

## **Self-regulating flap window ventilator PQ mm DUCO Ventilation & Sun Control - SkyVent CK SR (AK+)**

### **Description**

The SkyVent CK SR is a thermally insulated aluminium self-regulating flap window grille with self-regulating flap for the supply of fresh air in the living areas. The vent is equipped with a 15 mm flange for mounting in a recess. Additionally, the vent is also equipped with an aluminium outer profile for maximum wind and water tightness. Optionally available in an acoustic version for situations with light (AK) and/or heavy noise exposure (AK+).

The standard self-regulating flap ensures energy gain and a constant flow rate. The flap ensures that the ventilation volume remains the same in case of increasing wind, i.e. the increasing wind is smoothed out. The flap responds excellently at a pressure difference as low as 1 Pa, avoids draughts and limits energy loss and overventilation. The length of the operable flap can be limited according to the desired or required flow rate.

The inner grid with invisible perforation is easily removable, washable and insect repellent. The inner cover provides an upward air flow and comfortable indoor climate (Coanda effect).

### **Application**

- Compact transom mounting.
- Discreet fitting provides a sleek façade.
- Wind-loaded applications such as high-rise buildings (up to 70m) and coastal apartment buildings.
- Both (major) renovation and new build projects.

### **Material**

- Aluminium : EN AW – 6063 T66
- Plastic parts: ABS and PVC (impact-resistant, colourfast and weatherproof)
- Damping foam AK(+): acoustic foam 34 kg/m<sup>3</sup>

### **Finish / Surface treatment**

- Powder coating (enamelled polyester powder coating): according to Qualicoat Seaside type A, layer thickness 60-80 µm
  - DUCO300RAL (gloss, matt or fine-textured)
  - Bi-colour (where the exterior and interior colours are different)
- Colour of end caps = white / black

**Technical specifications**

Fitting depths:

Type	Recess depth (mm)
Medio	115 mm
Alto	165 mm
Largo	215 mm

Ventilation values:

Type	Airflow (Q) in l/s/m at ...				Airflow (Q) in m <sup>3</sup> /h/m at ...				Equivalent area at 1 Pa (mm <sup>2</sup> /m)	Geometrical free area (mm <sup>2</sup> /m)
	1 Pa	2 Pa	10 Pa	20 Pa	1 Pa	2 Pa	10 Pa	20 Pa		
SkyVent CK SR	12,3	17,3	20,7	22,6	44,2	62,2	74,6	81,5	15616,1	17000
SkyVent CK SR AK	12,6	19,2	19,3	19,0	45,4	69,0	69,4	68,3	16040,1	17000
SkyVent CK SR AK+	7,6	10,4	11,8	13,9	27,3	37,3	42,4	50,1	9645,2	12000

Sound reduction:

Type	Sound absorption D <sub>n,e,W</sub> (C;Ctr) in dB					
	OPEN position			CLOSED position		
	Medio	Alto	Largo	Medio	Alto	Largo
SkyVent CK SR	28 (0;-1)			48 (-1;-2)		
SkyVent CK SR AK	33 (-1;-2)	35 (-1;-2)	37 (-1;-2)	51 (-1;-3)	55 (0;-3)	54 (0;-3)
SkyVent CK SR AK+	36 (-2;-3)	38 (-1;-3)	40 (0;-2)	52 (-1;-3)	56 (-1;-4)	59 (-1;-5)

All octave band values (in dB) are freely available from DUCO 'Ventilation &amp; Sun Control'.

F-Factor values

Type	SkyVent CK SR	SkyVent CK SR AK	SkyVent CK SR AK+
Medio	0,61	0,74	0,77
Alto	0,66	0,79	0,81
Largo	0,68	0,81	0,84

Leakage rate at 50 Pa (Q1c,50Pa):	0,200 m <sup>3</sup> /h*m
Wind tightness (class):	4 (EN 12207)
Water tightness (in closed position):	1350 Pa
Water tightness (in open position):	100 Pa
Thermal break:	Yes
Insect protection:	Removable, punched internal louvre grille
Substraction of glass height:	0 mm
Vent height:	63 mm
Built-in height:	70 mm
Surface area:	0,060 m <sup>2</sup> /m
Visible outside opening:	19 mm
Dimension X:	Medio: 120 mm Alto: 170 mm Largo: 220 mm
Total fitting depth:	Medio: 167 mm Alto: 217 mm Largo: 267 mm
Maximum vent length under warranty:	4000 mm <i>Split flap from 2050 mm grille length.</i>
Operation:	... In steps, manually In steps, with rod

#### **Nature of the agreement**

Presumed quantity (PQ)

#### **Measurement method**

Unit of measurement: mm  
Measurement code:

For commercial and technical assistance (assembly and installation instructions, spare parts lists, calculations, etc.), please contact your regional dealer or the **DUCO 'Ventilation & Sun Control'** project department.