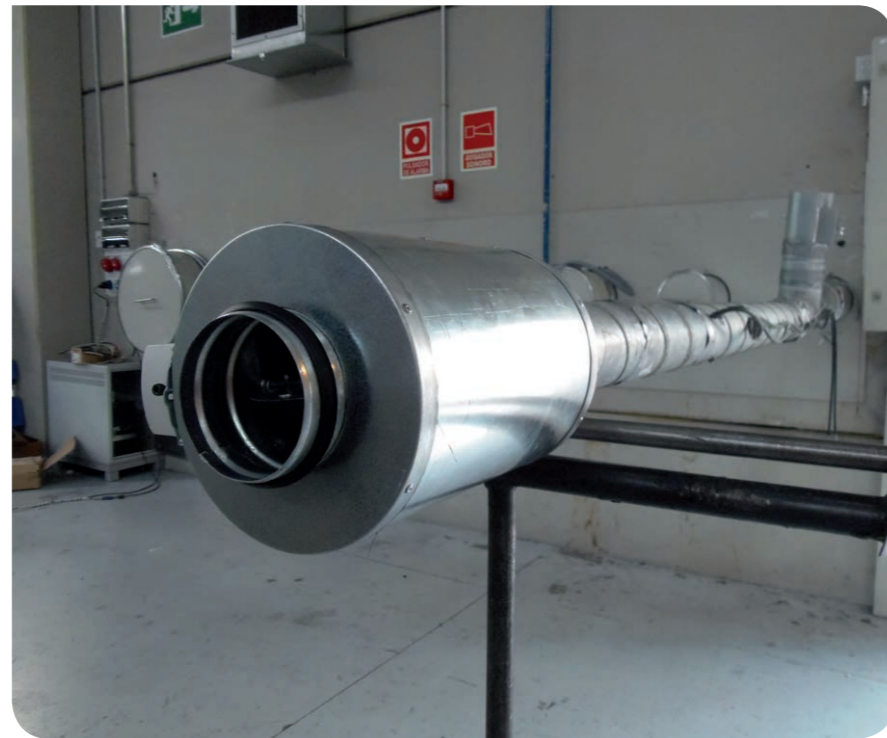


RVV



Catalogue Series RVV



Variable Air Volume Regulator

Product description

Circular Variable Air Volume regulator, KOOLAIR brand, model **RVV**, size Ø_, incorporating an elliptical regulating damper with gasket in its perimeter cruciform sensor measuring differential pressure and proportional actuator, upper and lower limits to be calibrated in factory. RVV variable volume regulator is suitable for both supply and return work, they can incorporate thermal and sound insulation (**RVV-D**). Option to include circular silencer to attenuate regenerated noise in flow rate regulator (**RVV + ASK**).

The variable volume flow controller, model **RVV**, meets the specifications set out in EN 1751, obtaining class "C" (optional) air tightness for the casing of the controller.

Models

RVV. Circular Variable Air Volume regulator.

RVV-D. Circular Variable Air Volume regulator with Thermoacoustic insulation 50mm thickness.

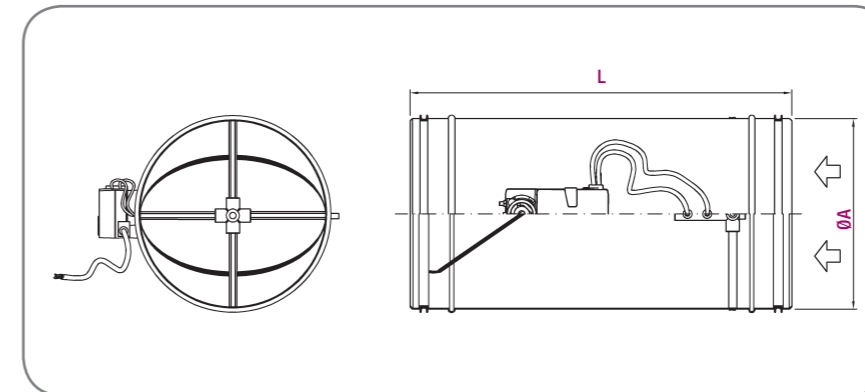
RVV-DL. Circular Variable Air Volume regulator with Thermoacoustic insulation 50mm thickness and enlarge casing.

Accessories

Actuator/Servomotor. Maximum and minimum air-flow must be indicated, as well as actuator brand/model. The minimum pressures for equipment setup depend on the actuator sensor accuracy.

Note: Possibility of calibration and connecting for the implementation of constant flow and forced closure functions.

General dimensions



Nominal	Ø A	L	
		RVV	RVV-L
80	78	340	690
100	98		
125	123	365	730
160	158	400	800
200	198	440	880
250	248	490	980
315	313	555	1000
355	353	595	
400	398	640	
450	448	690	
500	498	740	
630	628	870	

Unit mm

Selection table

Size	Q (m³/h)	ΔP _{min} (Pa)	Regenerated noise		Radiated noise	
			Sound pressure L _{PA} dB(A)		Sound pressure L _{PA2} dB(A)	
			ΔP = 100 Pa	ΔP = 500 Pa	ΔP = 100 Pa	ΔP = 500 Pa
80	18	2	21	27	<20	29
	162	76	43	49	25	40
	270	210	49	55	27	42
100	28	1	21	30	<20	27
	255	69	44	51	24	38
	425	191	50	56	26	41
125	44	1	<20	25	<20	25
	390	58	45	52	23	38
	650	161	51	57	26	40
160	72	1	24	35	<20	24
	645	50	46	53	23	37
	1075	140	51	58	27	41
200	110	3	32	40	<20	25
	1020	43	46	54	24	38
	1700	121	51	59	28	42
250	175	2	32	40	<20	25
	1575	34	46	54	24	39
	2625	96	51	59	28	43
315	280	2	32	41	<20	26
	2520	27	46	54	26	41
	4200	74	50	59	30	45
400	450	1	31	41	<20	28
	4050	18	44	54	29	43
	6750	50	49	58	33	48

Note: Technical data given are for ours RVV & RVV-D.

LEGEND

Q (m³/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}: 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).