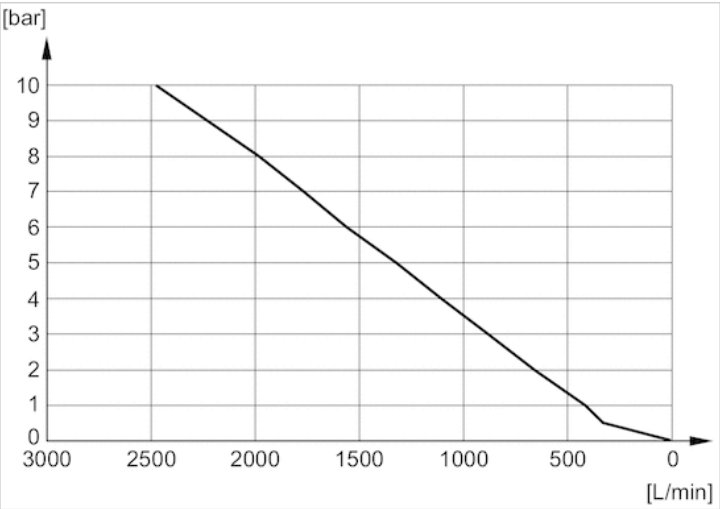
| Part No.   | Port G | Ø D  | L1    | L2   |
|------------|--------|------|-------|------|
| 1827000018 | M5     | 6.5  | 17.5  | 4    |
| 1827000019 | G 1/8  | 12.5 | 28.5  | 5.5  |
| 1827000020 | G 1/4  | 15.5 | 34.5  | 8    |
| 1827000021 | G 3/8  | 18.5 | 56    | 11.5 |
| 1827000022 | G 1/2  | 23.3 | 66.5  | 11   |
| 1827000023 | G 3/4  | 38.5 | 115.5 | 16   |
| 1827000024 | G 1    | 49   | 140   | 21   |

