



REGULATION COSTANT FLOW

RPM-K - RPC-K - RDR - ALIZE AUTO SERIES



DIFUSIÓN Y VENTILACIÓN

REGULATION
COSTANT FLOW

RPM-K

RPC-K

RDR

ALIZE AUTO

Air flow regulator, with constant flow. Circular

Air flow regulator, with constant flow. Square

Air flow regulator

Air flow regulator



RPM-K



RPC-K



RDR



ALIZE AUTO



RPM-K SERIES

CONSTANTAIR VOLUME CONTROLLER



Model RPM-K. Air flow regulators with constant flow (CAV) are designed for regulating of air supply or air exhaust in ventilation systems. They can be installed in a horizontal, vertical or inclined positions. To ensure proper operation, the regulator (CAV) must be installed with horizontal position of its blade's axis. The aerodynamic forces acting on the regulator blade due to the flow are balanced by the control device, which is set according to the required flow.

Adjustment of required flow is simply performed by lever with a pointer and scale. Mechanical controllers need not be connected to any external power source. The controller consists of the casing of the controller with a control blade and control device. Control device is placed inside of box with scale for adjustment of required flow. Accuracy of the scale is $\pm 5\%$.

Characteristics:

- Nominal size DN 80 a DN 400
- Length L = 450
- Thickness acc. to EN 1751. External casing leakage class C
- Air flow volume 50 a 4 500 m /h
- Accuracy $\pm 15\text{-}20\%$ for air velocities less than 4m/s
- $\pm 10\%$ for air velocities more than 4m/s
- Pollution, deformation of the damper body or non-steady air circulation in the all cross section of the damper can bring bigger inaccuracy.

Dimensions:

ø80 to ø400

Working conditions:

- The faultless functioning of the controllers is ensured under the following conditions:
 - a) maximum speed of air flow 10 m/s
 - b) maximum pressure in the duct 1000 Pa
 - c) the air circulation in the whole controller section must be secured as steady on whole surface
- Controllers are designed for macroclimatic areas with mild climate according to EN 60 721-3-3.
- Controllers are suitable for systems without abrasive, chemical and adhesive particles.
- Temperature in the place of installation is permitted to range from 0°C to + 50°C.

Models:

- RPM-K.01**
- RPM-K.45**
- RPM-K.46**
- RPM-K.55**
- RPM-K.56**
- RPM-K.57**

* see model descriptions in table.

* Models:

- RPM-K.01** Manually controlled
- RPM-K.45** Actuating mechanism 230V, open-close control
- RPM-K.46** Actuating mechanism 230V, open-close control, with limit switch
- RPM-K.55** Actuating mechanism 24V, open-close control
- RPM-K.56** Actuating mechanism 24V, open-close control, with limit switch
- RPM-K.57** Actuating mechanism 24V SR modulating control

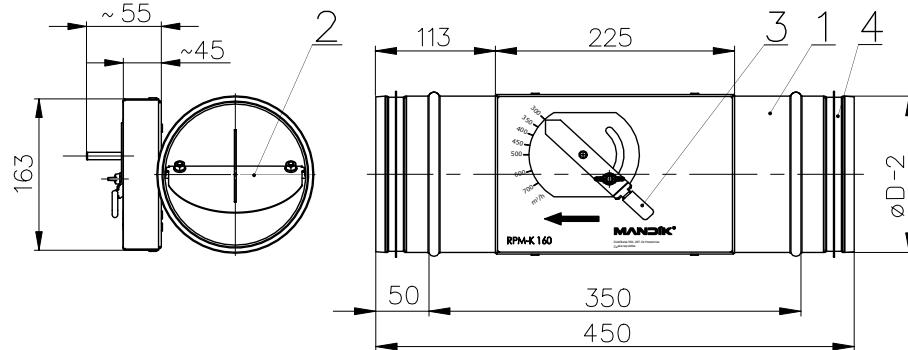
RPM-K SERIES

CONSTANTAIR VOLUME
CONTROLLER



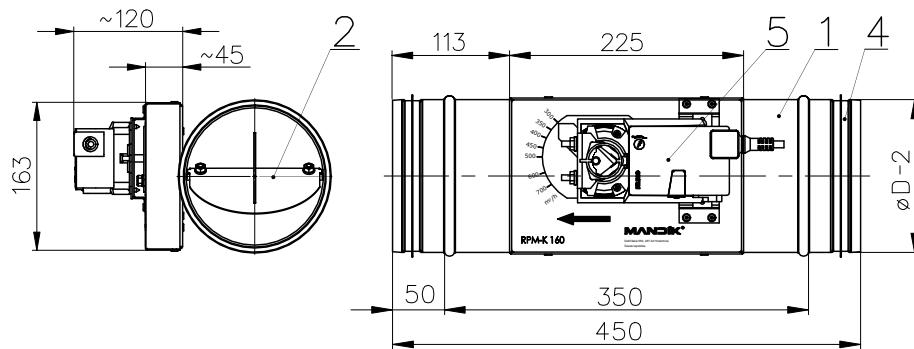
RPM-K.01

- 1 Controller casing
- 2 Controller blade
- 3 Lever
- 4 Rubber sealing
- 5 Flange



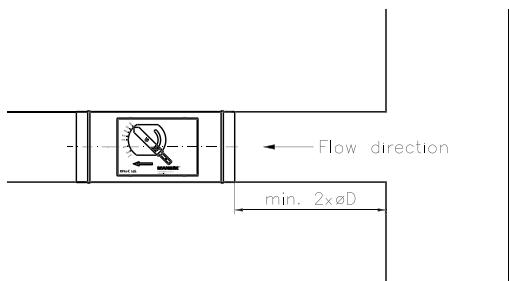
RPM-K.45 / .55

- 1 Controller casing
- 2 Controller blade
- 3 Lever
- 4 Rubber sealing
- 5 Flange



