



## RPM-K 125 S - .01

### Design - Manually controlled

|                                           |                                                                    |
|-------------------------------------------|--------------------------------------------------------------------|
| Size:                                     | DN 125 / 450                                                       |
| Flow rate V:                              | 150 m <sup>3</sup> /h                                              |
| Media speed w:                            | 3.4 m/s                                                            |
| Pressure loss $\Delta p_{cv}$ :           | 7 Pa                                                               |
| Sound power level LWA:                    | 50 Pa: 21 dB(A) 100 Pa: 26 dB(A) 250 Pa: 35 dB(A) 500 Pa: 43 dB(A) |
| Weight:                                   | 2.8 kg                                                             |
| Effective damper's area S <sub>ef</sub> : | ---                                                                |

### Octave band sound power level LWA (inside the duct)

| f [Hz]                                                     | 63  | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | LWA |
|------------------------------------------------------------|-----|-----|-----|-----|------|------|------|------|-----|
| L <sub>woct</sub> [dB] at $\Delta p_{st} = 7 \text{ Pa}$   | --- | --- | --- | --- | ---  | ---  | ---  | ---  | --- |
| L <sub>woct</sub> [dB] at $\Delta p_{st} = 50 \text{ Pa}$  | 52  | 42  | 36  | 36  | 39   | 34   | 27   | 16   | 42  |
| L <sub>woct</sub> [dB] at $\Delta p_{st} = 100 \text{ Pa}$ | 57  | 47  | 41  | 41  | 43   | 39   | 31   | 20   | 46  |
| L <sub>woct</sub> [dB] at $\Delta p_{st} = 250 \text{ Pa}$ | 65  | 55  | 50  | 48  | 51   | 48   | 40   | 28   | 54  |
| L <sub>woct</sub> [dB] at $\Delta p_{st} = 500 \text{ Pa}$ | 72  | 62  | 57  | 55  | 58   | 55   | 47   | 35   | 61  |

### Description

Constant mechanical air volume regulators are meant for input or output air systems. Regulators can be installed in horizontal or vertical position with horizontal or vertical blade axis. The aerodynamic forces acting the list due to the flow are compensated by the control device adjusted according required flow. Adjustment of required flow is simply performed by lever with a pointer and scale. Mechanical controllers need not be connected to any external power source. The controller consists of the casing of the controller with a control blade and control device. Control device is placed inside of box with scale for adjustment of required flow. Accuracy of the scale is  $\pm 5 \%$ .

### Characteristics

- For keeping and regulation of constant airflow volume in HVAC systems
- Diameter from 80 to 400 mm
- Airflow volume from 50 to 4 500 m<sup>3</sup>/h
- Casing and actuating mechanism made of galvanized steel, leaf made of aluminium, leaf axe, bearings and spring made of austenitic steel