Diagrams

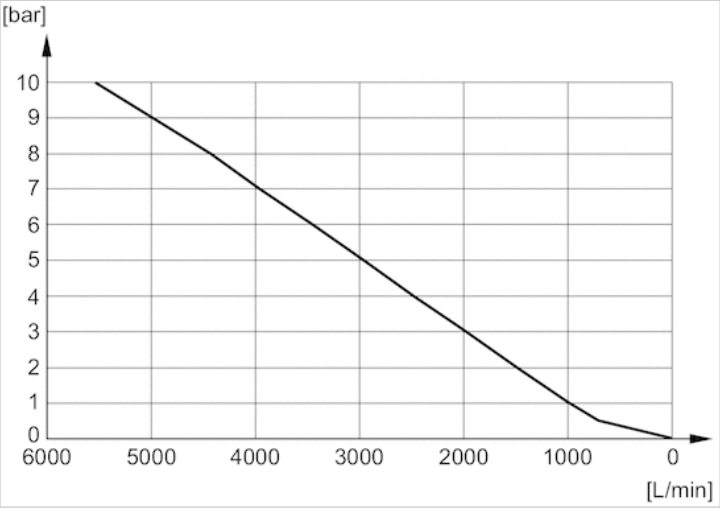
Flow diagram, 1827000018



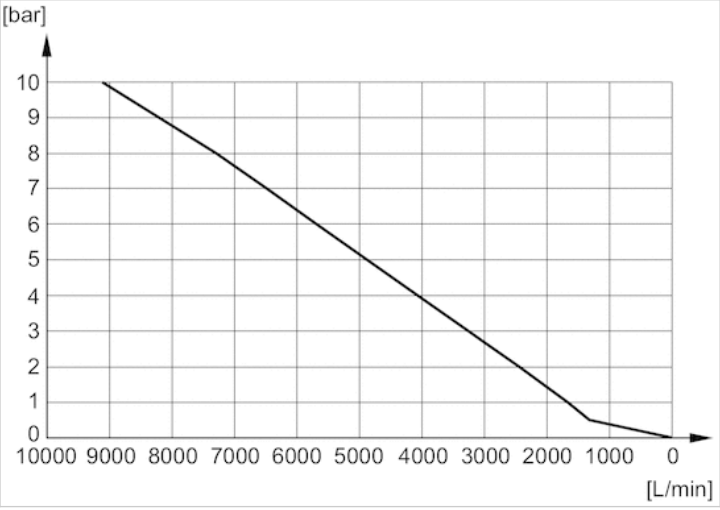
Flow diagram, 1827000019



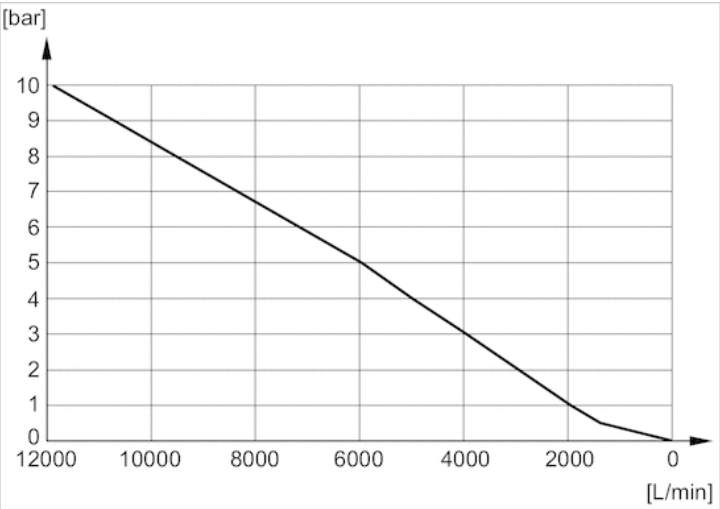
Flow diagram, 1827000020



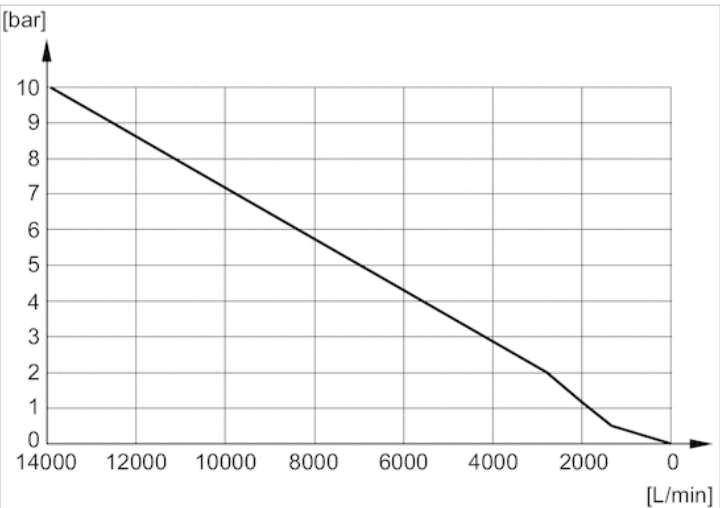
Flow diagram, 1827000021



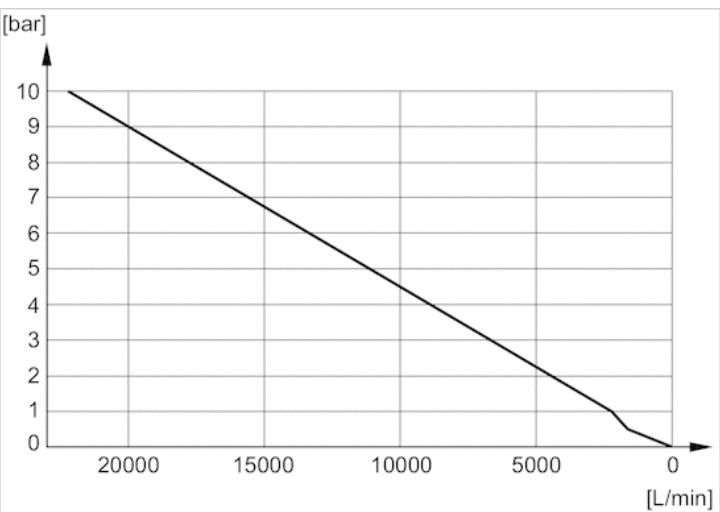
Flow diagram, 1827000022



Flow diagram, 1827000023



Flow diagram, 1827000024



# Silencers, series SI1

- Ø 4 Ø 6 Ø 8 Ø 10 Ø 12 Ø 14

- Sintered bronze



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

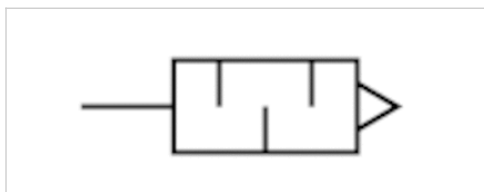
-10 ... 80 °C

Medium

Compressed air

Weight

See table below



## Technical data

| Part No.   | Compressed air connection | Delivery unit | Weight   |
|------------|---------------------------|---------------|----------|
| 1827000039 | Ø 4                       | 2 piece       | 0.002 kg |
| 1827000041 | Ø 6                       | 2 piece       | 0.003 kg |
| 1827000042 | Ø 8                       | 2 piece       | 0.004 kg |
| 1827000043 | Ø 10                      | 2 piece       | 0.009 kg |
| 1827000044 | Ø 12                      | 2 piece       | 0.011 kg |
| 1827000045 | Ø 14                      | 2 piece       | 0.021 kg |

