

RCP-P

RECTANGULAR CONSTANT FLOW REGULATOR CAV



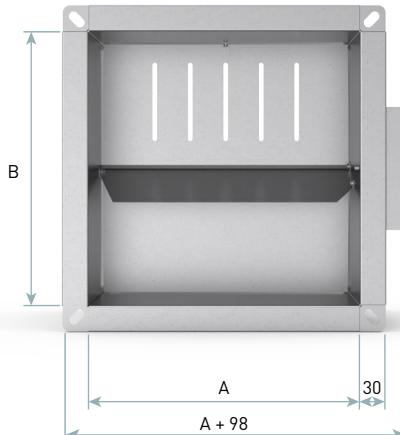
Characteristics:

Rectangular constant air flow regulator CAV, with a mechanical regulator without external power supply.

Key parameters

Function	CAV
Operating range	2-10 m/s
Material	Galvanised or stainless steel 1.4301
Operating pressure range	50-500 Pa (up to 5 m/s), 100-500 Pa (above 5 m/s)
Air tightness class	CX
Regulation accuracy	10% (20% up to 3 m/s)
Operating temperature range	0-50°C

Dimensions



Intended use

The RCP-P CAV regulators are used for automatic constant air flow control in ventilation systems without external power supply. They maintain constant air volumes regardless of the changes of static pressure in the ventilation duct. A special version of the regulator made of AISI304 stainless steel can be ordered. The regulator can be used in both intake and exhaust ventilation ducts.

Design

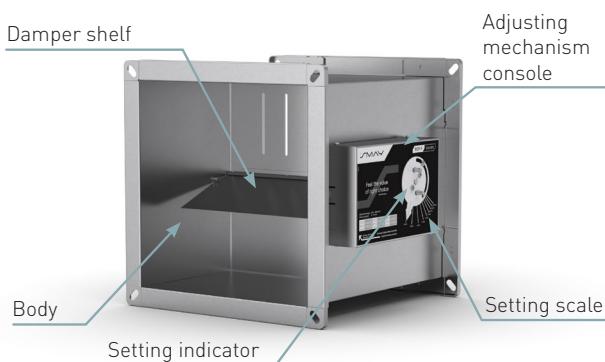


Figure 2. Dimensions of the RCP-P regulator.

Figure 1. RCP-P design.

AIR FLOW CONTROL AND DISTRIBUTION

SO **SN**



Table 1. Specific data of the RCP-P regulator.

RCP-P operating range [m³/h]	Width A [mm]					
	150	200	300	400	500	600
Height B [mm]	100	108-540	144-720			
	150	162-810	216-1080			
	200	216-1080	288-1440	432-2160	576-2880	720-3600
	250			540-2700	720-3600	900-4500
	300			648-3240	864-4320	1080-5400
						1296-6480

Table 2. Minimum operating pressure and regulation accuracy.

RCP-P operating range		
Flow rate v [m/s]	Δpmin [Pa]	ΔV [±%]
2	50	20
3	50	10
4	50	10
5	50	10
6	100	10
7	100	10
8	100	10
9	100	10
10	100	10

Installation Recommendations

The RCP-P regulators should be installed in accordance with the air flow direction which is marked with an arrow on the device's housing.

To ensure the proper operation of the device, please observe the following rules during the installation:

- straight section length before the regulator $2D_h$,
- • straight section length after the regulator $1D_h$.

where D_h means the large side of the regulator.



Figure 3. Recommended way of the RCP-P installation.

The regulator can operate in any position, both in the air supply and air extraction systems. However, it is recommended to install the regulator with the setting console front surface directed to the side, which makes it possible to minimize the adjustment error.

Technical Data

Table 3. Sound power level L_w [dB] and sound pressure level L_{PA} [dB(A)] emitted by the RCP-P regulator.

