F2A

e•VAV

CONNECTED & ENERGY SELF-SUFFICENT VAV DAMPER

VAV system is getting smarter

Indoor air quality control.

Energy self-sufficient damper.

At the heart of the smart building

(LoRaWan communication)

e•VAV powered by ENERBEE

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 CO_2 level or presence in the premises.

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

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

Technical features

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

LoRaWan wireless communication protocol.

0..10V control signal or a dry contact.

AIR FLOW RANGE :

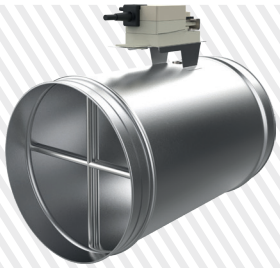
Max. airflow	250 m^3/h
Min. airflow (operating mode)	20 m^3/h
Min. airflow (operating mode)	40 m^3/h

DIMENSIONS :

Diameter	125 mm
Lenght	105 mm

Male connection with EPDM seal

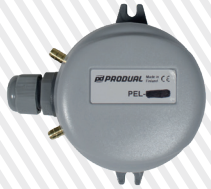
FULL RANGE FOR VARIABLE AIR VOLUME SYSTEMS FLOW RATE AND PRESSURE CONTROL



RCVS / RCVS-I

RRVS / RRVS-I

CO_2 sensor



Pressure controller

F2A Manufacturer Air handling components

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