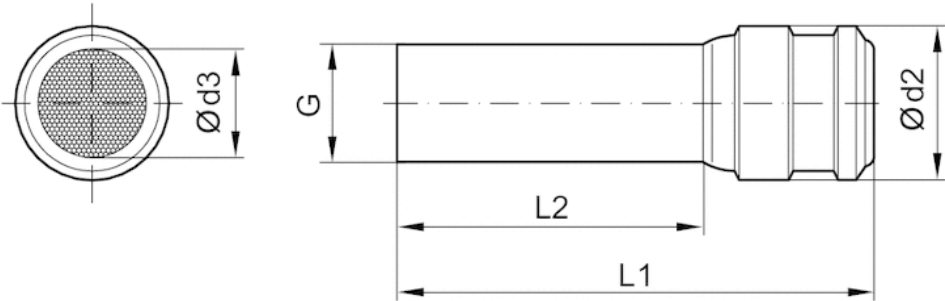
Weight per piece

## Technical information

| Material        |                 |
|-----------------|-----------------|
| Silencer        | Sintered bronze |
| push-in fitting | Polyamide       |

Dimensions

Dimensions



Dimensions

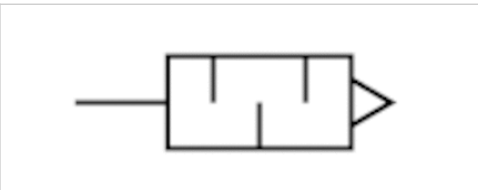
| Part No.   | Port G | Ø d2 | Ø d3 | L1   | L2   |
|------------|--------|------|------|------|------|
| 1827000039 | Ø 4    | 7    | 3.6  | 34.5 | 24   |
| 1827000041 | Ø 6    | 8    | 4.3  | 41   | 31   |
| 1827000042 | Ø 8    | 10   | 6.2  | 41.5 | 30.5 |
| 1827000043 | Ø 10   | 12   | 7.7  | 49.5 | 37   |
| 1827000044 | Ø 12   | 14   | 11   | 54   | 38   |
| 1827000045 | Ø 14   | 16   | 14   | 48   | 30   |

# Silencers, series SI1

- Sintered bronze



|                               |                |
|-------------------------------|----------------|
| Working pressure min./max.    | 0 ... 10 bar   |
| Ambient temperature min./max. | -25 ... 80 °C  |
| Medium                        | Compressed air |
| Weight                        | 0.008 kg       |



## Technical data

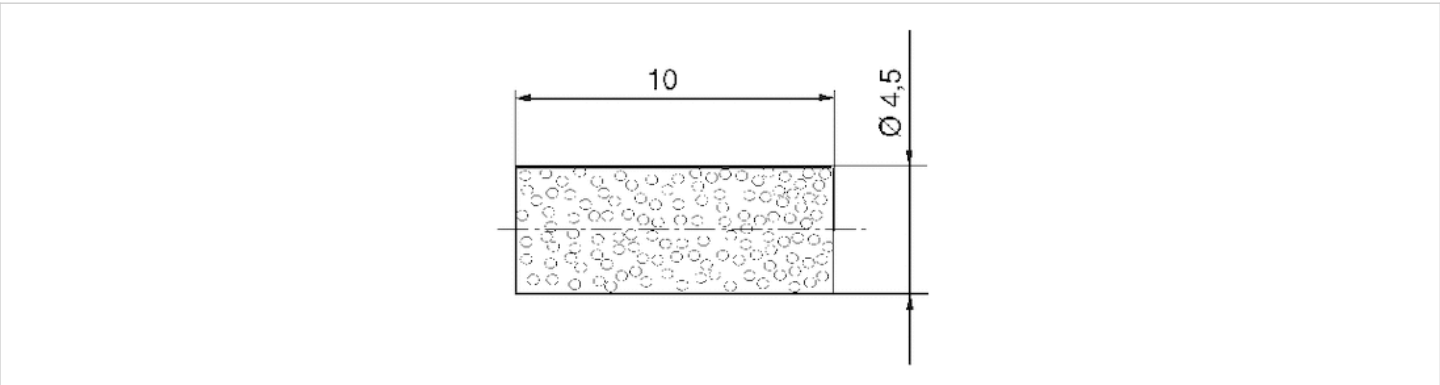
| Part No.   |
|------------|
| 8993800114 |

