KOOLAIR

series KSV

Constant air volume terminal units

ISO 9001
BUREAU VERITAS
Certification
Sistema de Gestión

www.koolair.com

Terminal unit CAV

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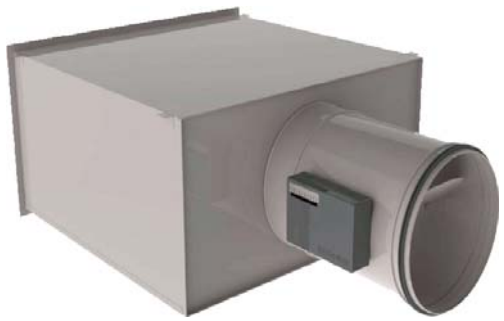
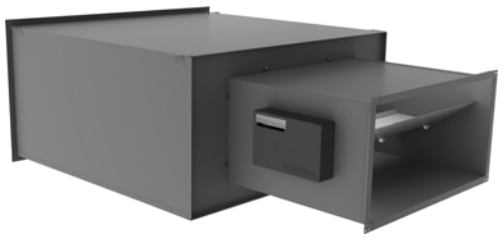
Terminal unit CAV



KSV with RCCK



KSV with RCQK

Description

Terminal control unit constant air flow, KOOLAIR brand, model **KSV** / **KSVL**, length dimension 610/1360 mm.

Formed by a casing galvanized sheet steel, with internal insulation of thermoacoustic glass wool 30 mm thick coated with black fiber glass.

Regulator incorporates auto mechanic without need of external energy, ensuring a constant air flow independently of pressure variations suffered by the system.

Provides the required flow rate with high accuracy, easily adjustable to any other volume requires on site.

Minimum required inlet pressure of 50 Pa.

Material inside thermoacoustic high strength, not harmful to the health, prevents the cultivation of microorganisms and and fire reaction classification A2-s1, d0 according to EN 13501-1.

Other Models

KSV. Constant air volume terminal unit KSV of length 610 mm.
KSVL. Constant air volume terminal unit KSV of length 1360 mm.

Accesories

Outlet plenum. Plenum with multiple outlets available upon request.
W. LPHW low pressure hot water battery.
E. Reheat electric battery.

Selection table

Size	Q (m^3/h)	ΔP_{min} (Pa)	Regenerated noise Sound pressure L_{PA} dB(A)		Radiated noise Sound pressure L_{PA2} dB(A)	
			ΔP = 100 Pa	ΔP = 500 Pa	ΔP = 100 Pa	ΔP = 500 Pa
100	80	50	<20	29	<20	<20
	325	50	21	38	<20	<20
200	135	50	<20	35	<20	<20
	500	50	26	44	<20	26
400	235	50	23	39	<20	<20
	850	50	33	49	<20	32
600	370	50	28	43	<20	<20
	1320	50	35	51	24	37
800	430	50	29	44	<20	34
	1730	50	39	55	29	44
1200	530	50	30	45	<20	35
	2160	50	41	55	31	45
1600	720	50	34	51	24	39
	2850	50	41	56	31	46
2000	880	50	36	49	26	39
	3600	50	42	57	31	46
3000	1080	50	32	46	<20	31
	4320	50	42	56	31	45

LEGEND

Q (m^3/h): Air-flow.

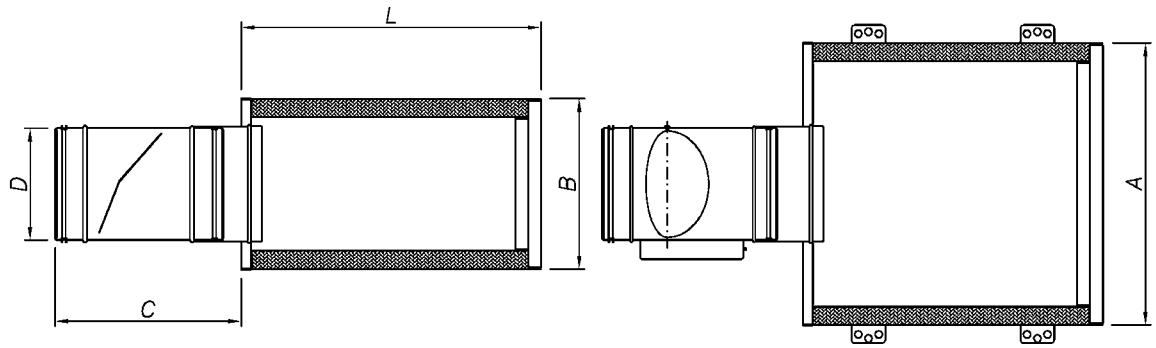
L_{PA}: Sound pressure level of the regenerated noise, in dB(A), considering a room attenuation of –10 dB/oct.

L_{PA2}: Nivel Sound pressure level of the radiated noise, in dB(A), considering a room attenuation of –10 dB/oct.

ΔP_{min}: Minimal differential pressure in Pa.

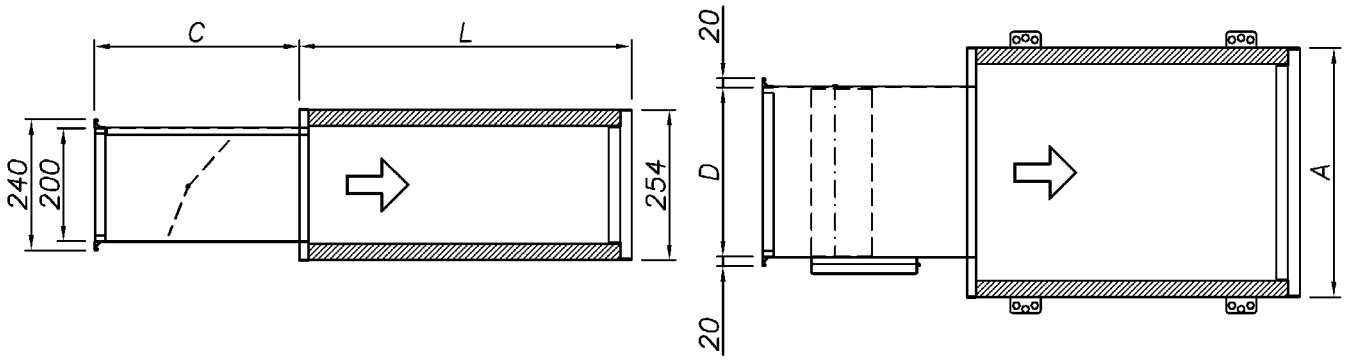
ΔP = 100/500 Pa: Differential pressure in Pa (measured at the inlet and outlet of the unit).

Dimensions



KSV with RCCK

Type	A	B	C	D	L Without lateral outlets	L With lateral oval spigots	KSVL
100	240	254	480	Ø 100	610	915	1360
200	265			Ø 125			
400	300			Ø 160			
600	320			Ø 200			



KSV with RCQK

Type	A	B	C	D	L Without lateral outlets	L With lateral oval spigots	KSVL
800	340	254	485	200	610	915	1360
1200	420			300			
1600	520			400			
2000	585			500			
3000	655			600			

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KOOLAIR, S.L.
Calle Urano, 26
Poligono industrial nº 2 – La Fuensanta
28936 Móstoles - Madrid - (España)
Tel: +34 91 645 00 33
Fax: +34 91 645 69 62
e-mail: info@koolair.com

www.koolair.com