

## RDR-HP



The circular self-regulating air flow rate regulators of the RDR-HP series keep the set air flow value constant, regardless of the pressure and air flow variation, without the help of external energy.

**MATERIAL AND FINISH**

- Construction in plastic (class. M1)

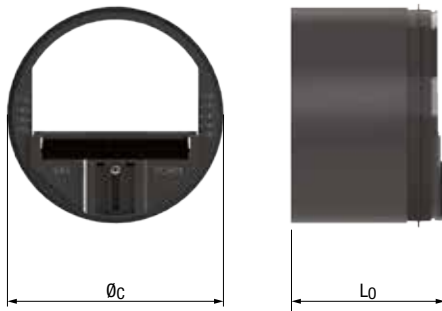
**APPLICATION**

- Suitable for CAV systems with an operating range between 150 and 650 Pa
- Easily accessible front adjusting screw
- Suitable for temperatures up to max 60° C
- Flow measurement accuracy +/- 5%

1. External casing in plastic
2. Gasket
3. Casing inside the damper
4. Regulator
5. Shock adsorber piston
6. Air flow rate regulation mechanism



- Keep the minimum required distances for proper operation:
  - extraction air: 1 x diam Ø
  - supply air: 3 x diam Ø

**DIMENSIONS AND PRICES**

Code	Ø <sub>n</sub>	Dimensions [mm]		RDR-HP	Air flow rate Q [m <sup>3</sup> /h]	
		Ø <sub>c</sub>	L <sub>0</sub>	€	Q <sub>min</sub>	Q <sub>max</sub>
RDR-HP						
80100	80	76	55		25	90
10100	100	96	70		25	90
10200	100	96	70		90	170
12100	125	120	70		25	90
12200	125	120	70		90	170
12300	125	120	90		180	300
16100	160	148	85		25	90
16200	160	148	85		90	170
16300	160	148	85		180	300
16400	160	148	85		300	500
20100	200	195	90		90	170
20200	200	195	90		180	300
20300	200	195	90		300	500
20400	200	195	90		500	850
25100	250	245	90		180	300
25200	250	245	90		300	500
25300	250	245	120		500	850
25400	250	245	120		850	1300

**INSTALLATION**

The flow regulator fits directly inside a vertical or horizontal duct. For horizontal ducts ensure the bottom ("DOWN") direction indicated on the front of the regulator faces downward. A lip seal ensures air tightness.

When the regulator is used in conjunction with an air diffusion vent, the distance between the vent and regulator must be:

- at least equal to the duct diameter for air extraction.
- at least three times the duct diameter for air supply.

Do not twist, push, or otherwise force the moving flap (the regulating element) when fitting.

Compliance with the airflow direction indicated on the adapter is vital.



RDR regulator in air supply



RDR regulator in air extraction