## Technical information

| Material                |
|-------------------------|
| SilencerSintered bronze |

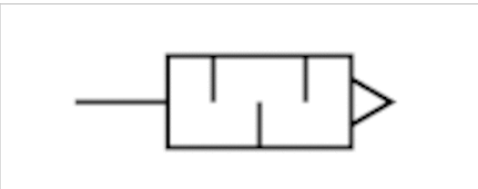
## Dimensions

### Dimensions



# Silencers, series SI1

- G 3/4
- Polyethylene



|                               |                |
|-------------------------------|----------------|
| Working pressure min./max.    | 0 ... 10 bar   |
| Ambient temperature min./max. | -25 ... 80 °C  |
| Medium                        | Compressed air |
| Weight                        | 0.383 kg       |

## Technical data

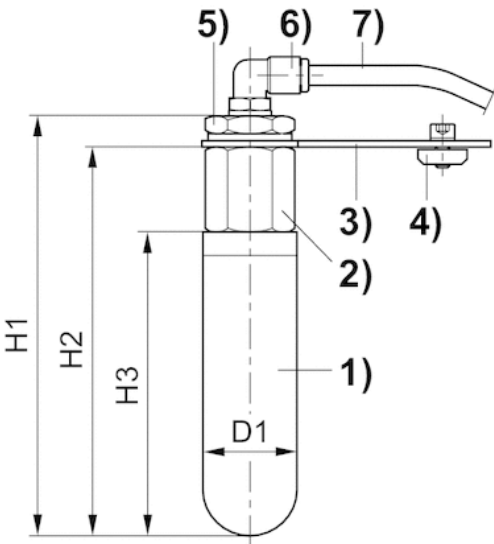
| Part No.   | Compressed air connection | Delivery unit |
|------------|---------------------------|---------------|
| 1827010513 | G 3/4                     | 1 piece       |

## Technical information

| Material |              |
|----------|--------------|
| Silencer | Polyethylene |
| Thread   | Polyethylene |

Dimensions

Dimensions



- 1) Silencer (porously sintered polyethylene)
- 2) Connector sleeve G 3/4
- 3) Holding plate (120x40x2.5)
- 4) 2 x M6x12 including groove lugs
- 5) Reducing supports G 3/4 - G 1/4
- 6) Angle threaded connector Ø 8 mm
- 7) PU tube Ø 8 mm, 250 mm long

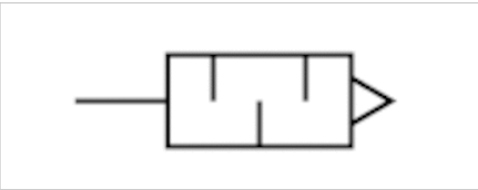
Dimensions

| Part No.   | Port  | H1  | H2  | H3  | D1   |
|------------|-------|-----|-----|-----|------|
| 1827010513 | G 3/4 | 174 | 161 | 126 | 38.5 |

silencers, series SI1



|                               |                 |
|-------------------------------|-----------------|
| Working pressure min./max.    | 0 ... 10 bar    |
| Ambient temperature min./max. | -25 ... 60 °C   |
| Medium                        | Compressed air  |
| Sound pressure level          | 78 dB           |
| Weight                        | See table below |



