

## The art of handling air

### Type CAK



### FOR THE REDUCTION OF NOISE IN PLASTIC CIRCULAR DUCTS FOR CONTAMINATED AIR

Plastic circular silencers for the reduction of noise in the circular ducts of extract air systems for aggressive media

- 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 non-woven glass fibre as protection against erosion due to airflow velocities up to 20 m/s
- Casing and perforated inner duct are flame-resistant polypropylene (PPs) to DIN 4102, building class B1
- Variant with spigot suitable for circular ducts according to DIN 8077 or DIN 8078
- Insertion loss measured according to ISO 7235
- Casing air leakage to EN 15727, class D

#### Optional equipment and accessories

- With flanges on both ends

**Application**

- Plastic circular silencers Type CAK for the reduction of noise in the circular ducts of air conditioning systems
- Suitable for contaminated air
- For the reduction of air-regenerated noise of air terminal units TVRK and TVLK
- For the reduction of fan noise

**Special features**

- Insertion loss measured according to ISO 7235
- Absorption material is non-combustible

**Nominal sizes**

- 125, 160, 200, 250, 315, 400 mm

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### Variants

- CAK: Circular silencer
- VF2: Circular silencer with flanges on both ends

### Parts and characteristics

- Casing
- Perforated inner tube
- Absorption material

### Accessories

- Matching flanges for both ends, including seals

### Construction features

- Circular casing
- Spigot suitable for circular ducts according to DIN 8077 or DIN 8078
- Maximum operating pressure 1000 Pa
- Max. operating temperature 100 °C

### Materials and surfaces

- Casing and perforated inner duct are flame-resistant polypropylene (PPs) to DIN 4102, building class B1
- Lining is mineral wool

### Mineral wool

- To EN 13501, fire rating class A2, 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, class D

### Maintenance

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

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### TECHNICAL INFORMATION

Technical data, Quick sizing, Specification text, Order code ^

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Variants, Dimensions and weight v

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Installation details, Basic information and nomenclature v

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#### TROX GmbH

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