

Axial heat and smoke exhaust fan

11017051
VAV CIRCULAR XVA D160

The VAV enables precise airflow adjustment based on a signal whatever the pressure variation, to adapt the quantity of air to actual needs.



PRODUCT BENEFITS

- precise adjustment of airflow,
- easy to adjust on site,
- low leak rate (class C).

Principles of operation

Based on a 0-10V or 2-10V signal, the VAV will adjust the airflow precisely over a wide airflow range, thanks to its built-in pressure taps. The minimum and maximum airflow settings can be adjusted on site using the Belimo app or the associated configuration tool.

Product description

The VAV is an airflow controller which will adjust the airflow according to an external signal from a sensor, BMS, etc. Its integrated pressure sensors maintain the airflow specified by the signal whatever the pressure variations. The airflow is kept at the exact level required for greater comfort, IAQ and energy savings.

Fields of application

New, Refurbishment, Non-residential buildings

Installation

- directly installed between two circular ducts,
- installed horizontally or vertically,
- airflow direction indicated on component,
- adjustment of min./max. airflow on site,
- 24V AC power supply.

Reference arguments

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Accessories

Description	Variants
Sens CO2 sensor	11017090
RM SMART access branch piece - Ø 160 mm	11093057

General data

Variants	Airflow accuracy
11017051	5% (> 2m/s)

Dimensional data

Variants	L (mm)	Ø (mm)	Ø external (mm)	Weight (kg)
11017051	400	160	157	3

Airflow data

Variants	Airflow range (m³/h)	Pressure range (Pa)
11017051	150-870	50-1000

Electrical datas

Variants	Frequency (Hz)	Protection current (A)	Power consumption	Power supply	Voltage (V)
11017051	50/60	6	4.5	Single-phase	24

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Regulatory data

Variants	Fire protection rating
11017051	A1

Curve