Technical data

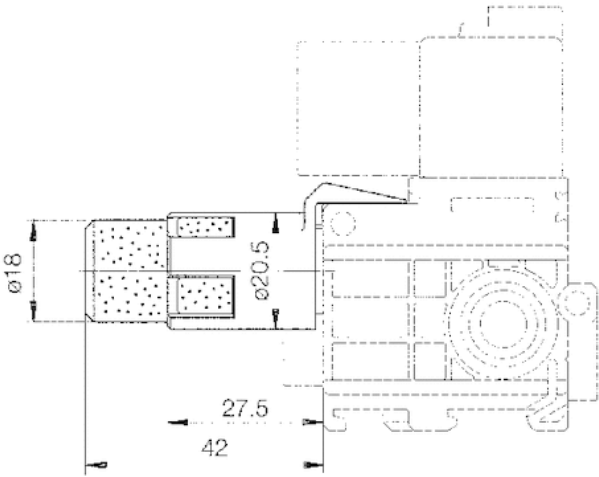
| Part No.   | Flow       | Delivery unit | Weight   |
|------------|------------|---------------|----------|
|            | Qn         |               |          |
| 5790005312 | 1300 l/min | 1 piece       | 0.008 kg |
| 5790005332 | 1300 l/min | 10 piece      | 0.08 kg  |
| 5790005352 | 1300 l/min | 100 piece     | 0.8 kg   |

Technical information

| Material |               |
|----------|---------------|
| Thread   | Polypropylene |

Dimensions

Dimensions



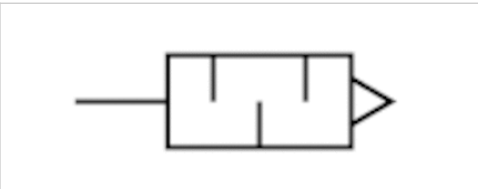
# Silencers, Series EBS

- M5 G 1/8 G 3/8
- Polyethylene



Working pressure min./max.  
Ambient temperature min./max.  
Medium  
Weight

0 ... 6 bar  
0 ... 50 °C  
Compressed air  
See table below



## Technical data

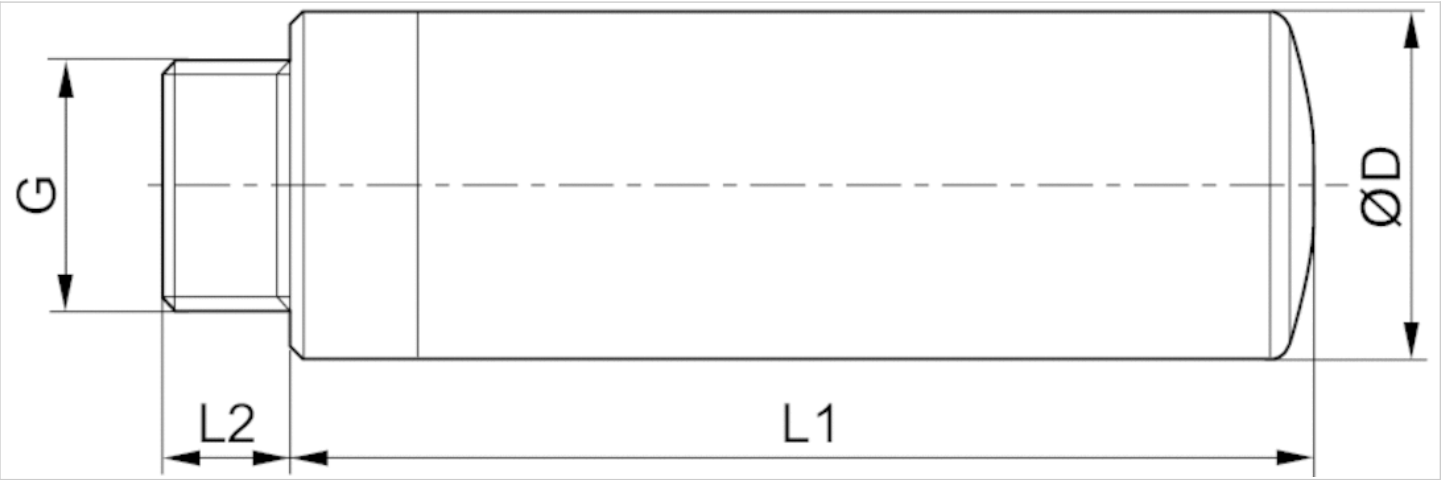
| Part No.   | Compressed air connection | Delivery unit | Weight   |
|------------|---------------------------|---------------|----------|
| R412007592 | M5                        | 5 piece       | 0.001 kg |
| R412007593 | G 1/8                     | 5 piece       | 0.005 kg |
| R412007594 | G 3/8                     | 5 piece       | 0.014 kg |

