



Constant Volume Regulator



KVR

Ø 80 to Ø 250 mm
ADJUSTABLE FLOWS

SELF ADJUSTING FROM 50 to 250 Pa

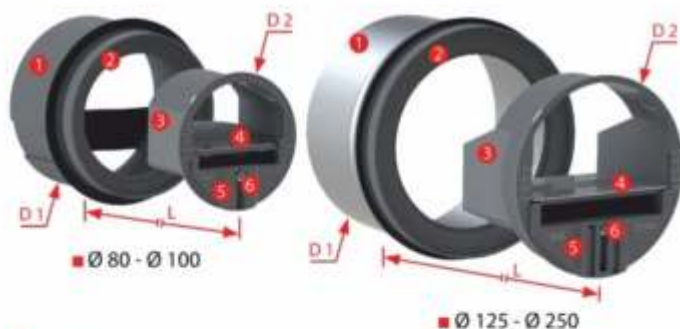
KVR

The Constant Volume Regulator (KVR) is installed inside the duct system to obtain the air flow at precise constant level within the pressure range of 50 to 250 Pascals.

It is used in Air Conditioning or ventilation system for supply Air & Exhaust

IMPORTANT

- Self adjusting on the pressure range 50 to 250 Pa.
- Easy adjustment.
- The requested air flow is fixed by a screwdriver «torx n°10».
- Made in plastic material (classified M1).
- Use with a maximum temperature of 60°C.



Dimensions

KVR	D1(mm)	D2(mm)	L(mm)
Ø 80	76	76	55
Ø 100	96	93	70
Ø 125	120	117	86
Ø 150	148	148	91
Ø 160	148	148	91
Ø 200	196	196	91
Ø 250	244	236	127

Construction

- 1. Collar with sealing
- 2. Intermediate piece according to the air flow rate
- 3. Casing
- 4. Regulating element
- 5. Air flow rate regulating module
- 6. Blocking screw for regulating module

ADJUSTMENT



Sound data

Qv	Lw			
	50Pa	100Pa	150Pa	200Pa
15	25	29	32	35
25	26	30	33	36
30	26	31	35	38
45	27	33	36	39
50	29	35	37	41
60	32	37	39	42
75	32	37	40	42
90	32	38	41	44
100	33	39	42	45
120	30	34	39	42
150	33	37	41	45
180	34	40	44	47
210	34	40	42	44
240	35	41	44	47
270	37	43	45	49
300	33	37	42	45
350	35	40	44	47
400	37	42	45	50
450	38	44	46	51
500	39	46	48	53

Characteristics

Ø 80 - 100 - 125 mm

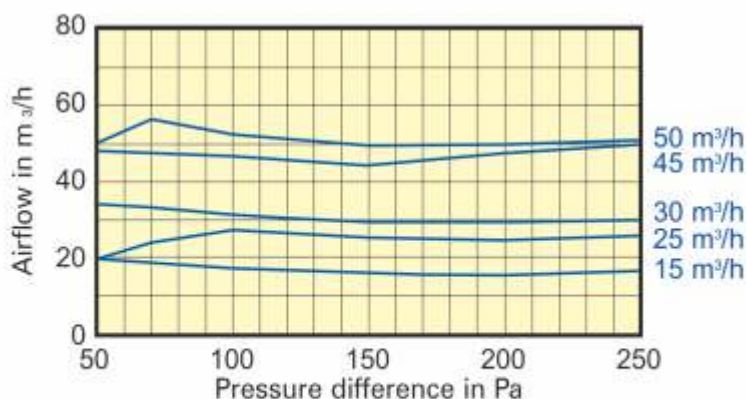
The Graph & Curves represents the air flow variations in m³/h of KVR Ø 80, 100 and 125 mm in extraction according to the characteristics of pressure in Pascal (Pressure range of 50 to 250 Pa).