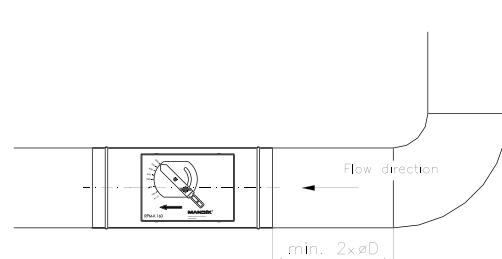
RPM-K

Recomended distance from double branch joint



RPM-K

Recommended distance from bend



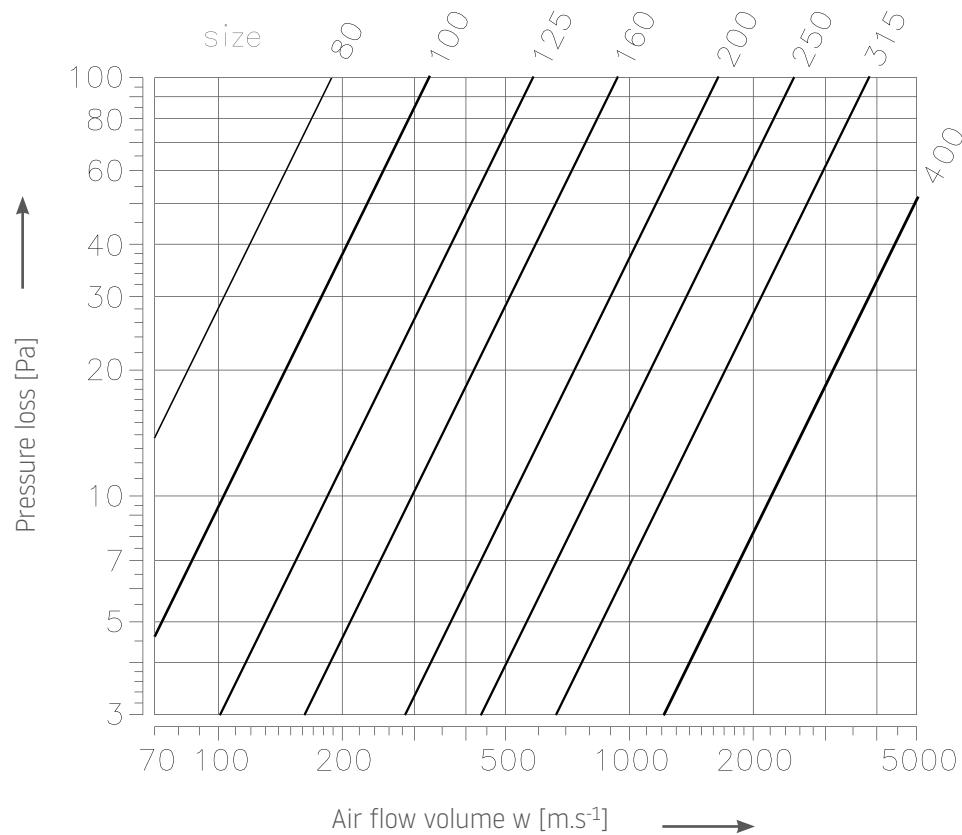
RPM-K SERIES

TECHNICAL DATA



Pressure losses

Pressure losses (the values are valid when the damper of the controller is completely open)



Noise data

The noise arising due to the flow of air volume controller is listed in the following tables

V [$\text{m}^3 \cdot \text{h}^{-1}$] - air flow volume

Δst [Pa] - pressure differential

L_W [dB/Okt.] - level of acoustic power in the octave band

L_{WA} [dB(A)] - total level of acoustic power

corrected by filter A

f_m [Hz] - mean frequencies in the octave bands

RPM-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 50 Pa

$\Delta P_{st} = 50 \text{ Pa}$

Size [mm]	V [m³/h]	L_w [dB/Okt]								L_{WA} [dB(A)]	
		f_m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
80	50	48	38	32	32	35	31	23	<15	38	
	100	54	45	41	38	39	34	28	18	43	
	150	60	52	48	44	43	39	35	23	48	
	200	66	58	54	49	46	42	39	28	52	
100	80	49	39	33	33	36	32	24	<15	39	
	155	56	47	43	40	41	37	30	20	45	
	225	62	54	50	46	45	41	37	26	50	
	300	67	59	56	51	48	44	41	30	54	
125	125	50	40	34	34	37	33	26	<15	40	
	250	58	49	46	43	44	40	33	22	47	
	380	64	56	52	48	47	44	40	28	52	
	500	70	62	58	53	50	46	43	32	56	
160	200	54	44	38	38	41	37	29	18	44	
	430	59	50	46	45	44	40	34	23	48	
	650	65	57	53	49	48	44	40	28	53	
	900	68	61	57	52	49	45	42	31	55	
200	300	53	43	37	37	40	36	29	17	43	
	630	60	51	47	44	45	41	35	24	49	
	960	66	58	54	50	49	45	41	29	54	
	1300	72	64	60	55	52	48	45	34	58	
250	500	54	44	38	38	41	37	29	18	44	
	1000	60	51	47	44	45	41	34	24	49	
	1500	66	58	54	50	49	46	42	30	54	
	2000	72	64	60	55	52	48	45	34	58	
315	800	55	45	39	39	42	38	30	19	45	
	1500	62	53	49	46	47	43	36	25	51	
	2150	66	58	54	50	49	45	41	30	54	
	2800	74	66	62	57	54	50	47	36	60	
400	1200	38	28	22	22	25	21	<15	<15	28	
	2300	41	32	28	25	26	22	15	<15	30	
	3400	44	36	32	28	27	23	19	<15	32	
	4500	47	39	35	30	27	23	20	<15	33	



RPM-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 100 Pa

$$\Delta P_{st} = 100 \text{ Pa}$$

Size [mm]	V [m³/h]	L _w [dB/Okt]								L _{WA} [dB(A)]	
		f _m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
80	50	52	42	36	36	39	35	27	15	42	
	100	58	49	45	42	43	39	32	21	47	
	150	64	56	52	48	47	43	39	27	52	
	200	70	62	58	53	50	46	43	32	56	
100	80	53	43	37	37	40	36	28	16	43	
	155	60	51	47	44	45	41	34	23	49	
	225	66	58	54	50	49	45	41	29	54	
	300	72	64	60	55	52	48	45	34	58	
125	125	55	45	39	39	42	38	30	18	45	
	250	63	54	50	47	48	44	37	26	52	
	380	69	61	57	53	52	48	44	32	57	
	500	74	66	62	57	55	50	47	36	61	
160	200	58	48	42	42	45	41	33	21	48	
	430	64	55	51	48	49	45	38	27	53	
	650	69	61	57	53	52	48	44	32	57	
	900	74	66	62	57	54	50	47	36	60	
200	300	58	48	42	42	45	41	33	21	48	
	630	65	56	52	49	50	46	39	28	54	
	960	70	62	58	54	53	49	45	33	58	
	1300	76	68	64	59	56	52	49	38	62	
250	500	59	49	43	43	46	42	34	22	49	
	1000	65	56	52	49	50	46	39	28	54	
	1500	71	63	59	55	54	50	46	34	59	
	2000	76	68	64	59	56	52	49	38	62	
315	800	60	50	44	44	47	43	35	23	50	
	1500	66	57	53	50	51	47	40	29	55	
	2150	71	63	59	55	54	50	46	34	59	
	2800	78	70	65	59	57	53	51	40	63	
400	1200	67	58	54	51	52	48	41	30	56	
	2300	70	62	58	54	55	51	45	33	59	
	3400	73	65	60	57	58	53	49	36	62	
	4500	76	68	64	60	59	55	51	39	64	

