



# 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 CO<sub>2</sub> 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 operate 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<sub>2</sub> or VOC), energy self-sufficient and connected

**e-SENSE**, air quality sensor (CO<sub>2</sub> 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 :

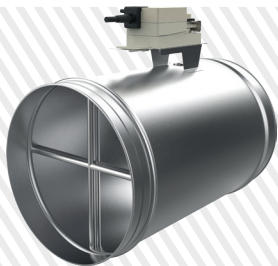
|                               |                       |
|-------------------------------|-----------------------|
| Max. airflow                  | 250 m <sup>3</sup> /h |
| Min. airflow (operating mode) | 20 m <sup>3</sup> /h  |
| Min. airflow (operating mode) | 40 m <sup>3</sup> /h  |

### DIMENSIONS :

|          |        |
|----------|--------|
| Diameter | 125 mm |
| Length   | 105 mm |

Male connection with EPDM seal

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



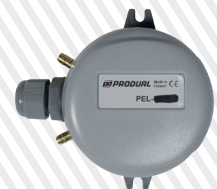
RCVS / RCVS-I



RRVS / RRVS-I



CO<sub>2</sub> sensor



Pressure controller