The Values given are averages which may vary of:

- + or - 3 m³/h for airflow ≤ 50 m³/h
- + or - 5 % for airflow > 50 m³/h

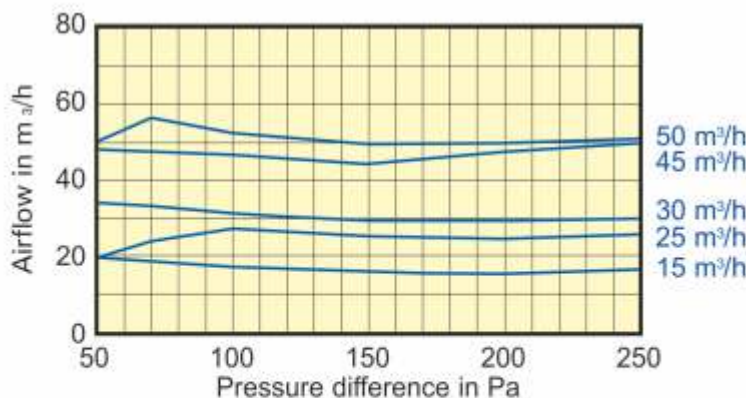
Flow regulators are characterized by their noise level in dB(A).

FLOW REGULATOR Ø 80 - 15 to 50 m³/h



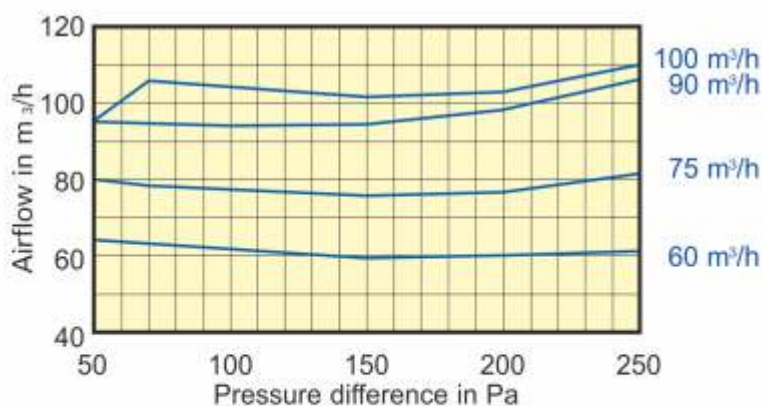
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
15	25	29	32	35
30	26	31	35	38
45	27	33	36	39
50	32	37	39	42

FLOW REGULATOR Ø 100 - 15 to 50 m³/h



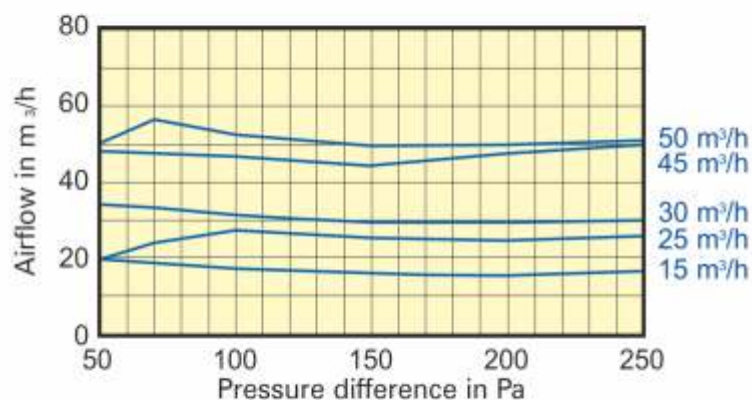
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
15	25	29	32	35
30	26	31	35	38
45	27	33	36	39
50	32	37	39	42