RPM-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 250 Pa

$$\Delta P_{st} = 250 \text{ Pa}$$

Size [mm]	V [m³/h]	L _w [dB/Okt]								L _{WA} [dB(A)]	
		f _m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
80	50	58	48	42	42	45	41	33	21	48	
	100	64	55	51	48	49	45	38	27	53	
	150	70	62	58	54	53	49	45	33	58	
	200	76	68	64	59	56	52	49	38	62	
100	80	59	49	43	43	46	42	34	22	49	
	155	65	56	52	49	50	46	39	28	54	
	225	73	65	61	56	55	52	48	36	60	
	300	77	69	65	60	57	53	50	39	63	
125	125	64	54	48	47	50	47	39	27	53	
	250	69	60	56	53	54	50	43	32	58	
	380	75	67	63	59	58	54	50	38	63	
	500	81	73	69	64	61	58	55	44	67	
160	200	66	56	50	50	53	49	41	29	56	
	430	72	63	59	56	57	53	46	35	61	
	650	77	69	65	61	60	56	52	40	65	
	900	79	73	69	64	63	55	53	42	68	
200	300	67	57	51	51	54	50	42	30	57	
	630	72	63	59	56	57	53	46	35	61	
	960	77	69	65	61	60	56	52	40	65	
	1300	81	73	69	64	61	57	54	43	67	
250	500	68	58	52	52	55	51	43	31	58	
	1000	72	63	59	58	58	53	46	35	62	
	1500	77	69	65	62	61	57	52	40	66	
	2000	82	74	70	65	63	58	55	44	69	
315	800	68	58	52	52	55	51	43	31	58	
	1500	74	65	61	58	59	55	48	37	63	
	2150	78	70	66	62	61	57	53	41	66	
	2800	82	74	70	65	63	58	55	44	69	
400	1200	73	64	58	58	60	57	50	37	64	
	2300	75	67	63	61	62	58	50	38	66	
	3400	77	69	66	63	65	59	51	41	68	
	4500	81	74	70	66	65	61	56	44	70	



RPM-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at pressure difference 500 Pa

$$\Delta P_{st} = 500 \text{ Pa}$$

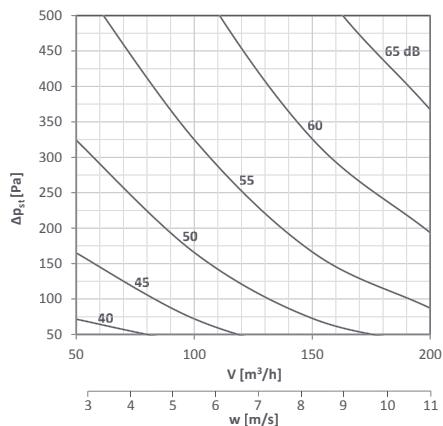
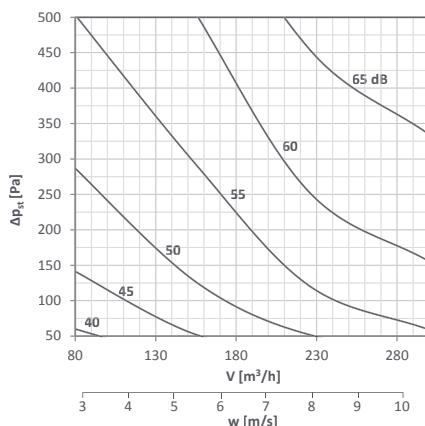
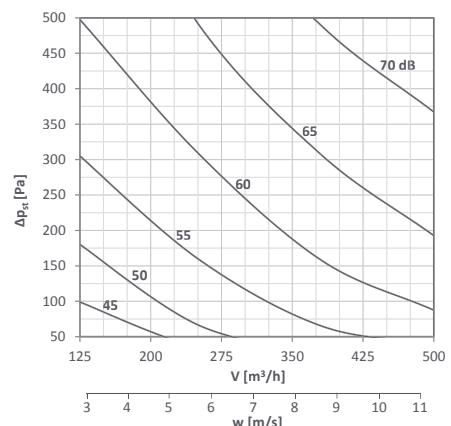
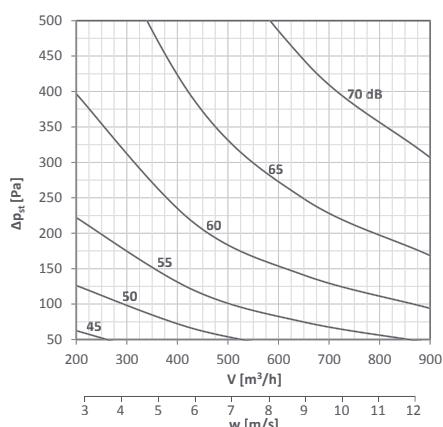
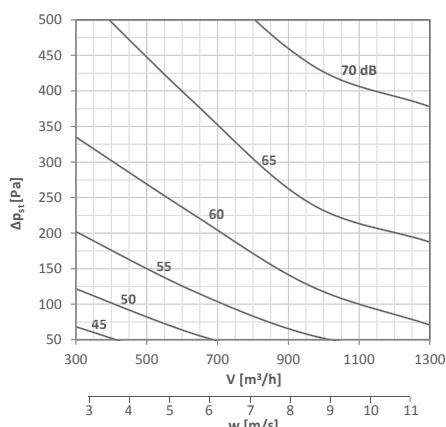
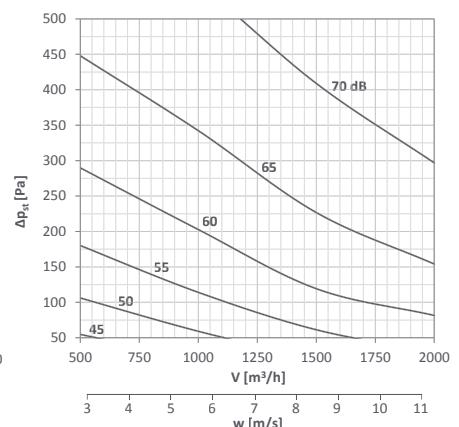
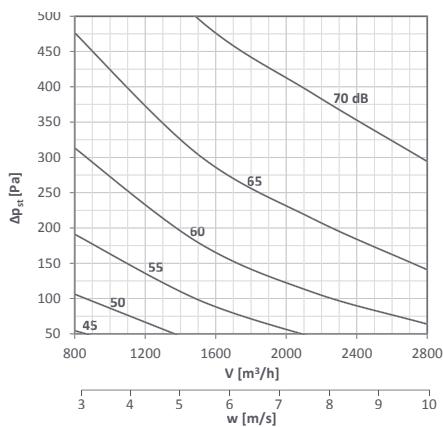
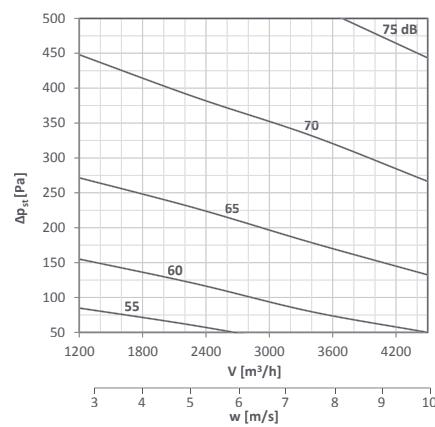
Size [mm]	V [m³/h]	L _w [dB/Okt]								L _{WA} [dB(A)]	
		f _m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
80	50	64	54	48	48	51	47	39	27	54	
	100	70	61	57	54	55	51	44	33	59	
	150	76	68	64	60	59	55	51	39	64	
	200	82	74	70	65	62	58	55	44	68	
100	80	65	55	49	49	52	48	40	28	55	
	155	71	62	58	55	56	52	45	34	60	
	225	78	70	66	62	61	57	53	41	66	
	300	83	75	71	66	63	60	57	46	69	
125	125	71	61	55	54	57	54	46	34	60	
	250	76	67	63	60	61	57	50	39	65	
	380	82	74	70	66	65	61	57	45	70	
	500	87	79	75	70	67	63	60	49	73	
160	200	72	62	56	56	59	55	47	35	62	
	430	79	70	66	63	63	60	53	42	67	
	650	83	75	71	67	66	62	58	46	71	
	900	88	80	76	71	68	64	61	50	74	
200	300	74	64	58	58	61	57	49	37	64	
	630	79	70	66	63	64	60	53	42	68	
	960	83	75	71	67	66	62	58	46	71	
	1300	87	79	75	70	67	63	60	49	73	
250	500	76	66	60	60	63	59	51	39	66	
	1000	80	71	67	64	65	61	54	43	69	
	1500	84	76	72	68	67	63	59	47	72	
	2000	88	80	76	71	68	64	61	50	74	
315	800	76	66	60	60	63	59	51	39	66	
	1500	80	71	67	66	66	61	54	43	70	
	2150	85	77	73	68	67	64	60	48	72	
	2800	88	80	76	71	68	64	61	50	74	
400	1200	79	70	65	66	68	62	53	42	71	
	2300	83	74	70	68	69	65	58	47	73	
	3400	86	76	73	70	71	66	59	48	75	
	4500	88	81	77	73	72	68	64	51	77	

