F2A

e·VAV

CONNECTED & ENERGY SELF-SUFFICIENT VAV DAMPER

VAV system is getting smarter

Indoor air quality control.

Energy self-sufficient damper.

At the heart of the smart building

(**LoRaWAN** communication)

Applications

The e·VAV is a variable air volume damper to manage fresh air in commercial and school buildings. It controls indoor air quality according to a CO_2 sensor, a presence detector or a signal 0..10V.

Operation

e·VAV generates its own energy to power an engine and requires no wiring. A turbine actuated by the airflow ventilation enables to operates the damper iris to set the airflow.

Versions

e·VAV, variable air volume damper, energy self-sufficient and connected

e·VAV QAI, variable air volume damper with air quality sensor (CO_2 or VOC), energy self-sufficient and connected

e·SENSE, air quality sensor (CO_2 or VOC), energy self-sufficient and connected

Technical features

0..10V control signal or a dry contact

LoRaWAN wireless communication protocol.

Energy Harvesting technology of Enerbee is based on piezoelectric and magnetostrictive materials.

Male connection with EPDM seal

AIR FLOW RANGE :

	Ø 125	Ø 160*	Ø 200*
Recommended max. airflow (air velocity of 5 m/s)	220 m³/h	360 m³/h	565 m³/h
Min. airflow (operating mode)	20 m³/h	40 m³/h	50 m³/h
Min. airflow (operating mode)	40 m³/h	50 m³/h	60 m³/h

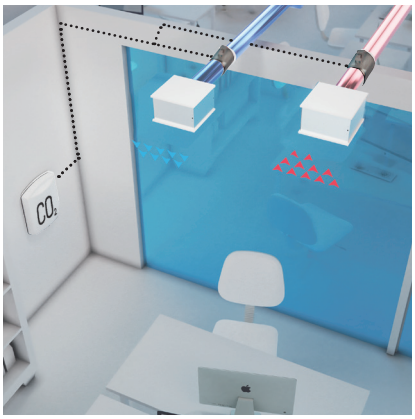
* available of 2022

DIMENSIONS :

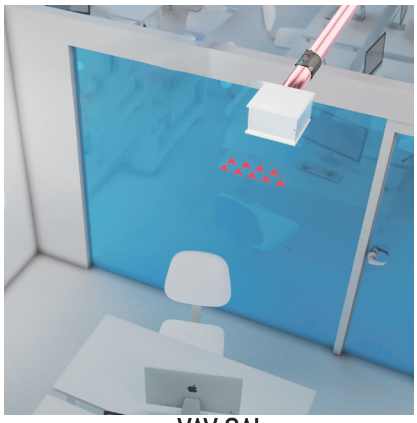
Diameter	125 mm	160 mm*	200 mm*
Lenght	105 mm	105 mm	105 mm

* available of 2022

AIR QUALITY MANAGEMENT IN PREMISES



e·VAV



e·VAV QAI

F2A Manufacturer Air handling components

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