## Technical information

| Material |              |
|----------|--------------|
| Silencer | Polyethylene |
| Thread   | Polyethylene |

Dimensions

Dimensions



Dimensions

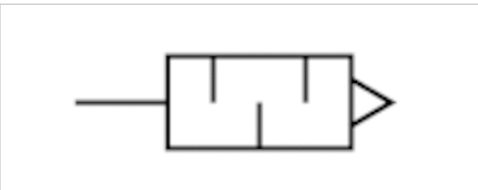
| Part No.   | Port G | L1 | L2 | Ø D  |
|------------|--------|----|----|------|
| R412007592 | M5     | 24 | 4  | 9    |
| R412007593 | G 1/8  | 40 | 5  | 13,6 |
| R412007594 | G 3/8  | 76 | 9  | 20   |

# Exhaust cap, Series SI1

- R 1/8 R 1/4 R 3/8



|                               |                 |
|-------------------------------|-----------------|
| Working pressure min./max.    | 0 ... 10 bar    |
| Ambient temperature min./max. | -5 ... 50 °C    |
| Medium                        | Compressed air  |
| Weight                        | See table below |



## Technical data

| Part No.   | Compressed air connection | Delivery unit | Weight   | Fig.   |
|------------|---------------------------|---------------|----------|--------|
| 8994701700 | R 1/8                     | 10 piece      | 0.004 kg | Fig. 1 |
| 8994701900 | R 1/4                     | 10 piece      | 0.007 kg | Fig. 1 |
| 8994701200 | R 3/8                     | 5 piece       | 0.067 kg | Fig. 2 |

## Technical information

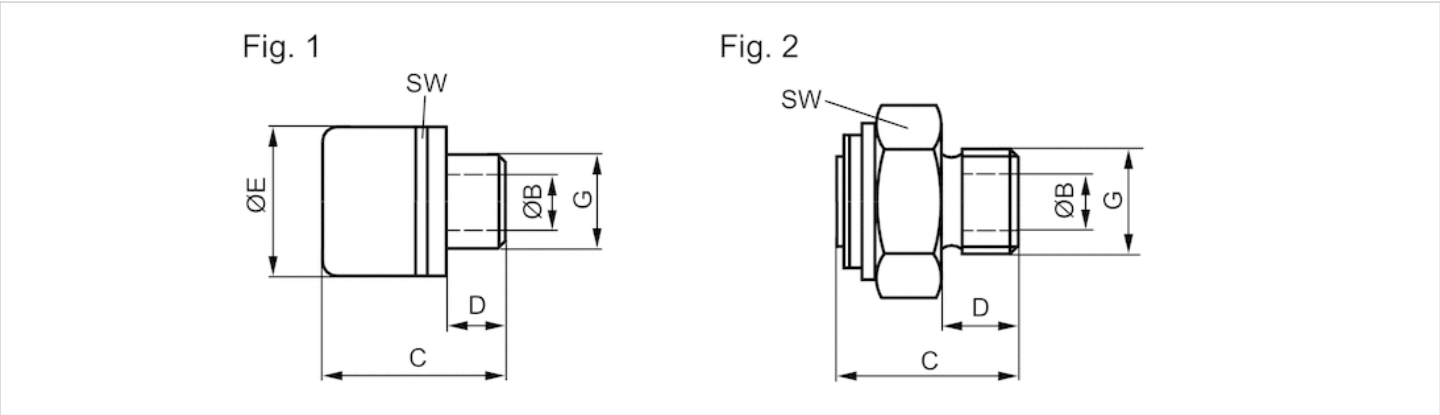
An example configuration is illustrated. The delivered product may thus deviate from the illustration.

## Technical information

| Material |                 |
|----------|-----------------|
| Thread   | Polyamide Steel |

Dimensions

Dimensions



Dimensions

| Part No.   | Port G | B | C    | D   | E  | SW | Fig. |
|------------|--------|---|------|-----|----|----|------|
| 8994701700 | R 1/8  | 5 | 19   | 6.5 | 15 | 14 | 1    |
| 8994701900 | R 1/4  | 8 | 20.5 | 8   | 20 | 19 | 1    |
| 8994701200 | R 3/8  | 9 | 30   | 12  | —  | 27 | 2    |

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