RPM-K SERIES

TECHNICAL DATA



Sound power level Lwa (dB A) inside the pipeline

Ø 80**Ø 100****Ø 125****Ø 160****Ø 200****Ø 250****Ø 315****Ø 400**

RPM-K SERIES

TECHNICAL DATA



Sound power level radiated outside the pipeline - without insulation

The radiated noise of the air volume controller is listed below.

Radiated noise

$V \text{ [m}^3\text{h}^{-1}\text{]}$ - air flow volume

$\Delta_{st} \text{ [Pa]}$ - pressure differential

$L_{WA} \text{ [dB(A)]}$ - total level of acoustic power corrected by filter A

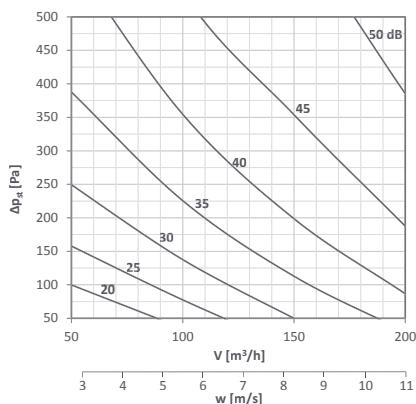
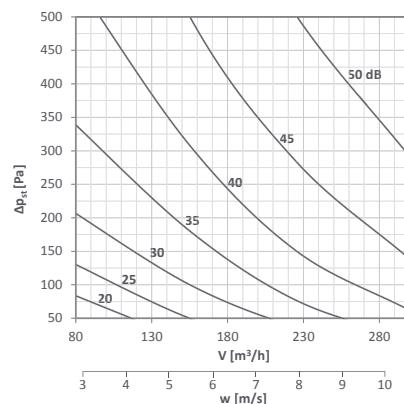
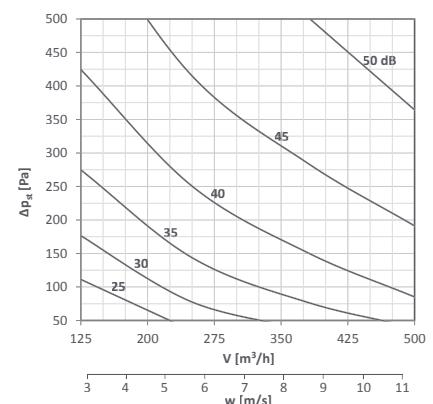
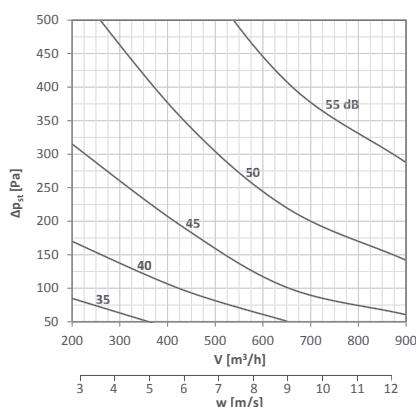
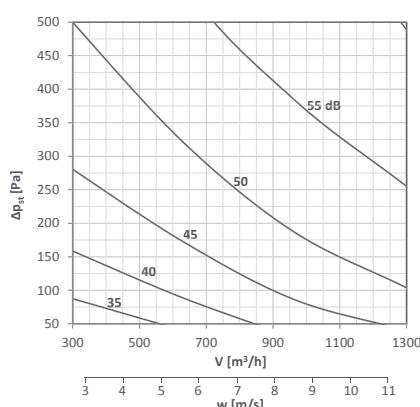
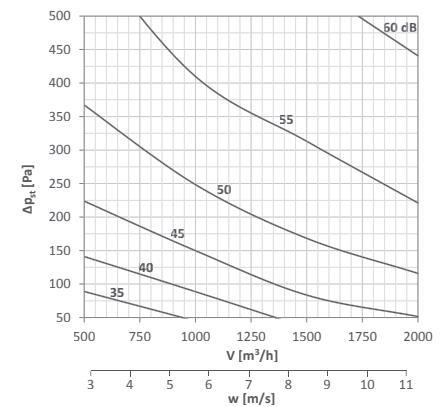
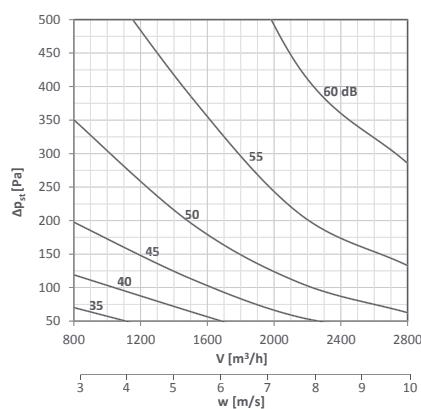
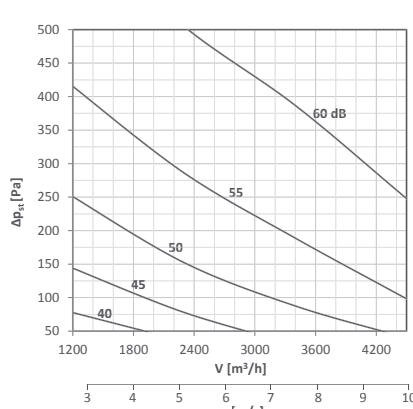
Dimension [mm]	V [m^3/h]	L_{WA} [dB(A)]	L_{WA} [dB(A)]	L_{WA} [dB(A)]	L_{WA} [dB(A)]
		$\Delta P_{st} = 50 \text{ Pa}$	$\Delta P_{st} = 100 \text{ Pa}$	$\Delta P_{st} = 250 \text{ Pa}$	$\Delta P_{st} = 500 \text{ Pa}$
80	100	<15	<15	<15	<15
	150	<15	<15	15	20
	200	<15	<15	17	22
100	80	<15	<15	<15	<15
	155	<15	<15	<15	15
	225	<15	<15	19	22
	300	<15	<15	20	25
125	125	<15	<15	<15	15
	250	<15	<15	15	20
	380	<15	17	24	28
	500	18	21	28	30
160	200	<15	<15	19	22
	430	<15	18	26	30
	650	20	23	32	35
	900	21	25	31	37
200	300	<15	15	20	22
	630	16	19	25	30
	960	22	26	34	38
	1300	25	29	36	40
250	500	<15	15	23	27
	1000	16	20	28	33
	1500	24	28	36	42
	2000	27	31	39	44
315	800	<15	16	22	27
	1500	18	22	28	34
	2150	25	29	35	41
	2800	29	33	38	45
400	1200	19	22	28	32
	2300	24	27	33	37
	3400	30	33	39	43
	4500	33	36	42	46

