



# GEBAVENT Flat Roof Cowl Type FDL-K – Technical Datasheet

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## General Description

Type: FDL-K (Head piece), part of the flat roof cowl series for ventilation systems on flat roofs (0° incline). Includes integrated condensate drainage. Double-walled cowl body (non-insulated) with EPS-insulated support pipe (30 mm).

## Materials & Surface

Cowl Head: Steel sheet with special aluminium-zinc coating, powder-coated exterior.

Support Pipe: Double-walled, galvanised steel, EPS insulation, flange connection.

Colours: Grey (≈ RAL 7042); custom colours available on request.

## Protection & Resistance

Fire-resistant design using full encapsulation (Frankfurt model).

UV and corrosion resistant, rainproof.

Condensate drainage is integrated through the cowl head.

## Dimensions (in mm)

DN	A	B	C	Pipe	d	d <sub>1</sub>	d <sub>2</sub>	d <sub>3</sub>
160	190	355	730	450 / 650	272	158	178	220
200	240	395	780	450 / 650	320	198	218	260

## Pressure Loss (Air Velocity 4 / 8 m/s)

DN	4 m/s (m <sup>3</sup> /h)	Δp (Pa)	8 m/s (m <sup>3</sup> /h)	Δp (Pa)
160	290	3	579	10
200	452	4	905	12

## Installation Notes

Components: FDL-K cowl head + SRL support pipe (300 mm connection below flange).

Integrated condensate drainage.

Vapor barrier should extend 20 mm above insulation. Sealing height  $\geq 150$  mm for  $\leq 5^\circ$  roof slope;  $\geq 100$  mm for steeper roofs.

Optional second flange available for overlap sealing with bitumen membranes.