FLOW REGULATOR Ø 100 - 50 to 100 m³/h



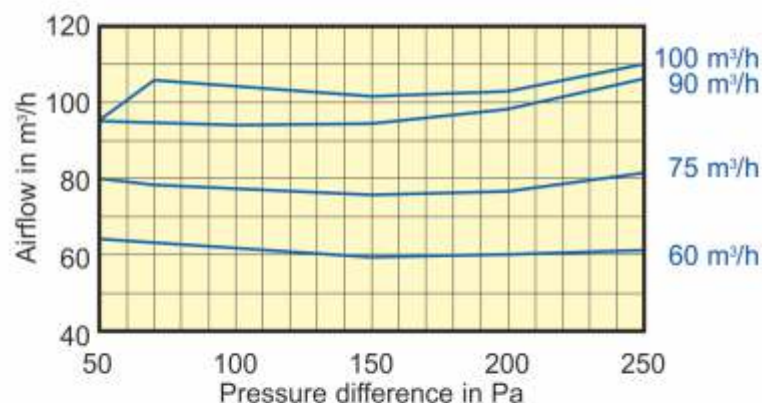
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
60	32	37	39	42
75	32	37	40	42
90	32	38	41	44

FLOW REGULATOR Ø125-15 to 50 m³/h



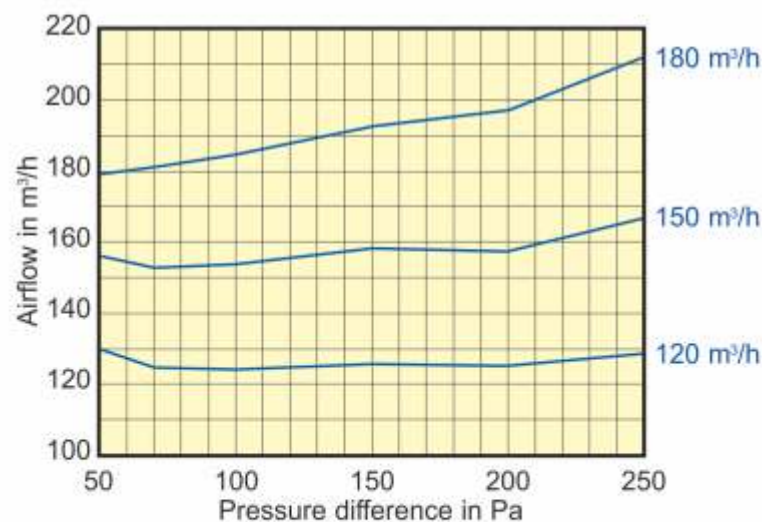
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
15	25	29	32	35
30	26	31	35	38
45	27	33	36	39
50	32	37	39	42

FLOW REGULATOR Ø125-50 to 100 m³/h



Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
60	32	37	39	42
75	32	37	40	42
90	32	38	41	44

FLOW REGULATOR Ø125-100 to 180 m³/h



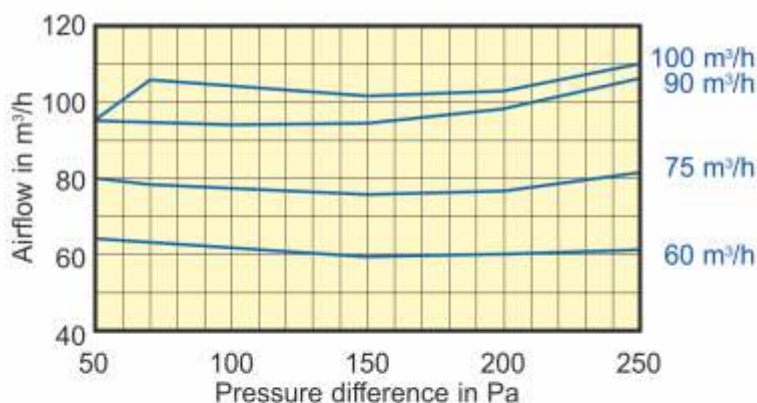
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
120	30	37	39	42
150	33	37	41	45
180	34	40	44	47