RPM-K SERIES

TECHNICAL DATA



Sound power level L_{WA} (dB (A)) in the interior of the car - without insulation

Ø 80**Ø 100****Ø 125****Ø 160****Ø 200****Ø 250****Ø 315****Ø 400**

RPMC-K SERIES

CONSTANT AIR
VOLUMEN CONTROLLER



Model RPMC-K. Constant mechanical air volume controllers are meant for input or output air systems. Controllers can be installed in horizontal or vertical position with horizontal blade axis. The aerodynamic forces acting the list due to the flow are compensated by the control device adjusted according required flow. Mechanical controllers need not be connected to any external power source. Adjustment of required flow is simply performed by lever with a pointer and scale. The controller consists of the casing of the controller with a control blade and control device. Control device is placed inside of box with scale for adjustment of required flow. Accuracy of the scale is $\pm 5\%$.

Characteristics:

- Nominal size 200x100 a 600x600
- Length L = 350
- Thickness acc. to EN 1751. External casing leakage class C
- Air flow volume 250 a 12 000 m /h
- Accuracy 10% -15% (on the min./max. positions 20%)

Dimensions:

200X100 to 600x600

Working conditions:

- The faultless functioning of the controllers is ensured under the following conditions:
 - a) maximum speed of air flow 10 m/s
 - b) maximum pressure in the duct 1000 Pa
 - c) the air circulation in the whole controller section must be secured as steady on whole surface
- Controllers are designed for macroclimatic areas with mild climate according to EN 60 721-3-3.
- Controllers are suitable for systems without abrasive, chemical and adhesive particles.
- Temperature in the place of installation is permitted to range from 0°C to + 50°C.

Models:

- RPMC-K.01**
RPMC-K.45
RPMC-K.46
RPMC-K.55
RPMC-K.56
RPMC-K.57

* see model descriptions in table

* **Models:**

- RPMC-K.01** Manually controlled
RPMC-K.45 Actuating mechanism 230V, open-close control
RPMC-K.46 Actuating mechanism 230V, open-close control, with limit switch
RPMC-K.55 Actuating mechanism 24V, open-close control
RPMC-K.56 Actuating mechanism 24V, open-close control, with limit switch
RPMC-K.57 Actuating mechanism 24V SR modulating control

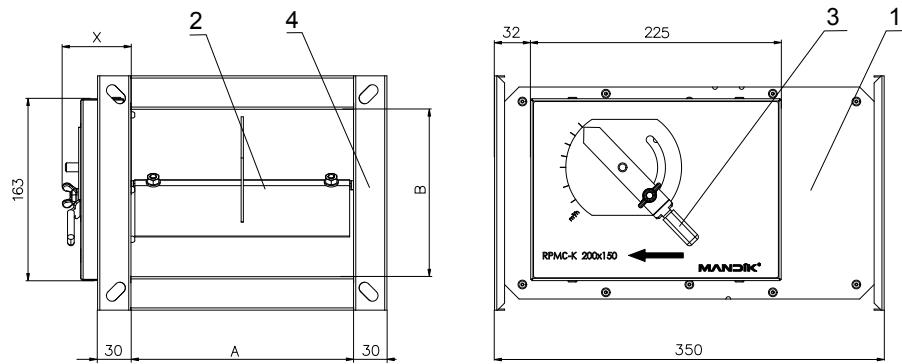
RPMC-K SERIES

CONSTANT AIR
VOLUMEN CONTROLLER



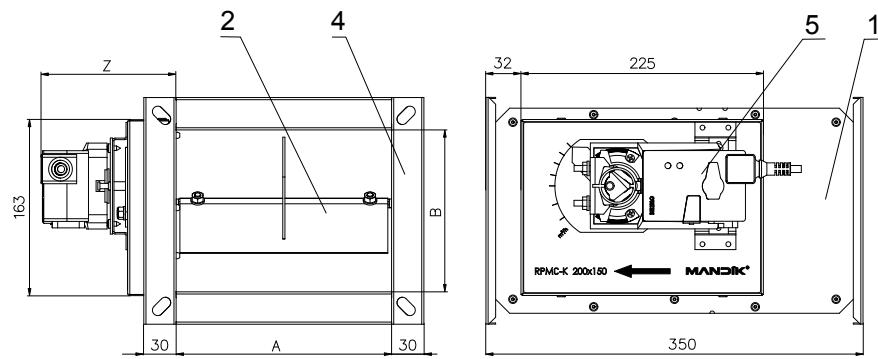
RPMC-K.01

1. Controller cap
2. Controllle blade
3. Lever
4. Tab
5. Actuating mechanism



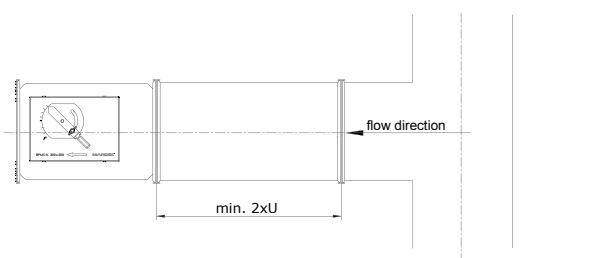
RPMC-K / .55

1. Controller cap
2. Controllle blade
3. Lever
4. Tab
5. Actuating mechanism



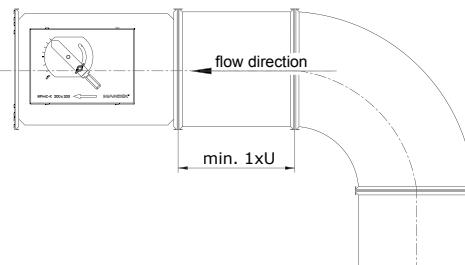
RPMC-K

Recommended distance from
double branch joint



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Recommended distance from bend



