



## GGLX-R

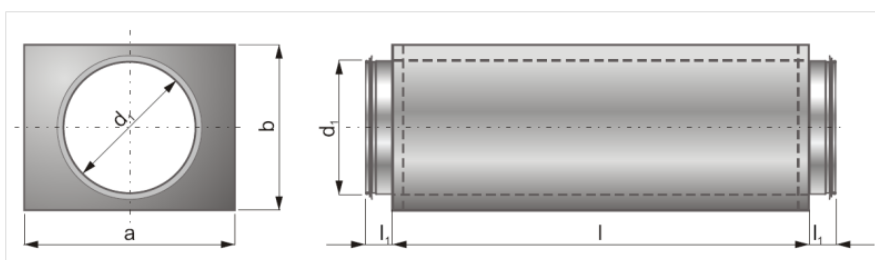
### RECTANGULAR SOLID SOUND ATTENUATORS

#### GGLX-R: RECTANGULAR SILENCER WITH CIRCULAR CONNECTION

Usage: Rectangular silencers are designed to absorb the noise in an air conditioning or ventilation ductwork system. The silencers can be used and are suitable for usage in low- and mid pressure air-conditioning or ventilation systems. Silencers GGLX-R are created for an installation in places with lowered height.

#### CONSTRUCTION

- With double edged gasket
- the outercover: galvanized sheet
- Inner cover: perforated sheet
- isolating layer: mineral wool



#### SPECIFICATIONS

|                         |                        |                          |              |
|-------------------------|------------------------|--------------------------|--------------|
| Article code:           | GGLX-R{Ø}/L            |                          |              |
| Temperature range:      | -30 °C to 100 °C       | Standard diameter range: | 100 – 400 mm |
| Operating pressure:     | -1500Pa up to +2000 Pa | Standard length:         | 0,5+1,0 mtr  |
| Operating air velocity: | max. 20 m/s            |                          |              |

#### PRESSURELOSS/DIMENSIONS

| Type          | Dimensions |      |      |      | Pressureloss DPt (Pa) |       |       |       |        |  | W (kg) |
|---------------|------------|------|------|------|-----------------------|-------|-------|-------|--------|--|--------|
|               | a mm       | b mm | c mm | d mm | 2 m/s                 | 4 m/s | 6 m/s | 8 m/s | 10 m/s |  |        |
| GGLX-R100/0,5 | 210        | 160  | 500  | 35   | 0                     | 2     | 4     | 7     | 12     |  | 3,2    |
| GGLX-R125/0,5 | 240        | 180  | 500  | 35   | 1                     | 3     | 6     | 11    | 17     |  | 3,9    |
| GGLX-R160/0,5 | 280        | 220  | 500  | 35   | 1                     | 4     | 8     | 15    | 23     |  | 4,4    |
| GGLX-R200/0,5 | 330        | 250  | 500  | 35   | 0                     | 1     | 3     | 6     | 9      |  | 5,7    |
| GGLX-R250/0,5 | 390        | 310  | 500  | 35   | 1                     | 2     | 5     | 8     | 13     |  | 7,2    |
| GGLX-R315/0,5 | 450        | 370  | 500  | 35   | 1                     | 3     | 6     | 11    | 18     |  | 9,2    |
| GGLX-R400/0,5 | 550        | 460  | 500  | 55   | 0                     | 1     | 2     | 4     | 6      |  | 12,7   |
| GGLX-R100/1,0 | 210        | 160  | 1000 | 35   | 0                     | 1     | 3     | 5     | 7      |  | 5,6    |
| GGLX-R125/1,0 | 240        | 180  | 1000 | 35   | 0                     | 0     | 1     | 2     | 3      |  | 6,9    |
| GGLX-R160/1,0 | 280        | 220  | 1000 | 35   | 0                     | 1     | 1     | 3     | 4      |  | 7,9    |
| GGLX-R200/1,0 | 330        | 250  | 1000 | 35   | 0                     | 1     | 2     | 4     | 6      |  | 10,1   |
| GGLX-R250/1,0 | 390        | 310  | 1000 | 35   | 0                     | 0     | 1     | 1     | 2      |  | 13,0   |
| GGLX-R315/1,0 | 450        | 370  | 1000 | 35   | 0                     | 0     | 1     | 2     | 3      |  | 16,4   |
| GGLX-R400/1,0 | 550        | 460  | 1000 | 55   | 0                     | 1     | 1     | 3     | 4      |  | 21,6   |

| Type          | Sound attenuation (dB) |        |        |        |       |       |       |       |
|---------------|------------------------|--------|--------|--------|-------|-------|-------|-------|
|               | 63 Hz                  | 125 Hz | 250 Hz | 500 Hz | 1k Hz | 2k Hz | 4k Hz | 8k Hz |
| GGLX-R100/0,5 | 3                      | 9      | 9      | 18     | 22    | 50    | 22    | 14    |
| GGLX-R125/0,5 | 5                      | 6      | 7      | 16     | 28    | 38    | 17    | 18    |
| GGLX-R160/0,5 | 5                      | 5      | 7      | 15     | 26    | 23    | 11    | 9     |
| GGLX-R200/0,5 | 4                      | 3      | 6      | 13     | 24    | 17    | 9     | 7     |
| GGLX-R250/0,5 | 6                      | 3      | 5      | 12     | 20    | 12    | 6     | 6     |
| GGLX-R315/0,5 | 4                      | 2      | 4      | 11     | 17    | 8     | 5     | 6     |
| GGLX-R400/0,5 | 3                      | 2      | 4      | 10     | 12    | 6     | 6     | 5     |
| GGLX-R100/1,0 | 10                     | 16     | 16     | 33     | 50    | 50    | 42    | 24    |
| GGLX-R125/1,0 | 7                      | 12     | 14     | 32     | 50    | 50    | 31    | 18    |
| GGLX-R160/1,0 | 7                      | 7      | 12     | 25     | 48    | 39    | 18    | 13    |
| GGLX-R200/1,0 | 10                     | 5      | 12     | 24     | 43    | 30    | 14    | 12    |
| GGLX-R250/1,0 | 9                      | 5      | 8      | 21     | 38    | 21    | 10    | 10    |
| GGLX-R315/1,0 | 7                      | 4      | 7      | 18     | 32    | 14    | 9     | 10    |
| GGLX-R400/1,0 | 5                      | 3      | 6      | 16     | 24    | 10    | 8     | 8     |

#### LIABILITY:

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#### PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

#### TRADEMARKS:

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#### RESTRICTIONS:

The GGLX ducts are not suitable for discharging combustion products from open fireplaces and oil-fired boilers. Neither are the ducts suitable for transporting air with a high concentration of acid and base.