Characteristics

Ø 150 - 160 - 200 mm

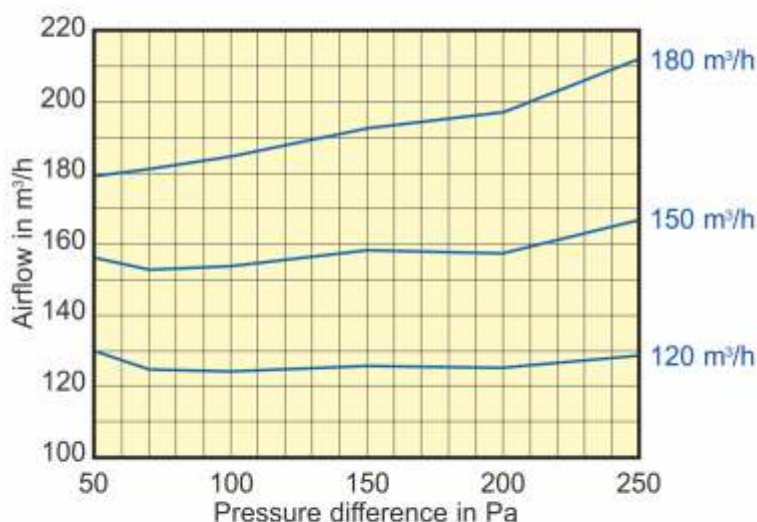
The graph & curves represents the airflow variations in m³/h of KVR Ø 150, 160 and 200 mm in extraction according to the characteristics of pressure in Pascal (pressure range of 50 to 250 Pa). The value given are average which may vary of 5% either way.

FLOW REGULATOR Ø150/160-50 to 100 m³/h



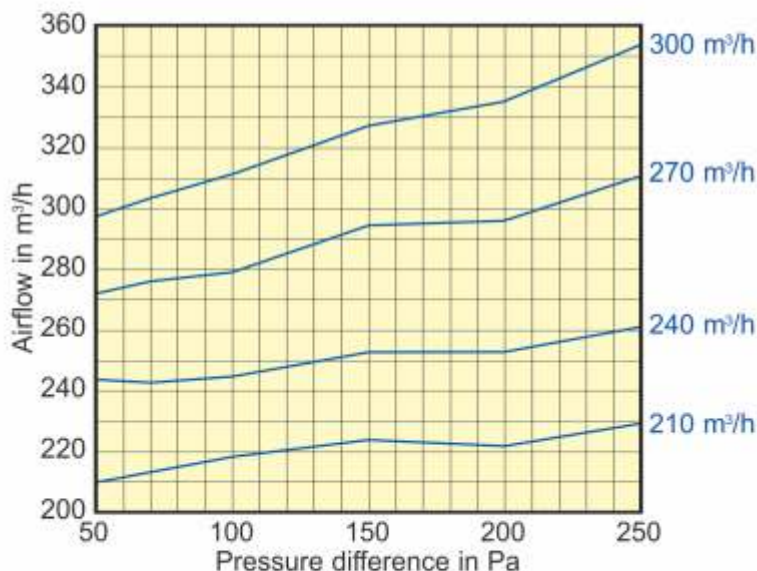
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
60	32	37	39	42
75	32	37	40	42
90	32	38	41	44

FLOW REGULATOR Ø150/160-100 to 180 m³/h



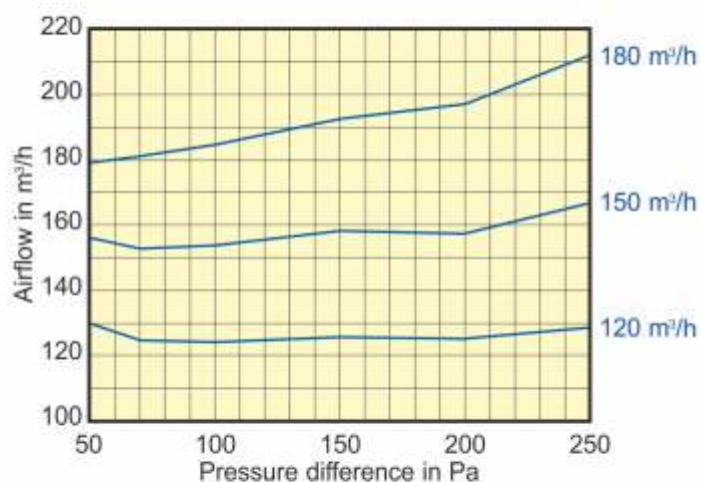
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
120	30	37	39	42
150	33	37	41	45
180	34	40	44	47