*U = diagonal



RPMC-K SERIES

TECHNICAL DATA



Pressure losses

$$\Delta p = \xi \cdot \rho \cdot \frac{w^2}{2}$$

Δp
 w
 ρ
 ξ

[Pa]
[m.s⁻¹]
[kg.m⁻³]
[-]

pressure drop
air flow velocity at the nominal section of the controller
air density
Local pressure loss coefficient for the nominal controller cross section
nominal section of the controller

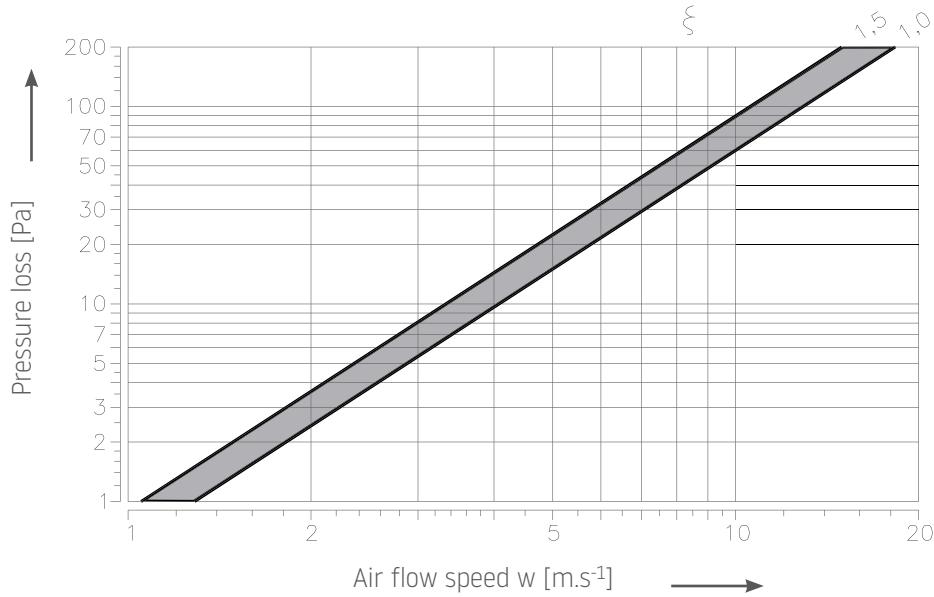
Coefficient of local pressure loss (the values are valid when the damper of the controller is completely open)

Dimensions AxB [mm]	Volume Air [m ³ .h ⁻¹]		ξ
	min.	máx.	
200x100	250	700	1.386
200x150	400	1000	1.379
200x200	500	1300	1.372
300x100	400	1000	1.379
300x150	500	1500	1.368
300x200	600	2000	1.358
300x250	800	2500	1.347
300x300	1000	3000	1.337

Dimensions AxB [mm]	Volume Air [m ³ .h ⁻¹]		ξ
	min.	máx.	
400x200	900	2700	1.344
400x250	1200	3400	1.330
400x300	1500	4200	1.316
400x400	1800	5400	1.288
500x200	1100	3400	1.330
500x250	1500	4200	1.312
500x300	1800	4800	1.295
500x400	2200	6800	1.260

Dimensions AxB [mm]	Volume Air [m ³ .h ⁻¹]		ξ
	min.	máx.	
500x500	3000	8400	1.224
600x200	1500	4000	1.316
600x250	1800	5000	1.295
600x300	2100	6000	1.274
600x400	3000	8000	1.231
600x500	3600	10000	1.189
600x600	4200	12000	1.147

Pressure losses (the values are valid when the damper of the controller is completely open)



Noise data

The noise arising due to the flow of air volume controller is listed in the following tables

V [m³h⁻¹] - air flow volume

Δst [Pa] - pressure differential

L_W [dB(Okt.)] - level of acoustic power in the octave band

L_{WA} [dB(A)] - total level of acoustic power

corrected by filter A

f_m [Hz] - mean frequencies in the octave bands

RPMC-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at a pressure difference of 50 Pa

$\Delta P_{st} = 50 \text{ Pa}$

Size [mm]	V [m³/h]	L_w [dB/Okt]								L_{WA} [dB(A)]	
		f_m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
200x100	250	39	38	34	34	35	36	35	33	42	
	400	44	43	41	40	39	41	41	38	47	
	550	43	45	44	43	45	43	44	40	50	
	700	47	46	47	47	48	46	47	41	53	
200x150	400	42	41	37	37	37	38	38	35	44	
	600	44	43	42	43	42	42	42	39	49	
	800	45	46	45	45	46	45	46	43	52	
	1000	49	49	48	48	49	48	48	44	55	
200x200	500	42	41	37	37	37	38	38	35	44	
	765	45	44	42	41	40	42	42	39	48	
	1035	44	46	47	46	46	44	44	38	51	
	1300	47	46	47	48	48	47	47	39	54	
300x100	400	45	44	40	40	40	41	41	38	47	
	600	48	47	45	44	43	45	45	42	51	
	800	48	50	51	50	50	48	48	42	55	
	1000	51	50	51	52	52	51	51	43	58	
300x150	500	42	41	37	37	37	38	38	35	44	
	835	46	45	43	42	41	43	43	40	49	
	1165	47	49	50	49	49	47	47	41	54	
	1500	51	50	51	52	52	51	51	43	58	
300x200	600	44	43	39	39	39	40	40	37	46	
	1065	47	46	44	43	42	44	44	41	50	
	1535	47	49	50	49	49	47	47	41	54	
	2000	52	51	52	53	53	52	52	44	59	
300x250	800	45	44	40	40	40	41	41	38	47	
	1365	49	47	45	44	43	45	45	42	51	
	1935	48	50	51	50	50	48	48	42	55	
	2500	51	50	51	52	52	51	51	43	58	
300x300	1000	45	44	40	40	40	41	41	38	47	
	4665	48	47	45	44	43	45	45	42	51	
	2335	48	50	51	50	50	48	48	42	55	
	3000	51	50	51	52	52	51	51	43	58	
400x200	900	45	44	40	40	40	41	41	38	47	
	1500	47	46	44	44	42	44	44	41	50	
	2100	47	49	50	49	49	47	47	41	54	
	2700	50	49	50	51	51	50	50	42	57	
400x250	1200	46	45	41	41	40	42	42	39	48	
	1935	48	47	45	44	43	45	45	42	51	
	2665	47	49	50	49	49	47	47	41	54	
	3400	50	49	50	51	51	50	50	42	57	
400x300	1500	47	46	42	42	41	43	43	40	49	
	2400	49	48	46	45	44	46	46	43	52	
	3300	49	51	52	51	51	49	49	43	56	
	4200	53	52	53	54	54	53	53	45	60	
400x400	1800	48	48	44	44	43	45	45	42	51	
	3000	51	50	48	47	46	48	48	45	54	
	4200	50	52	53	52	52	50	50	44	57	
	4500	82	74	70	65	62	58	55	44	68	