RCP-P		dP= 100 Pa										dP= 300 Pa										dP= 500 Pa											
		Noise emitted by the flow into the duct										Noise emitted by the flow into the duct										Noise emitted by the flow into the duct											
AxB [mm]	Flow rate	In frequency bands, L_w [dB]								Total L_{PA} [dB(A)]	Through the housing L_{PA} [dB(A)]	In frequency bands, L_w [dB]								Total L_{PA} [dB(A)]	Through the housing L_{PA} [dB(A)]	In frequency bands, L_w [dB]								Total L_{PA} [dB(A)]	Through the housing L_{PA} [dB(A)]		
		v [m/s]	V [m³/h]	V [l/s]	63 Hz	125Hz	250Hz	500Hz	1 kHz	2 kHz	4 kHz	8 kHz																					
150 x 100	2	108	30	40	33	37	35	39	37	32	27	35	24	43	35	40	40	47	51	49	42	47	31	45	35	41	43	50	58	57	49	54	35
	3	162	45	38	33	37	35	39	39	35	27	36	24	41	38	42	42	48	53	51	44	49	32	43	40	44	45	52	60	59	52	56	36
	4	216	60	36	33	37	35	39	41	36	27	37	25	40	40	43	42	49	55	53	46	51	33	41	43	46	46	53	61	60	54	57	38
	5	270	75	35	33	37	35	40	42	38	28	38	25	38	41	44	43	50	56	54	47	52	34	40	45	47	47	54	62	61	56	58	39
	6	324	90	34	33	37	35	40	43	39	28	39	25	37	43	45	44	50	56	55	48	52	35	39	47	49	48	55	63	62	57	59	41
	7	378	105	33	34	37	35	40	44	39	28	39	25	37	44	46	44	51	57	56	48	53	36	38	48	50	49	56	63	63	58	60	42
	8	432	120	33	34	37	35	40	44	40	28	40	25	36	45	46	45	51	58	56	49	54	37	37	50	51	49	56	64	64	59	61	43
	9	486	135	32	34	37	35	40	45	41	28	40	25	35	45	47	45	51	58	57	50	54	38	37	51	52	50	57	65	64	60	61	45
	10	540	150	32	34	37	35	40	46	42	28	41	26	35	46	48	45	52	59	57	50	55	38	36	52	52	50	57	65	65	60	62	46
	2	162	45	41	35	38	37	41	40	34	28	37	25	45	38	42	42	49	53	51	43	49	33	47	39	43	45	52	59	58	51	56	37
150 x 150	3	243	68	40	36	39	37	41	42	37	29	38	26	44	41	44	44	50	55	53	45	51	34	46	44	46	47	54	61	60	53	57	38
	4	324	90	39	36	39	37	42	43	38	30	39	27	44	43	45	45	51	56	54	47	52	35	46	47	48	48	55	62	61	55	58	40
	5	405	113	39	37	39	38	42	44	40	30	40	27	43	45	47	45	51	57	55	48	53	36	45	49	50	49	56	63	62	56	59	41
	6	486	135	38	37	39	38	42	45	41	31	41	27	43	47	48	46	52	58	56	49	54	37	45	51	51	50	56	64	63	57	60	42
	7	567	158	38	38	40	38	42	46	42	31	42	28	42	48	48	46	52	58	57	50	55	38	44	53	52	51	57	64	64	58	61	44
	8	648	180	38	38	40	38	42	47	43	32	42	28	42	49	49	47	53	59	57	50	55	39	44	54	53	51	58	65	64	59	61	45
	9	729	203	37	38	40	38	42	47	44	32	43	28	42	50	50	47	53	60	58	51	56	39	44	55	54	52	58	65	65	60	62	46
	10	810	225	37	38	40	38	43	48	44	32	43	29	42	51	50	48	53	60	59	52	56	40	44	57	55	52	58	66	65	61	62	47
	2	216	60	42	36	39	38	42	41	35	29	38	27	46	40	43	44	50	54	52	44	50	35	48	42	45	46	54	60	59	52	56	38
	3	324	90	42	37	40	39	43	43	38	30	40	27	46	44	45	45	51	56	54	46	52	36	49	46	48	48	55	62	61	54	58	40
150 x 200	4	432	120	42	38	40	39	43	45	40	31	41	28	46	46	47	46	52	57	55	48	53	37	49	50	50	49	56	63	62	55	59	41
	5	540	150	41	39	41	39	43	46	42	32	42	29	46	48	48	47	53	58	56	49	54	38	49	52	52	50	57	63	63	57	60	42
	6	648	180	41	40	41	39	44	47	43	33	43	29	46	50	49	48	53	59	57	50	55	39	49	54	53	51	57	64	64	58	61	43
	7	756	210	41	41	42	40	44	48	44	34	44	30	47	51	50	48	54	59	58	51	55	40	49	56	54	52	58	65	64	59	61	45
	8	864	240	41	41	42	40	44	49	45	34	44	30	47	52	51	48	54	60	58	51	56	40	49	57	55	53	58	65	65	59	62	46
	9	972	270	41	41	42	40	44	49	46	35	45	31	47	53	52	49	54	60	59	52	57	41	49	59	56	53	59	66	65	60	62	46
	10	1080	300	41	42	42	40	44	50	46	35	45	31	47	54	52	49	54	61	59	52	57	42	49	60	57	54	59	66	66	61	63	47
200 x 100	2	144	40	41	34	38	37	40	39	34	28	36	25	45	37	41	42	48	53	50	43	49	33	46	38	43	44	52	59	58	50	55	36
	3	216	60	39	35	38	37	41	41	36	28	38	26	43	40	43	43	49	54	52	45	50	34	45	42	45	46	53	60	60	53	57	38
	4	288	80	39	35	38	37	41	43	38	29	39	26	42	42	45	44	50	56	54	47	52	35	44	45	48	47	54	62	61	55	58	39
	5	360	100	38	36	39	37	41	44	39	30	40	26	42	44	46	45	51	57	55	48	53	36	44	48	49	48	55	63	62	56	59	41
	6	432	120	37	36	39	37	41	45	40	30	40	27	41	45	47	45	51	57	56	49	53	37	43	50	51	49	56	63	63	57	60	42
	7	504	140	37	36	39	37	41	45	41	30	41	27	41	47	48	46	52	58	56	49	54	37	43	51	52	50	57					