FLOW REGULATOR Ø150/160-180 to 300 m³/h



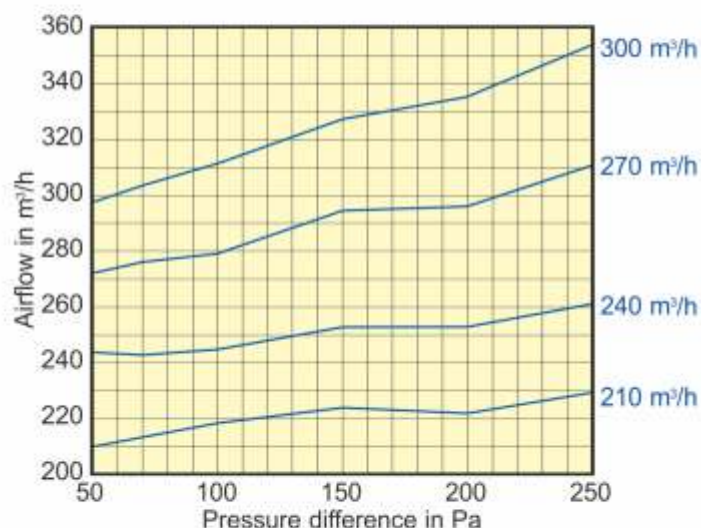
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
210	34	40	42	44
240	35	41	44	47
270	37	43	45	49
300	33	37	42	45

FLOW REGULATOR Ø200-100 to 180 m³ / h



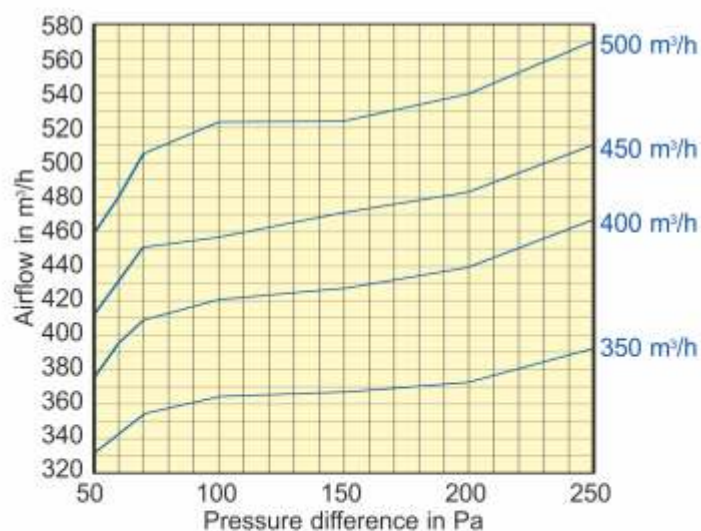
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
120	30	37	39	42
150	33	37	41	45
180	34	40	44	47

FLOW REGULATOR Ø200-180 to 300 m³ / h



Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
210	34	40	42	44
240	35	41	44	47
270	37	43	45	49
300	33	37	42	45

FLOW REGULATOR Ø200-300 to 500 m³ / h



Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
350	35	40	44	47
400	37	42	45	50
450	38	44	46	51
500	39	46	48	53

