



CONSTANT AIR FLOW REGULATORS

AT-KVR-R SERIES

OVERVIEW



Overview

The AT-KVR-R are round air flow regulation units made in PVC, with fire class M1. They are used to supply a constant air flow regardless of the pressure variation in the air duct. Due to the simple mechanical regulation, power supply is not required.

Technical characteristics

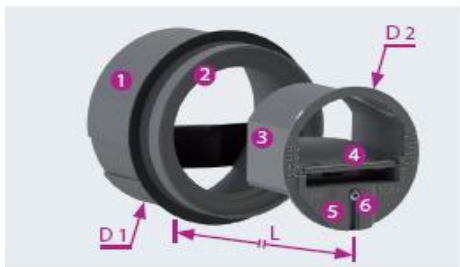
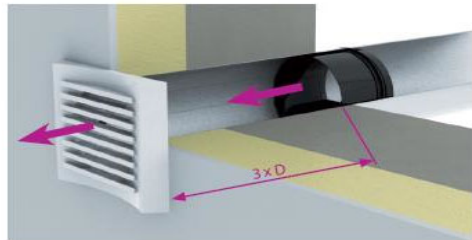
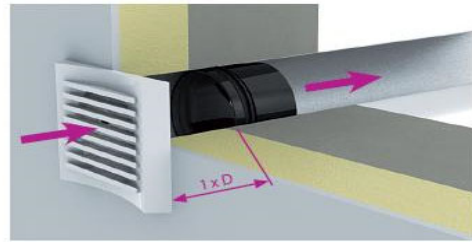
Diameter range from 80 to 250 mm
Air flow adjustable during installation,
Unit supplied at maximum air flow position.
Casing in PVC (diameters 80 e 100) or in galvanized steel (larger diameters).
Regulation valve in PVC.
Mechanical regulation independent from external power supply.
Constant air flow guaranteed for working pressure between 50 e 200 Pa.
Maximum working temperature +60 °C.

Installation

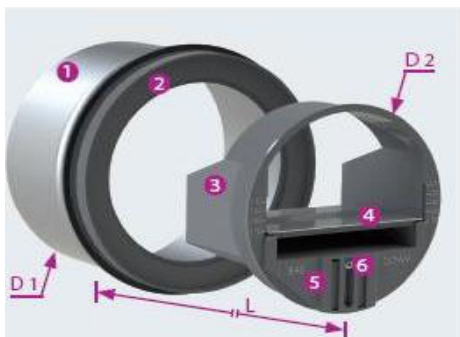
Installation is simply made by inserting the AT-KVR-R unit inside the round air duct. Always check the direction of the air flow shown on the unit.
Installation possible both in horizontal and vertical ducts.
In horizontal air ducts always respect the "down" position shown on the unit.

Straight sections

For a correct use of the AT-KVR-Rs, a straight section of duct with a length equal to the diameter of the unit must be left before and one three times the diameter after it.



Diameter	D1 [mm]	D2 [mm]	L [mm]
Ø 80	76	76	55
Ø 100	96	93	70



Diameter	D1 [mm]	D2 [mm]	L [mm]
Ø 125	120	117	86
Ø 150	146	148	91
Ø 160	146	148	91
Ø 200	190	195	91
Ø 250	245	236	127

- 1 Sleeve with lip seal
- 2 Side of inlet air
- 3 Regulator casing
- 4 regulation piece
- 5 Air flow setting
- 6 Screw for air flow setting



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ON SITE
REGULATION

The AT-KVR-R regulators can be adjusted during installation to reach smaller air flows compared to that preadjusted during production (maximum airflow), by moving the sliding element. A nr. 10 Torx key (not supplied) is required.

Model	Diameter	Air flow m ³ /h																						
		15	30	45	50	60	75	90	100	120	150	180	210	240	270	300	350	400	450	500	550	600	650	700
AT-KVR-R-080-015-050	80	█	█	█	✘																			
AT-KVR-R-100-015-050	100	█	█	█	✘																			
AT-KVR-R-100-051-100	100				█	█	█	█	█	✘														
AT-KVR-R-125-015-050	125	█	█	█	✘																			
AT-KVR-R-125-051-100	125				█	█	█	█	█	✘														
AT-KVR-R-125-101-180	125								█	█	█	█	✘											
AT-KVR-R-150-015-050	150	█	█	█	✘																			
AT-KVR-R-150-051-100	150				█	█	█	█	█	✘														
AT-KVR-R-150-101-180	150								█	█	█	█	✘											
AT-KVR-R-150-181-300	150									█	█	█	█	█	✘									
AT-KVR-R-160-015-050	160	█	█	█	✘																			
AT-KVR-R-160-051-100	160				█	█	█	█	█	✘														
AT-KVR-R-160-101-180	160								█	█	█	█	✘											
AT-KVR-R-160-181-300	160									█	█	█	█	█	✘									
AT-KVR-R-200-100-180	200								█	█	█	█	✘											
AT-KVR-R-200-181-300	200									█	█	█	█	█	✘									
AT-KVR-R-200-301-500	200										█	█	█	█	█	█	✘							
AT-KVR-R-250-180-300	250										█	█	█	█	█	✘								
AT-KVR-R-250-301-500	250											█	█	█	█	█	█	✘						
AT-KVR-R-250-501-700	250																		█	█	█	█	█	✘

✘ Factory set air flow

█ Obtainable airflow

To adjust, loosen the screw using the size 10 Torx key (not supplied) and position the deflector at the required air flow rate.