RCP-P		dP= 100 Pa												dP= 300 Pa												dP= 500 Pa											
		Noise emitted by the flow into the duct												Noise emitted by the flow into the duct												Noise emitted by the flow into the duct											
AxB [mm]	Flow rate	In frequency bands, L _w [dB]								L _{PA} [dB(A)]	Total	Through the housing	In frequency bands, L _w [dB]								L _{PA} [dB(A)]	Total	Through the housing	In frequency bands, L _w [dB]								L _{PA} [dB(A)]	Total	Through the housing			
		v [m/s]	V [m ³ /h]	V [l/s]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz																									
200 x 200	2 288 80	43	37	40	40	43	43	37	29	40	28	48	42	45	45	51	55	52	45	51	36	50	45	47	48	55	61	60	53	57	40						
	3 432 120	43	39	41	40	44	45	40	31	41	29	49	46	47	47	53	57	54	47	53	37	51	49	50	50	56	63	61	55	59	41						
	4 576 160	44	41	42	41	45	46	42	33	43	30	49	49	49	48	53	58	56	49	54	39	52	52	52	51	57	63	63	56	60	43						
	5 720 200	44	42	43	41	45	48	43	34	44	31	50	51	50	48	54	59	57	50	55	39	53	55	54	52	58	64	63	57	61	44						
	6 864 240	44	43	43	41	45	49	45	35	45	31	50	53	51	49	54	60	58	51	56	40	53	57	55	53	59	65	64	58	61	45						
	7 1008 280	44	43	43	41	46	50	46	36	45	32	51	54	52	50	55	60	59	52	56	41	53	59	56	53	59	65	65	59	62	46						
	8 1152 320	45	44	44	42	46	50	47	36	46	32	51	55	53	50	55	61	59	52	57	42	54	60	57	54	59	66	65	60	62	47						
	9 1296 360	45	45	44	42	46	51	48	37	47	33	51	56	54	50	55	61	60	53	57	42	54	62	58	54	60	66	66	60	63	47						
	10 1440 400	45	45	44	42	46	52	48	38	47	33	51	57	54	51	56	62	60	53	58	43	55	63	59	55	60	66	66	61	63	48						
300 x 200	2 432 120	44	39	41	41	45	45	38	31	41	29	49	45	47	47	53	57	54	47	53	38	52	48	49	50	57	63	61	54	59	43						
	3 648 180	45	42	43	42	46	47	42	33	43	31	52	49	49	49	54	58	56	49	54	39	54	53	52	52	58	64	62	56	60	44						
	4 864 240	47	44	44	43	47	49	44	35	45	32	53	52	51	50	55	59	57	50	56	41	56	57	54	53	59	64	63	57	61	45						
	5 1080 300	48	45	45	43	47	50	46	37	46	33	54	55	52	51	56	60	58	51	56	42	58	59	56	54	60	65	64	58	62	46						
	6 1296 360	48	46	46	44	48	51	47	38	47	34	56	57	54	51	56	61	59	52	57	43	59	61	57	55	60	65	65	59	62	47						
	7 1512 420	49	48	46	44	48	52	48	39	48	35	56	58	55	52	56	61	60	53	58	44	60	63	59	55	60	66	65	59	63	48						
	8 1728 480	49	48	47	44	48	53	49	40	49	35	57	60	56	52	57	62	61	54	58	44	61	65	60	56	61	66	66	60	63	49						
	9 1944 540	50	49	47	45	49	53	50	41	49	36	58	61	56	53	57	62	61	54	59	45	61	66	61	56	61	66	66	60	63	49						
	10 2160 600	50	50	48	45	49	54	51	41	50	37	58	62	57	53	57	63	62	55	59	46	62	68	61	57	61	67	67	61	64	50						
300 x 250	2 540 150	44	40	42	42	46	46	39	31	43	30	50	47	48	49	54	58	54	47	54	39	53	50	50	51	58	64	61	55	60	44						
	3 810 225	47	43	44	43	47	48	43	34	45	32	53	51	50	50	55	59	56	49	55	41	56	55	53	53	59	64	63	56	61	45						
	4 1080 300	48	45	45	44	48	50	45	36	46	33	55	55	52	51	56	60	58	51	56	42	59	59	56	54	60	65	64	57	61	47						
	5 1350 375	50	47	46	45	48	51	47	38	47	35	57	57	54	52	57	61	59	52	57	43	61	62	57	55	60	65	65	58	62	48						
	6 1620 450	51	49	47	45	49	52	48	40	48	35	58	59	55	52	57	62	60	53	58	44	62	64	59	56	61	66	65	59	63	48						
	7 1890 525	51	50	48	46	49	53	50	41	49	36	60	61	56	53	57	62	61	54	59	45	63	66	60	57	61	66	66	60	63	49						
	8 2160 600	52	51	48	46	50	54	51	42	50	37	61	62	57	54	58	63	61	54	59	46	64	67	61	57	61	66	66	60	63	50						
	9 2430 675	53	52	49	46	50	55	52	43	51	38	61	63	58	54	58	63	62	55	60	46	65	69	62	58	62	67	67	61	64	51						
	10 2700 750	53	53	49	46	50	55	53	43	51	39	62	65	59	54	58	63	62	55	60	47	66	70	63	58	62	67	67	61	64	51						
300 x 300	2 648 180	45	40	42	43	47	47	40	32	43	31	51	48	49	49	55	59	55	48	55	40	54	52	51	52	59	64	62	55	60	46						
	3 972 270	48	44	44	44	48	49	44	35	45	33	55	53	51	51	56	60	57	50	56	42	58	57	55	54	60	65	63	57	61	46						
	4 1296 360	50	47	46	45	49	51	46	37	47	34	57	56	53	52	57	61	58	51	57	43	61	61	57	55	61	65	64	58	62	48						
	5 1620 450	51	49	47	46	49	52	48	39	48	36	59	59	55	53	57	62	60	53	58	45	63	64	59	56	61	66	65	59	62	49						
	6 1944 540	52	50	48	46	50	53	50	41	49	37	61	61	56	53	58	62	60	53	59	45	65	66	60	57	61	66	66	59	63	50						
	7 2268 630	53	52	49	47	50	54	51	42	50	38	62	63	57	54	58	63	61	54	59	46	66	68	61	57	62	67	66	60	63	51						
	8 2592 720	54	53	50	47	51	55	52	43	51	39	63	64	58	55	58	63	62	55	60	47	67	69	62	58	62	67	66	60	64	51						
	9 2916 810	55	54	50	47	51	56	53	44	52																											