Characteristics

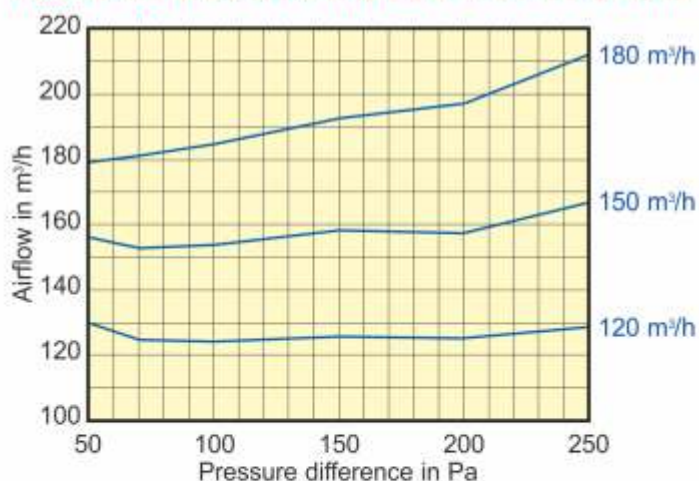
Ø 250 mm

The graph & curves represents the air flow variations in m³/h of KVR Ø 250 mm in extraction according to the characteristics of pressure in Pascal (pressure range of 50 to 250 Pa).

The Values given are averages which may vary of 5% either way.

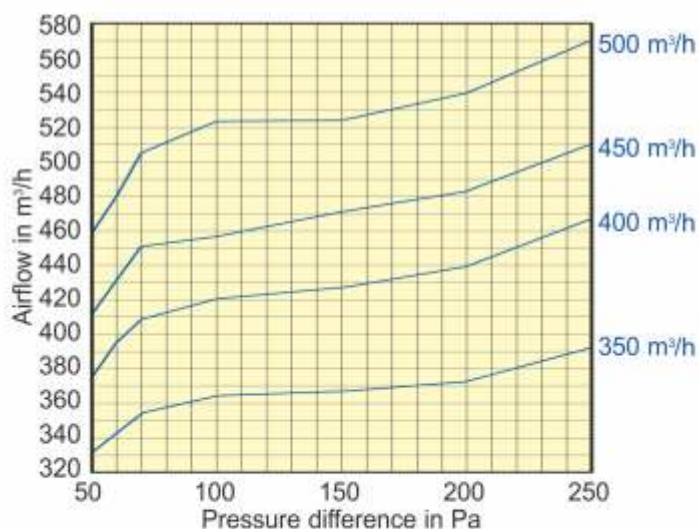
Flow regulators are characterized by their noise level in dB(A).

FLOW REGULATOR Ø250-180 to 300 m³/h



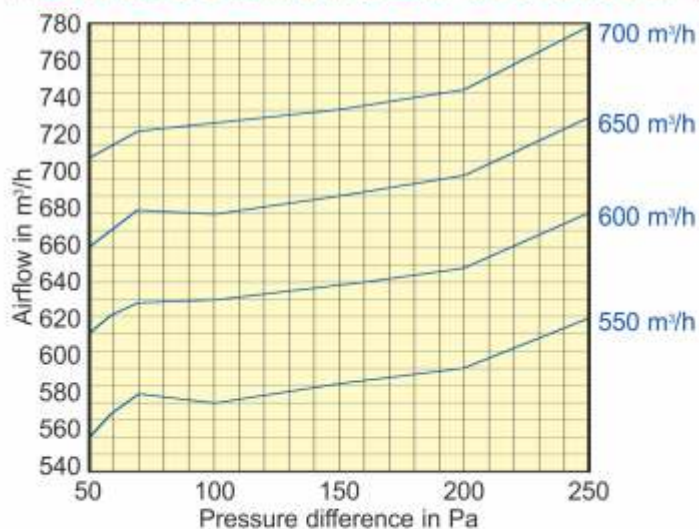
Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
120	30	37	39	42
150	33	37	41	45
180	34	40	44	47