Lock the deflector in place by tightening the screw again.

The controllers are supplied as standard at the maximum air flow rate.

Diameters 80 and 100
Example of regulation at 50m³/h



Diameters from 125 up to 250
Example of regulation at 180m³/h

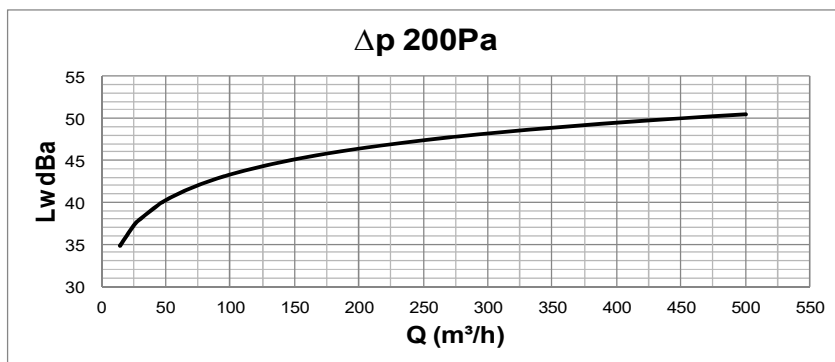
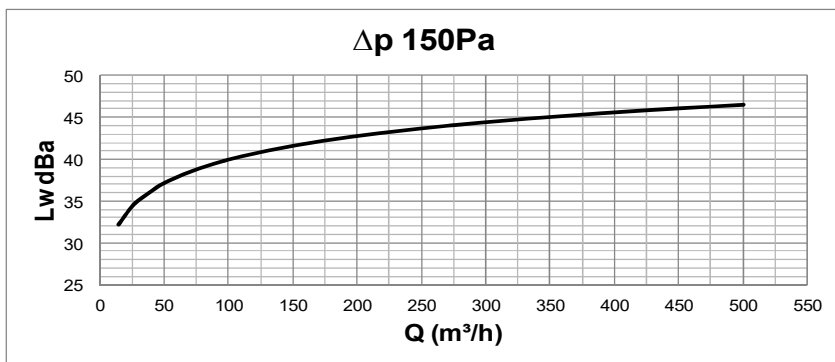
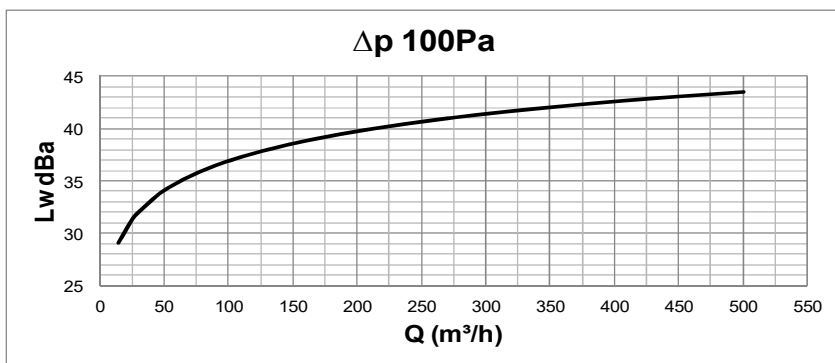
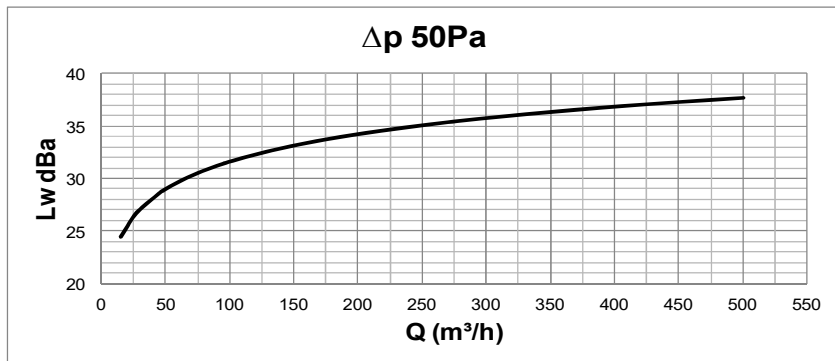




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GENERATED NOISE

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HOW TO ORDER