RCP-P		dP= 100 Pa												dP= 300 Pa												dP= 500 Pa											
		Noise emitted by the flow into the duct												Noise emitted by the flow into the duct												Noise emitted by the flow into the duct											
AxB [mm]	Flow rate	In frequency bands, L _w [dB]								Total Through the housing	In frequency bands, L _w [dB]								Total Through the housing	In frequency bands, L _w [dB]								Total Through the housing									
		v [m/s]	V [m ³ /h]	V [l/s]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	L _{PA} [dB(A)]	L _{PA} [dB(A)]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	L _{PA} [dB(A)]	L _{PA} [dB(A)]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	L _{PA} [dB(A)]	L _{PA} [dB(A)]			
400 x 250	2 720 200	45	41	43	44	47	47	40	32	44	32	52	49	49	50	56	59	55	48	55	41	55	53	52	53	60	65	62	56	61	46						
	3 1080 300	48	45	45	45	48	50	44	36	46	33	55	54	52	51	57	60	57	50	56	43	59	58	55	55	61	65	64	57	61	47						
	4 1440 400	50	47	46	46	49	52	47	38	48	35	58	57	54	53	57	61	59	52	57	44	62	62	57	56	61	66	64	58	62	49						
	5 1800 500	52	50	48	46	50	53	49	40	49	36	60	60	56	53	58	62	60	53	58	45	64	65	59	57	61	66	65	59	63	50						
	6 2160 600	53	51	49	47	51	54	50	42	50	38	62	62	57	54	58	63	61	54	59	46	66	67	61	57	62	66	66	59	63	50						
	7 2520 700	55	53	50	47	51	55	52	43	51	39	64	64	58	55	59	63	62	55	59	47	68	69	62	58	62	67	66	60	64	51						
	8 2880 800	56	54	50	48	51	56	53	44	52	40	65	65	59	55	59	63	62	55	60	48	69	71	63	59	62	67	67	60	64	52						
	9 3240 900	57	55	51	48	52	57	54	45	53	40	66	67	60	56	59	64	63	56	60	48	70	72	64	59	63	67	67	61	64	53						
	10 3600 1000	57	56	52	48	52	57	55	46	53	41	67	68	61	56	59	64	63	56	61	49	72	73	65	59	63	67	67	61	65	53						
	2 864 240	46	42	43	45	48	48	41	32	45	32	52	51	50	51	57	60	56	49	56	42	55	55	53	54	61	65	63	56	61	48						
400 x 300	3 1296 360	49	46	46	46	49	51	45	36	47	34	57	55	53	52	58	61	58	51	57	44	60	60	56	56	61	66	64	58	62	48						
	4 1728 480	52	49	47	47	50	53	48	39	49	36	60	59	55	54	58	62	59	52	58	45	64	64	59	57	62	66	65	58	63	50						
	5 2160 600	54	51	49	48	51	54	50	41	50	38	63	62	57	54	59	63	60	53	59	46	67	66	60	58	62	67	66	59	63	51						
	6 2592 720	55	53	50	48	52	55	51	43	51	39	65	64	58	55	59	63	61	54	60	47	69	69	62	58	62	67	66	60	64	52						