FLOW REGULATOR Ø250-300 to 500 m³/h

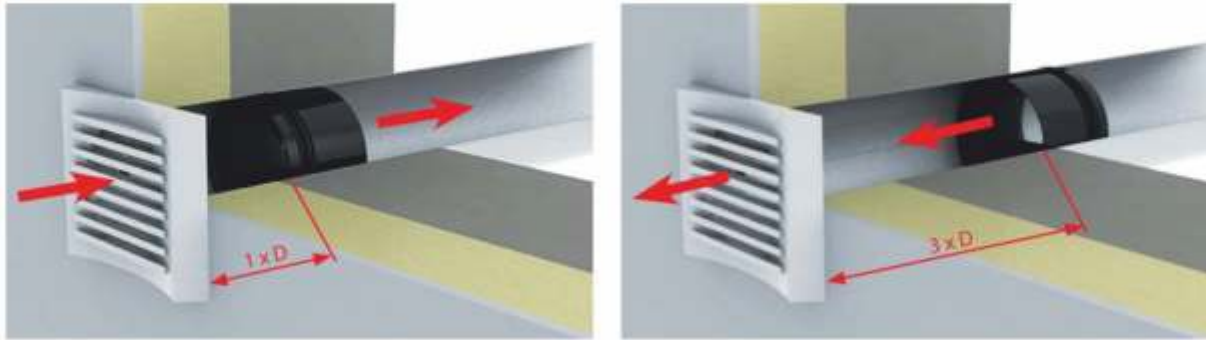


Flow (m ³ /h)	Lw in dB(A)			
	50 Pa	100 Pa	150 Pa	200 Pa
350	35	40	44	47
400	37	42	45	50
450	38	44	46	51
500	39	46	48	53

FLOW REGULATOR Ø250-500 to 700 m³/h



- The Constant Volume Regulator (KVR) has to be easily accessible for maintenance

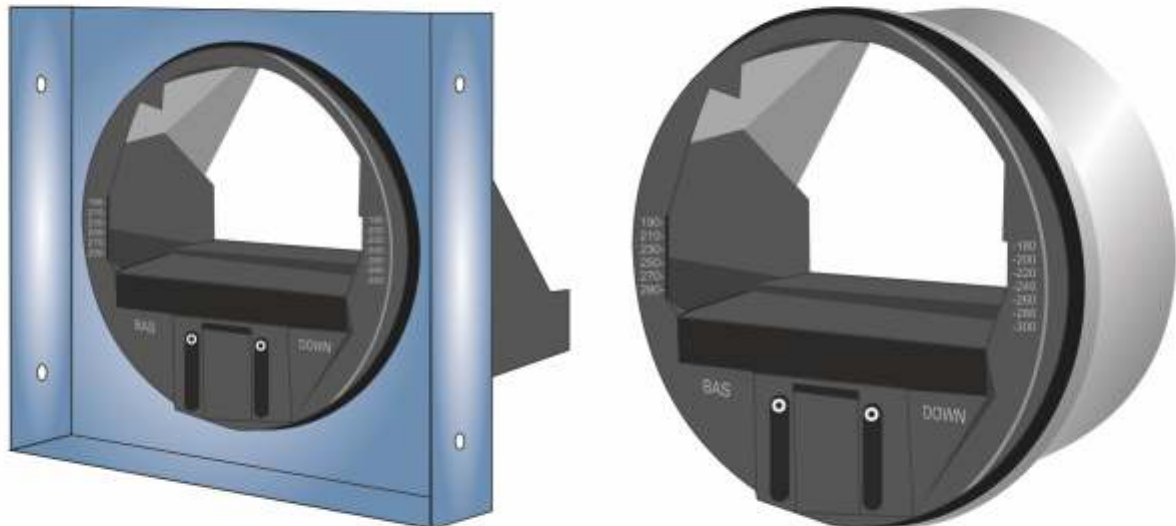


Accessories

- Screw driver or bit Torx T10 for unscrewing the screw for adjusting the air flow rate of the regulator.

Other available products

- **KVR-HP:** High pressure Constant Volume Regulator with a pressure range between 150 and 600Pa, available on demand



Catalogue Reference AFPL: C25-02S

- Product Improvement is a continuing endeavor at Airflow, therefore descriptions and specifications given herein are subject change without any prior notice.



Marketed By **AIR FLOW PVT. LTD.** (An ISO 9001:2008 Certified)

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