RPMC-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at a pressure difference of 50 Pa

$$\Delta P_{st} = 50 \text{ Pa}$$

Size [mm]	V [m³/h]	L_w [dB/0kt]								L_{WA} [dB(A)]	
		f_m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
500x200	1100	43	42	38	38	37	39	39	36	45	
	1865	45	43	42	41	39	42	42	39	48	
	2635	44	46	47	46	46	44	44	38	51	
	3400	48	47	48	49	49	48	48	40	55	
500x250	1500	45	44	40	40	39	41	41	38	47	
	2400	48	47	45	44	42	45	45	42	51	
	3300	47	49	50	49	49	47	47	41	54	
	4200	49	48	49	50	50	49	49	41	56	
500x300	1800	46	45	41	41	40	42	42	39	48	
	2800	48	47	45	44	42	45	45	42	51	
	3800	48	50	51	50	50	48	48	42	55	
	4800	51	50	51	52	52	51	51	43	58	
500x400	2200	51	50	46	46	45	47	47	44	53	
	3735	54	53	51	50	47	51	51	48	57	
	5265	53	55	56	55	55	53	53	47	60	
	6800	56	55	56	57	57	56	56	48	63	
500x500	3000	53	52	48	48	48	49	49	46	55	
	4800	56	55	53	52	49	53	53	50	59	
	6600	55	57	58	57	57	55	55	49	62	
	8400	58	57	58	59	59	58	58	50	65	
600x200	1500	43	42	39	39	39	40	40	37	46	
	2335	47	45	43	42	40	43	43	40	49	
	3165	46	48	49	48	48	46	46	40	53	
	4000	49	48	49	50	50	49	49	41	56	
600x250	1800	45	45	41	41	41	42	42	39	48	
	2865	48	47	45	44	42	45	45	42	51	
	3935	47	49	50	49	49	47	47	41	54	
	5000	50	49	50	51	51	50	50	42	57	
600x300	2100	48	47	43	43	43	44	44	41	50	
	3400	49	48	46	45	44	46	46	43	52	
	4700	48	50	51	50	50	48	48	42	55	
	6000	51	50	51	52	52	51	51	43	58	
600x400	3000	51	50	46	46	46	47	47	44	53	
	4665	53	52	50	49	48	50	50	47	56	
	6335	53	55	56	55	55	53	53	47	60	
	8000	55	54	55	56	56	55	55	47	62	
600x500	3600	53	52	48	48	48	49	49	46	55	
	5735	56	55	53	52	51	53	53	50	59	
	7865	55	57	58	57	57	55	55	49	62	
	10000	58	57	58	59	59	58	58	50	65	
600x600	4200	56	55	51	51	51	52	52	49	58	
	6800	58	57	55	54	53	55	55	52	61	
	9400	57	59	60	59	59	57	57	51	64	
	12000	59	58	59	60	60	59	59	51	66	

RPMC-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at a pressure difference of 100 Pa

$\Delta P_{st} = 100 \text{ Pa}$

Size [mm]	V [m³/h]	L_w [dB(Okt)]								L_{WA} [dB(A)]	
		f_m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
200x100	250	46	45	41	41	41	42	42	39	48	
	400	49	48	46	45	44	46	46	43	52	
	550	50	50	51	50	50	48	48	43	55	
	700	52	51	53	52	52	51	51	45	58	
200x150	400	46	45	42	42	42	43	43	39	49	
	600	50	49	47	46	45	47	46	43	53	
	800	51	51	52	51	51	49	49	43	56	
	1000	52	51	52	53	53	52	52	44	59	
200x200	500	48	47	43	43	43	44	44	41	50	
	765	50	49	47	46	45	47	47	44	53	
	1035	49	51	52	51	51	49	49	43	56	
	1300	52	51	52	53	53	52	52	44	59	
300x100	400	49	48	44	44	44	45	45	42	51	
	600	51	50	48	47	46	48	48	45	54	
	800	51	53	54	53	53	51	51	45	58	
	1000	54	53	54	55	55	54	54	46	61	
300x150	500	47	46	42	42	42	43	43	40	49	
	835	51	50	48	47	46	48	48	45	54	
	1165	52	54	55	54	54	52	52	46	59	
	1500	57	55	56	57	57	56	56	48	63	
300x200	600	50	49	45	45	45	46	46	43	52	
	1065	53	52	50	49	48	50	50	47	56	
	1535	53	55	56	55	55	53	53	47	60	
	2000	57	56	57	58	58	57	57	49	64	
300x250	800	51	50	46	46	46	47	47	44	53	
	1365	55	53	51	50	49	51	51	48	57	
	1935	53	55	56	55	55	53	53	47	60	
	2500	56	55	56	57	57	56	56	48	63	
300x300	1000	51	50	46	46	46	47	47	44	53	
	4665	54	53	51	50	49	51	51	48	57	
	2335	54	55	56	55	55	53	53	47	60	
	3000	56	55	56	57	57	56	56	48	63	
400x200	900	51	50	46	46	46	47	47	44	53	
	1500	53	52	50	49	48	50	50	47	56	
	2100	52	54	55	54	54	52	52	46	59	
	2700	55	54	55	56	56	55	55	47	62	
400x250	1200	52	51	47	47	47	48	48	45	54	
	1935	54	53	51	50	49	51	51	48	57	
	2665	53	55	56	55	55	53	53	47	60	
	3400	55	54	55	56	56	55	55	47	62	
400x300	1500	53	52	48	48	48	49	49	46	55	
	2400	55	54	52	51	50	52	52	49	58	
	3300	55	57	58	57	57	55	55	49	62	
	4200	59	58	59	60	60	59	59	51	66	
400x400	1800	55	54	50	50	50	51	51	48	57	
	3000	57	56	54	53	52	54	54	51	60	
	4200	56	58	59	58	58	56	56	50	63	
	5400	60	59	60	61	61	60	60	52	67	



RPMC-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at a pressure difference of 100 Pa