	7 3024 840	57	55	51	49	52	56	53	44	52	40	66	66	59	56	59	64	62	55	60	48	71	71	63	59	63	67	67	60	64	53						
	8 3456 960	58	56	52	49	53	57	54	46	53	41	68	67	60	56	60	64	63	56	61	49	72	73	64	59	63	67	67	60	64	53						
	9 3888 1080	59	57	52	49	53	58	55	47	54	42	69	69	61	57	60	64	63	56	61	50	74	74	65	60	63	67	67	61	65	54						
	10 4320 1200	60	58	53	50	53	58	56	48	54	43	70	70	62	57	60	65	64	57	61	51	75	75	66	60	63	68	68	61	65	55						
	2 720 200	45	41	43	44	47	47	40	32	44	32	52	49	49	50	56	59	55	48	55	41	55	53	52	53	60	65	62	56	61	46						
	3 1080 300	48	45	45	45	48	50	44	36	46	33	55	54	52	51	57	60	57	50	56	43	59	58	55	55	61	65	64	57	61	47						
500 x 200	4 1440 400	50	47	46	46	49	52	47	38	48	35	58	57	54	53	57	61	59	52	57	44	62	62	57	56	61	66	64	58	62	49						
	5 1800 500	52	50	48	46	50	53	49	40	49	36	60	60	56	53	58	62	60	53	58	45	64	65	59	57	61	66	65	59	63	50						
	6 2160 600	53	51	49	47	51	54	50	42	50	38	62	62	57	54	58	63	61	54	59	46	66	67	61	57	62	66	65	59	63	50						
	7 2520 700	55	53	50	47	51	55	52	43	51	39	64	64	58	55	59	63	62	55	59	47	68	69	62	58	62	67	66	60	64	51						
	8 2880 800	56	54	50	48	51	56	53	44	52	40	65	65	59	55	59	63	62	55	60	48	69	71	63	59	62	67	67	60	64	52						
	9 3240 900	57	55	51	48	52	57	54	45	53	40	66	67	60	56	59	64	63	56	60	48	70	72	64	59	63	67	67	61	64	53						
	10 3600 1000	57	56	52	48	52	57	55	46	53	41	67	68	61	56	59	64	63	56	61	49	72	73	65	59	63	67	67	61	65	53						
	2 900 250	46	42	43	45	48	49	41	33	45	33	53	51	50	51	57	60	56	49	56	42	56	55	53	54	61	65	63	57	61	48						
	3 1350 375	50	46	46	46	50	51	45	37	47	34	57	56	53	53	58	61	58	51	57	44	61	60	57	56	62	66	64	58	62	49						
500 x 250	4 1800 500	52	49	48	47	51	53	48	39	49	36	60	59	55	54	58	62	60	52	58	46	64	64	59	57	62	66	65	59	63	50						
	5 2250 625	54	51	49	48	51	54	50	41	50	38	63	62	57	55	59	63	61	54	59	47	67	67	61	58	62	67	66	59	63	51						
	6 2700 750	56	53	50	48	52	55	52	43	51	39	65	64	58	55	59	63	62	54	60	48	69	69	62	58	63	67	66	60	64	52						
	7 3150 875	57	55	51	49	52	56	53	45	52	40	67	66	59	56	60	64	62	55	60	49	71	71	63	59	63	67	67	60	64	53						
	8 3600 1000	58	56	52	49	53	57	54	46	53	41	68	68	60	56	60	64	63	56	61	50	73	73	64	60	63	67	67	61	64	54						
	9 4050 1125	59	58	53	50	53	58	55	47	54	42	70	69	61	57	60	64	64	57	61	50	74	75	65	60	63	67	67	61	65	54						
	10 4500 <																																				

