



**CIRCULAR SILENCER  
TYPE CB**

## TYPE CB

### FOR THE INCREASED REDUCTION OF NOISE IN CIRCULAR DUCTS, GALVANISED SHEET STEEL CONSTRUCTION

Circular silencers made of galvanised sheet steel for the reduction of noise in circular ducts of air conditioning systems, with increased insertion loss due to sound absorbing pod

- Absorption material is non-combustible mineral wool with RAL quality mark, biosoluble and hence hygienically safe according to the German TRGS 905 (Technical Rules for Hazardous Substances) and EU directive 97/69/EC
- Mineral wool faced with glass fibre as protection against erosion due to airflow velocities up to 20 m/s
- Casing, perforated inner duct and pod are galvanised sheet steel
- Pod with domed end upstream to reduce the differential pressure
- Variant with spigot has a groove for a lip seal, suitable for circular connecting ducts to EN 1506 or EN 13180
- Insertion loss measured according to ISO 7235
- Casing air leakage to EN 15727, class B

#### Optional equipment and accessories

- With flanges on both ends
- Lip seal

## Application

### Application

- Circular silencers Type CB for the reduction of air-regenerated noise in the circular ducts of air conditioning systems
- For the reduction of air-regenerated noise
- For the reduction of fan noise

### Special features

- Insertion loss measured according to ISO 7235
- Increased insertion loss due to sound absorbing pod
- Pod with domed end upstream to reduce the differential pressure
- Absorption material is non-combustible
- Insulation thickness 50 mm or 100 mm

### Nominal sizes

- 250, 315, 400, 450, 500, 560, 630, 710, 800, 900, 1000 mm

## Description

### Variants

- 050: Circular silencer with 50 mm insulation
- 100: Circular silencer with 100 mm insulation
- CB ../VF1: Circular silencer with flange on one end (end with domed cap)
- CB ../VF2: Circular silencer with flanges on both ends

### Parts and characteristics

- Casing

- Perforated inner duct
- Sound absorbing pod

## Accessories

- Matching flange for one end
- Matching flanges for both ends
- With lip seals on both ends

## Construction features

- Circular casing
- Spigot suitable for circular ducts to EN 1506 or EN 13180
- Spigot with groove for lip seal
- Operating pressure up to 1000 Pa
- Max. operating temperature 100 °C

## Materials and surfaces

- Casing, perforated inner duct and pod are galvanised sheet steel
- Lining is mineral wool

## Mineral wool

- To EN 13501, fire rating class A1, non-combustible
- RAL quality mark RAL-GZ 388
- Biosoluble and hence hygienically safe according to the German TRGS 905 (Technical Rules for Hazardous Substances) and EU directive 97/69/EC
- Faced with glass fibre as protection against erosion through airflow velocities up to 20 m/s
- Inert to fungal and bacterial growth

## Standards and guidelines

- Insertion loss measured according to ISO 7235
- Casing air leakage to EN 15727, at least class B

## Maintenance

- Maintenance-free as construction and materials are not subject to wear

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