

00.00.00 Self-regulating flap window ventilator - DUCO Ventilation & Sun Control - TopVent SR (UK)

Description:

Thermally insulated aluminium self-regulating flap window grille with an integrated ventilation flap. Optionally available in an acoustic version for situations with light (AK) and/or heavy noise exposure (AK+).

Specifically suitable for installation on wooden, plastic or aluminium windows.

The grille has been developed in such a way that it can be installed invisibly behind the facing brick.

Anchor channel available for fast attachment.

Easy cleaning.

Inner profile: removable, washable with "invisible" perforation (insect repellent)

The self-regulating flap ensures energy gain and a constant flow rate.

Upward air flow for comfortable indoor climate (Coanda effect)

To avoid the thermal bridge being visible, an extended bottom profile is automatically supplied with the Alto version when mounting on a window thickness of 60 mm to 110 mm. In the Largo version, this is from 60 mm to 160 mm.

Material:

Aluminium: EN AW – 6063 T66

Plastic parts: ABS and PVC (impact-resistant, colourfast and weatherproof)

Damping foam AK(+): acoustic foam 34 kg/m³

Surface treatment:

Powder coating (enamelled polyester powder coating): according to Qualicoat Seaside type A, layer thickness 60-80 µm

Available colours:

- Standard RAL colours 70% gloss (except RAL 9010: 90% gloss); matt 30% gloss; fine-textured
- DAR
- Bi-colour
- Possible colours of end caps: white/black/optional: RAL

Technical specifications

Fitting depths **TopVent SR (AK) / SR UK AK:**

| Type | Recess depth (mm) |
|-------|-------------------|
| Corto | 60-85 mm |
| Medio | 60-115 mm |
| Alto | 110*-165 mm |
| Largo | 160*-215 mm |

* Also applicable from 60 mm with extended bottom profile

Ventilation values **TopVent SR (AK) / SR UK AK:**

| Type | Airflow (Q) in l/s/m at... | | | Airflow (Q) in m ³ /h/m at... | | | Equivalent area at 1 Pa in mm ² /m | Geometrical Free Area in mm ² /m |
|----------------------|----------------------------|------|-------|--|------|-------|---|---|
| | 1 Pa | 2 Pa | 10 Pa | 1 Pa | 2 Pa | 10 Pa | | |
| STD | 12,2 | 18,1 | 21,9 | 43,9 | 65,0 | 79,0 | 15517,2 | 17000 |
| AK | 12,2 | 18,1 | 21,9 | 43,9 | 65,0 | 79,0 | 15517,2 | 17000 |
| AK+ | 8,3 | 12,5 | 15,8 | 29,9 | 45,0 | 56,8 | 10556,8 | 12000 |
| UK AK EA5000 | 4,0 | 5,9 | 7,2 | 14,4 | 21,3 | 25,9 | 5087,6 | 5600 |
| UK AK EA7500 | 5,9 | 8,7 | 10,6 | 21,2 | 31,4 | 38,2 | 7504,2 | 8200 |
| UK AK EA10000 | 7,9 | 11,7 | 14,2 | 28,4 | 42,1 | 51,2 | 10048,0 | 11000 |

Sound reduction **TopVent SR (AK) / SR UK AK:**

| Type | Sound absorption $D_{ne,W} (C; C_{tr})$, in dB | | | | | | | |
|----------------------|---|------------|------------|------------|--------------------|------------|------------|------------|
| | OPEN position | | | | CLOSED position | | | |
| | Corto | Medio | Alto | Largo | Corto | Medio | Alto | Largo |
| STD | 31 (-1;-2) | | | | 43 (0;-1) | 47 (0;-2) | | |
| AK | 33 (0;-1) | 34 (0;-2) | 36 (-1;-2) | 37 (0;-2) | 43 (0;-1) | 52 (-1;-3) | 55 (0;-3) | 56 (-1;-4) |
| AK+ | x | x | 38 (-1;-3) | 40 (0;-2) | x | x | 55 (0;-3) | 56 (-1;-4) |
| UK AK EA5000 | 38 (0;-1) | 40 (-1;-2) | 41 (-1;-2) | 43 (0;-2) | 53 (0;-2) | 52 (-1;-3) | 54 (-1;-4) | 58 (-1;-4) |
| UK AK EA7500 | 36 (0;-1) | 38 (-1;-2) | 40 (-1;-2) | 41 (-1;-2) | 52 (0;-2) | 52 (-1;-3) | 54 (-1;-3) | 58 (-1;-4) |
| UK AK EA10000 | 35 (0;-1) | 36 (0;-2) | 38 (-1;-2) | 39 (0;-2) | 51 (0;-1) | 52 (-1;-3) | 54 (-1;-3) | 58 (-1;-4) |

Water tightness (when closed): 1.350 Pa

Wind resistance (in closed position): 600 Pa

Subtraction of glass height: 0 mm

Vent height: 60 mm

Built-in height: 65 mm

Operation: ...
In steps, manually
In steps, with rod

Grille length: ... mm
Up to 4000mm under warranty
From 1310 mm split flap and dual operation
With a vent length > 2710 mm, a maximum working flap length of 2610 mm is provided; the rest of the flap is secured in closed position.

Insect protection: Removable, punched internal louvre grille

Nature of the agreement:

Presumed quantity (PQ)

Measurement method:

Unit of measurement: mm

Measurement code: