

## Type CS



### FOR THE REDUCTION OF NOISE IN CIRCULAR DUCTS, ALUMINIUM CONSTRUCTION

Circular silencers, in rigid aluminium construction, for the reduction of noise in the circular ducts of air conditioning systems

- 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
- Casing and perforated inner duct made of aluminium
- 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 D

#### Optional equipment and accessories

- Socket-type spigots on both ends
- Raised edges at both ends
- With lip seals on both ends

#### Application

- Circular silencers Type CS for the reduction of air-regenerated noise in the circular ducts of air conditioning systems
- For the reduction of air-regenerated noise of air terminal units LVC and TVR, and of mechanical self-powered controllers RN and VFC
- For the reduction of fan noise
- Can be used as cross talk silencer to reduce the transfer of noise through ducts between neighbouring rooms

#### Special features

- Insertion loss measured according to ISO 7235
- Absorption material is non-combustible
- Insulation thickness 25 mm or 50 mm

#### Nominal sizes

- 80, 100, 125, 160, 200, 250, 315, 400 mm

#### Variants

- 025: Circular silencer with 25 mm insulation
- 050: Circular silencer with 50 mm insulation
- AS2: Circular silencer with socket-type spigots on both ends
- BK2: Circular silencer with raised edges at both ends

#### Parts and characteristics

- Casing
- Perforated inner tube
- Absorption material

#### Accessories

- VD2: With lip seals on both ends
- AS2: Socket-type spigots on both ends
- BK2: Raised edges at both ends

#### Construction features

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

#### **Materials and surfaces**

- Casing and perforated inner duct made of aluminium
- Lining is mineral wool
- End pieces made ABS plastic, flammability to UL 94, V-0 (nominal sizes 80 – 125)
- End pieces made of aluminium (nominal sizes 160 – 400)

#### **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
- 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

## **TECHNICAL INFORMATION**

Technical data, Quick sizing, Specification text, Order code 

---

Variants, Dimensions and weight 

---



## TROX UK Ltd

---



Caxton Way,  
Thetford, Norfolk, IP24 3SQ, UK  
Tel: +44 (0) 1842 754545  
Fax: +44 (0) 1842 763051

General Enquiries –  
[info@troxuk.co.uk](mailto:info@troxuk.co.uk)  
Sales & Customer Services –  
[sales@troxuk.co.uk](mailto:sales@troxuk.co.uk)  
Accounts –  
[accounts@troxuk.co.uk](mailto:accounts@troxuk.co.uk)

## Online-Services

---

- › TROX Academy

---

- › Your contact partner

---

- › Our Office London

---

- › Our Office Thetford

---

## Service-Hotlines

---

Sales:  
+44 (0)1842 754545

[Contact](#)

Service:  
+44 (0)1842 754545

[Contact](#)

Technical service  
+44 (0)1842 754545

[Contact](#)

## TROX SOCIAL MEDIA

---