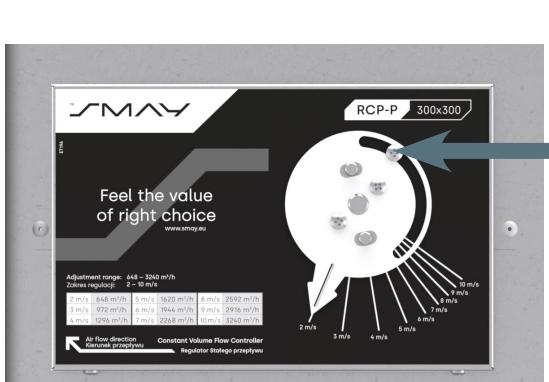
RCP-P			dP= 100 Pa												dP= 300 Pa												dP= 500 Pa											
			Noise emitted by the flow into the duct												Noise emitted by the flow into the duct												Noise emitted by the flow into the duct											
AxB [mm]	Flow rate	v [m/s]	In frequency bands, L _w [dB]								Total Through the housing	In frequency bands, L _w [dB]								Total Through the housing	In frequency bands, L _w [dB]								Total Through the housing									
			V [m ³ /h]	V [l/s]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	L _{PA} [dB(A)]	L _{PA} [dB(A)]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	L _{PA} [dB(A)]	L _{PA} [dB(A)]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	L _{PA} [dB(A)]	L _{PA} [dB(A)]				
600 x 200	2	864	240	46	42	43	45	48	48	41	32	45	32	52	51	50	51	57	60	56	49	56	42	55	55	53	54	61	65	63	56	61	48					
	3	1296	360	49	46	46	46	49	51	45	36	47	34	57	55	53	52	58	61	58	51	57	44	60	60	56	56	61	66	64	58	62	48					
	4	1728	480	52	49	47	47	50	53	48	39	49	36	60	59	55	54	58	62	59	52	58	45	64	64	59	57	62	66	65	58	63	50					
	5	2160	600	54	51	49	48	51	54	50	41	50	38	63	62	57	54	59	63	60	53	59	46	67	66	60	58	62	67	66	59	63	51					
	6	2592	720	55	53	50	48	52	55	51	43	51	39	65	64	58	55	59	63	61	54	60	47	69	69	62	58	62	67	66	60	64	52					
	7	3024	840	57	55	51	49	52	56	53	44	52	40	66	66	59	56	59	64	62	55	60	48	71	71	63	59	63	67	67	60	64	53					
	8	3456	960	58	56	52	49	53	57	54	46	53	41	68	67	60	56	60	64	63	56	61	49	72	73	64	59	63	67	67	60	64	53					
	9	3888	1080	59	57	52	49	53	58	55	47	54	42	69	69	61	57	60	64	63	56	61	50	74	74	65	60	63	67	67	61	65	54					
	10	4320	1200	60	58	53	50	53	58	56	48	54	43	70	70	62	57	60	65	64	57	61	51	75	75	66	60	63	68	68	61	65	55					
	2	1080	300	46	43	44	45	49	50	42	33	46	33	53	52	51	52	58	61	57	50	57	44	57	57	54	55	62	66	63	57	62	50					
600 x 250	3	1620	450	51	47	47	47	50	52	46	37	48	35	59	57	54	54	59	62	59	52	58	45	62	62	58	57	62	66	64	58	63	50					
	4	2160	600	53	50	48	48	51	54	49	40	50	37	62	61	56	55	59	63	60	53	59	47	66	66	60	58	63	67	65	59	63	52					
	5	2700	750	56	53	50	49	52	55	51	43	51	39	65	64	58	56	60	63	61	54	60	48	69	69	62	59	63	67	66	60	64	53					
	6	3240	900	58	55	51	50	53	56	53	45	52	40	67	66	59	56	60	64	62	55	60	49	72	71	63	59	63	67	66	60	64	54					
	7	3780	1050	59	57	52	50	53	57	54	46	53	42	69	68	61	57	60	64	63	56	61	50	74	73	64	60	63	67	67	60	64	55					
