

## NKU Round Bend Silencer

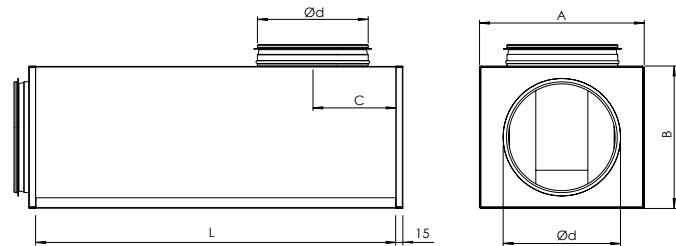
NKU – rectangular bend silencer with round duct connections and without perforated sheet inside. Suitable for general ventilation system silencer and where a vertical right-angled change of direction is required, especially in situations where the silencer dimensions should be smaller and the absorption values should be good.



- Connection from the top.
- Silencer's dimensions are minimized while maintaining excellent noise reduction characteristics.
- The compactness of the silencer makes it suitable for installation above suspended ceilings or in places where installation space is limited.
- Insulation material is resistant to cleaning (nylon brush).
- Insulation material coating does not absorb moisture.
- Tightness class C.

### Design and Dimensions

NKU-silencer's outer shell is made of galvanized sheet steel. Connections are with rubber gaskets. Sound absorption duct element with good attenuation characteristics is made from synthetic material. Used synthetic insulation is classified as M1. Standard lengths 600 and 1000 mm.



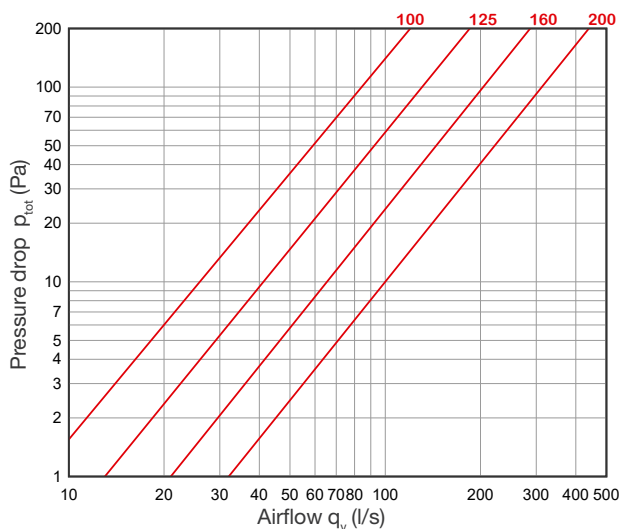
### Sound Attenuation

Sound attenuation is specified to ISO 7235, i.e. static integral attenuation for duct products.

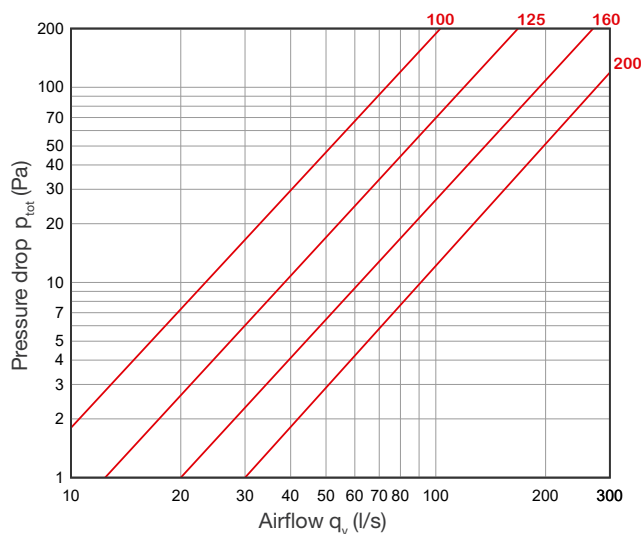
| Nominal size Ø d (mm) | L (mm) | A (mm) | B (mm) | C (mm) | Sound attenuation (dB)             |     |     |     |      |      |      |      | Weight (kg) |
|-----------------------|--------|--------|--------|--------|------------------------------------|-----|-----|-----|------|------|------|------|-------------|
|                       |        |        |        |        | Mean frequency of octave band (Hz) |     |     |     |      |      |      |      |             |
|                       |        |        |        |        | 63                                 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |             |
| 100                   | 600    | 210    | 155    | 100    | 9                                  | 15  | 18  | 17  | 35   | 38   | 40   | 36   | 4,8         |
| 100                   | 1000   | 210    | 155    | 100    | 1                                  | 23  | 24  | 23  | 43   | 50   | 43   | 43   | 7,1         |
| 125                   | 600    | 225    | 180    | 112    | 2                                  | 18  | 15  | 18  | 32   | 36   | 34   | 30   | 5,5         |
| 125                   | 1000   | 225    | 180    | 112    | 4                                  | 24  | 20  | 23  | 41   | 47   | 48   | 44   | 8,0         |
| 160                   | 600    | 280    | 215    | 130    | 1                                  | 15  | 15  | 20  | 32   | 33   | 29   | 27   | 7,0         |
| 160                   | 1000   | 280    | 215    | 130    | 8                                  | 20  | 20  | 27  | 41   | 45   | 46   | 41   | 10,2        |
| 200                   | 600    | 295    | 255    | 150    | 4                                  | 10  | 12  | 24  | 30   | 26   | 25   | 22   | 7,9         |
| 200                   | 1000   | 295    | 255    | 150    | 12                                 | 12  | 18  | 30  | 39   | 42   | 40   | 34   | 11,6        |

Pressure drop

NKU L=600



NKU L=1000



Product Marking

NKU - H d - L

Marking

Material

- Galvanized steel (Z275), standard material
- ZM - zinc-magnesium coated steel (ZM310)
- H - acidproof stainless steel (AISI 316L)

Diameter d

Length

Example: NKU 160-600

NKU-H 160-600