



Silencers

Standard and to customer specification



Noise endangers health. In the area of occupational safety, noise reduction is therefore an important task. With our VYON® and GURON® materials, we make a significant contribution here, because of their porous structure they enable sound attenuation of up to 30 dBA.

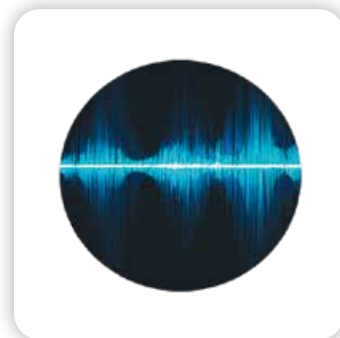
KÖPP has a wide range of standard silencers, which have proven their worth for decades. They are successfully used in many automation systems.

If our standard portfolio does not offer what you are looking for then we will be happy to develop your individual solution exactly according to your wishes. We also take special requests into account like antistatic properties for example, and develop your special silencers accordingly. Do you process food? We can also supply

you with silencers made from FDA-approved raw materials made to your specifications. Another advantage: At the customer's request we can also produce silencers in small quantities.

Application examples:

- ▶ **Standard silencers** for pneumatic systems with BSP thread or tube connection
- ▶ **Silencing of diaphragm pumps**
- ▶ **Noise reduction in electrical appliances**
- ▶ **Silencing for electric motors** (e.g. lawn mowers, chain saws, electric tools)



Noise level before (left) and after silencing with KÖPP silencer
Right picture: Push-in silencer



Specifications and additional Information

Materials

Sintered body: Vyon® – sintered porous HDPE

Adapter: Injection moulded HDPE solid material, RoHS and REACH compliant

Installation

M5/BSP thread or
Push-in connection

Maximum working pressure

10 bar (150 psi)

Noise reduction

Up to 30dBA

Operating temperature

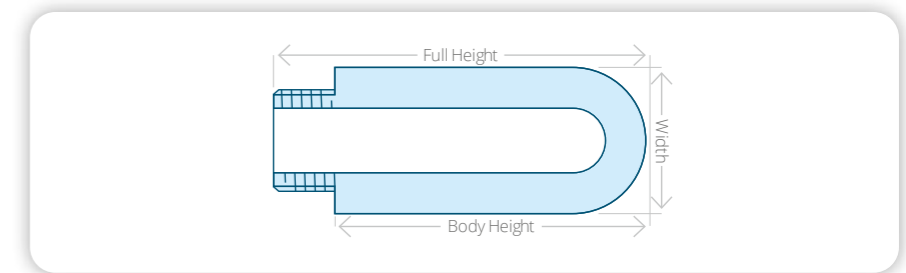
From -70°C to +80°C

Advantages and benefits

- ▶ **Significant noise reduction**
Up to 30 dBA (roughly equivalent to the difference between an underground train and a normal conversation)
- ▶ **Easy installation**
Our silencers are available with M5, BSP & Push-in connections. They fit directly and must always match the size of the exhaust port.
- ▶ **Minimal flow loss**
Effectively zero in a vast number of applications.
- ▶ **Minimal maintenance costs**
Elements can be cleaned and reused, reducing replacement and maintenance costs.
- ▶ **Maintenance free**
Unaffected by water or oil. Silencers should not be allowed to become blocked or blinded with debris.

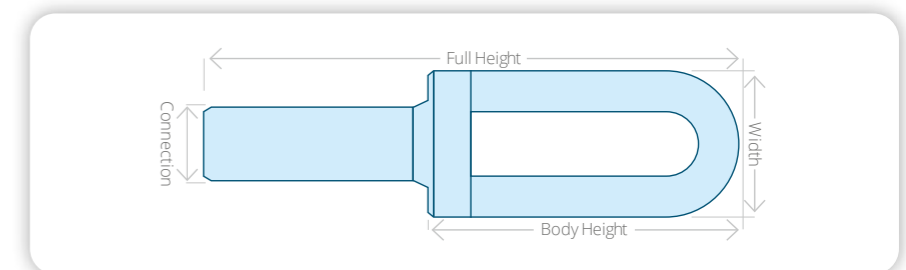
Dimensions – Threaded

| Part Number | Connection | Body Colour | Width (mm) | Body Height (mm) | Full Height (mm) |
|-------------|------------|-------------|------------|------------------|------------------|
| 114716 | M5 | White | 6.50 | 17.50 | 21.50 |
| 49115 | BSP 1/8" | Grey | 12.85 | 27.80 | 34.50 |
| 49116 | BSP 1/4" | Grey | 16.60 | 35.70 | 42.60 |
| 49117 | BSP 3/8" | Grey | 24.40 | 57.40 | 67.50 |
| 49118 | BSP 1/2" | Grey | 24.80 | 68.00 | 78.50 |
| 49119 | BSP 3/4" | Grey | 37.60 | 124.80 | 139.80 |
| 49120 | BSP 1" | Grey | 47.80 | 135.50 | 154.00 |



Dimensions – Push-in

| Part Number | Connection (mm) | Body Colour | Width (mm) | Body Height (mm) | Full Height (mm) |
|-------------|-----------------|-------------|------------|------------------|------------------|
| 60525-1 | 4.00 | White | 7.00 | 16.00 | 32.00 |
| 60526-1 | 6.00 | Grey | 12.50 | 24.50 | 45.00 |
| 60527-1 | 8.00 | Grey | 13.50 | 22.00 | 43.50 |
| 60528-1 | 10.00 | Grey | 15.50 | 31.00 | 57.50 |
| 60529-1 | 12.00 | Grey | 18.50 | 53.00 | 82.00 |



Do you have any questions?

We look forward to receiving your e-mail at filter@koepp.de

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