	8	4320	1200	61	58	53	51	54	58	55	48	54	43	71	70	62	57	61	65	64	57	61	51	76	75	66	61	64	68	67	61	65	55					
	9	4860	1350	62	60	54	51	54	59	57	49	55	44	73	71	62	58	61	65	64	57	62	52	78	77	66	61	64	68	68	61	65	56					
	10	5400	1500	63	61	55	51	55	60	58	50	56	45	74	73	63	58	61	65	65	58	62	52	79	78	67	61	64	68	68	61	65	57					
	2	1296	360	47	43	44	46	50	51	43	34	47	34	54	54	52	53	59	62	57	50	57	45	58	58	56	56	63	67	64	58	63	51					
	3	1944	540	52	48	47	48	51	53	47	38	49	36	60	59	55	55	59	63	59	52	59	46	64	64	59	58	63	67	65	59	63	52					
600 x 300	4	2592	720	55	52	49	49	52	55	50	41	51	39	64	63	57	56	60	63	61	54	60	48	68	68	61	59	64	67	66	59	64	53					
	5	3240	900	57	55	51	50	53	56	52	44	52	40	67	66	59	57	60	64	62	55	60	49	72	71	63	60	64	67	66	60	64	54					
	6	3888	1080	59	57	52	51	54	58	54	46	53	42	70	68	61	57	61	64	63	56	61	50	75	73	64	60	64	68	67	60	65	55					
	7	4536	1260	61	59	53	51	55	58	55	48	55	43	72	70	62	58	61	65	63	56	62	52	77	75	66	61	64	68	67	61	65	56					
	8	5184	1440	63	60	54	52	55	59	57	49	55	44	74	72	63	58	61	65	64	57	62	52	79	77	67	61	64	68	68	61	65	57					
	9	5832	1620	64	62	55	52	56	60	58	50	56	45	76	73	64	59	62	65	65	58	63	53	81	79	68	62	64	68	68	61	66	58					
	10	6480	1800	65	63	56	53	56	61	59	52	57	47	77	75	65	59	62	66	65	58	63	54	83	80	68	62	64	68	68	61	66	59					

The sound pressure level accounts for the room and ceiling attenuation for a reference room, which was assumed to be 8 dB. Actual parameters may vary, depending on the conditions.

For the sound performance data for other pressures and flow rates, including the sound power level in individual frequency bands, please contact the SMAY engineering department.

Regulator settings change

The user can change the set point settings. To change the regulator settings, loosen the locking screw, change the set point and tighten the screw again:



RCP-P – Rectangular Constant Flow Regulator CAV

When ordering, please provide information, according to the following pattern:

RCP-P <A> x - <V1> - <P>

Where:

- A** Clear width (mm)
- B** Clear height (mm)
- V1** Air flow value (factory setting)
- P** Material*

none - galvanised steel

SN - stainless steel

* Default value – if there is no information for the given parameter, default values are applied.

Order example:

RCP-P-300x200-570

(RCP-P regulator with dimensions of 300×200 mm, with the air flow set point of 570 m³/h set at the factory).