$$\Delta P_{st} = 100 \text{ Pa}$$

Size [mm]	V [m³/h]	L _w [dB/Okt]								L _{WA} [dB(A)]	
		f _m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
500x200	1100	49	48	44	44	44	45	45	42	51	
	1865	51	50	48	47	46	48	48	45	54	
	2635	50	52	53	52	52	50	50	44	57	
	3400	53	52	53	54	54	53	53	45	60	
500x250	1500	51	50	46	46	46	47	47	44	53	
	2400	53	52	50	49	48	50	50	47	56	
	3300	52	54	55	54	54	52	52	46	59	
	4200	54	53	54	55	55	54	54	46	61	
500x300	1800	52	51	47	47	47	48	48	45	54	
	2800	54	53	51	50	49	51	51	48	57	
	3800	53	55	56	55	55	53	53	47	60	
	4800	56	55	56	57	57	56	56	48	63	
500x400	2200	56	55	51	51	51	52	52	49	58	
	3735	59	58	56	55	54	56	56	53	62	
	5265	58	60	61	60	60	58	58	52	65	
	6800	61	60	61	62	62	61	61	53	68	
500x500	3000	58	57	53	53	53	54	54	51	60	
	4800	61	60	58	57	56	58	58	55	64	
	6600	60	62	63	62	62	60	60	54	67	
	8400	62	61	62	63	63	62	62	54	69	
600x200	1500	50	49	45	45	45	46	46	43	52	
	2335	53	51	49	48	47	49	49	46	55	
	3165	51	53	54	53	53	51	51	45	58	
	4000	54	53	54	55	55	54	54	46	61	
600x250	1800	52	51	47	47	47	48	48	45	54	
	2865	54	53	51	50	49	51	51	48	57	
	3935	54	55	56	55	55	53	53	47	60	
	5000	57	55	56	57	57	56	56	48	63	
600x300	2100	53	52	48	48	48	49	49	46	55	
	3400	55	54	52	51	50	52	52	49	58	
	4700	54	56	57	56	56	54	54	48	61	
	6000	56	55	56	57	57	56	56	48	63	
600x400	3000	57	56	52	52	52	53	53	50	59	
	4665	59	58	56	55	54	56	56	53	62	
	6335	58	60	61	60	60	58	58	52	65	
	8000	60	59	60	61	61	60	60	52	67	
600x500	3600	59	58	54	54	54	55	55	52	61	
	5735	61	60	58	57	56	58	58	55	64	
	7865	60	62	63	62	62	60	60	54	67	
	10000	63	62	63	64	64	63	63	55	70	
600x600	4200	61	60	56	56	56	57	57	54	63	
	6800	63	62	60	59	58	60	60	57	66	
	9400	62	64	65	64	64	62	62	56	69	
	12000	63	62	63	64	64	63	63	55	70	

RPMC-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at a pressure difference of 250 Pa

$$\Delta P_{st} = 250 \text{ Pa}$$

Size [mm]	V [m³/h]	L _w [dB/0kt]								L _{WA} [dB(A)]	
		f _m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
200x100	250	54	53	49	49	49	50	50	47	56	
	400	57	56	54	53	52	54	54	51	60	
	550	56	58	59	58	58	56	56	52	63	
	700	59	58	59	60	60	59	59	53	66	
200x150	400	55	54	50	50	50	51	52	49	58	
	600	58	57	55	54	53	55	55	52	61	
	800	57	58	60	58	59	57	57	51	64	
	1000	60	59	61	61	61	60	59	53	67	
200x200	500	56	55	51	51	51	52	52	49	58	
	765	58	57	55	54	53	55	55	52	61	
	1035	57	59	60	59	59	57	57	51	64	
	1300	60	59	60	61	61	60	60	52	67	
300x100	400	56	55	51	51	51	52	52	49	58	
	600	58	57	55	54	53	55	55	52	61	
	800	57	59	60	59	59	57	57	51	64	
	1000	60	59	60	61	61	60	60	52	67	
300x150	500	56	55	51	51	51	52	52	49	58	
	835	59	58	56	55	54	56	56	53	62	
	1165	59	61	62	61	61	59	59	53	66	
	1500	62	61	62	63	63	62	62	54	69	
300x200	600	59	58	54	54	54	55	55	52	61	
	1065	61	60	58	57	56	58	58	55	64	
	1535	61	63	64	63	63	61	61	55	68	
	2000	64	63	64	65	65	64	64	56	71	
300x250	800	60	59	55	55	55	56	56	53	62	
	1365	62	61	59	58	57	59	59	56	65	
	1935	61	63	64	63	63	61	61	55	68	
	2500	64	63	64	65	65	64	64	56	71	
300x300	1000	61	60	56	56	56	57	57	54	63	
	4665	63	62	60	59	58	60	60	57	66	
	2335	62	64	65	64	64	62	62	56	69	
	3000	65	64	65	66	66	65	65	57	72	
400x200	900	61	60	56	56	56	57	57	54	63	
	1500	62	61	59	58	57	59	59	56	65	
	2100	61	63	64	63	63	61	61	55	68	
	2700	63	62	63	64	64	63	63	55	70	
400x250	1200	61	60	56	56	56	57	57	54	63	
	1935	63	62	60	59	58	60	60	57	66	
	2665	61	63	64	63	63	61	61	55	68	
	3400	63	62	63	64	64	63	63	55	70	
400x300	1500	62	61	57	57	57	58	58	55	64	
	2400	64	63	61	60	59	61	61	58	67	
	3300	64	65	66	65	65	63	63	57	70	
	4200	66	65	66	67	67	66	66	58	73	
400x400	1800	64	63	59	59	59	60	60	57	66	
	3000	66	65	63	62	61	63	63	60	69	
	4200	64	66	67	66	66	64	64	58	71	
	5400	67	66	67	68	68	67	67	59	74	



RPMC-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at a pressure difference of 250 Pa

$\Delta P_{st} = 250 \text{ Pa}$

Size [mm]	V [m³/h]	L_w [dB/Okt]								L_{WA} [dB(A)]	
		f_m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
500x200	1100	59	58	54	54	54	55	55	52	61	
	1865	61	60	58	57	56	58	58	55	64	
	2635	59	61	62	61	61	59	59	53	66	
	3400	61	60	61	62	62	61	61	53	68	
500x250	1500	61	60	56	56	56	57	57	54	63	
	2400	62	61	59	58	57	59	59	56	65	
	3300	60	62	63	62	62	60	60	54	67	
	4200	62	61	62	63	63	62	62	54	69	
500x300	1800	62	61	57	57	57	58	58	55	64	
	2800	63	62	60	59	58	60	60	57	66	
	3800	61	63	64	63	63	61	61	55	68	
	4800	63	62	63	64	64	63	63	55	70	
500x400	2200	65	64	60	60	60	61	61	58	67	
	3735	67	66	64	63	62	64	64	61	70	
	5265	66	68	69	68	68	66	66	60	73	
	6800	69	68	69	70	70	69	69	61	76	
500x500	3000	67	66	62	62	62	63	63	60	69	
	4800	69	68	66	65	64	66	66	63	72	
	6600	67	69	70	69	69	67	67	61	74	
	8400	69	68	69	70	70	69	69	61	76	
600x200	1500	59	58	54	54	54	55	55	52	61	
	2335	61	60	58	57	56	58	58	55	64	
	3165	59	61	62	61	61	59	59	53	66	
	4000	62	61	62	63	63	62	62	54	69	
600x250	1800	60	59	55	55	55	56	56	53	62	
	2865	63	61	59	58	57	59	59	56	65	
	3935	61	63	64	63	63	61	61	55	68	
	5000	64	63	64	65	65	64	64	56	71	
600x300	2100	62	61	57	57	57	58	58	55	64	
	3400	63	62	60	59	58	60	60	57	66	
	4700	61	63	64	63	63	61	61	55	68	
	6000	63	62	63	64	64	63	63	55	70	
600x400	3000	65	64	60	60	60	61	61	58	67	
	4665	67	66	64	63	62	64	64	61	70	
	6335	66	68	69	68	68	66	66	60	73	
	8000	68	67	68	69	69	68	68	60	75	
600x500	3600	67	66	62	62	62	63	63	60	69	
	5735	69	68	66	65	64	66	66	63	72	
	7865	68	70	71	70	70	68	68	62	75	
	10000	71	70	71	72	72	71	71	63	78	
600x600	4200	70	69	65	65	65	66	66	63	72	
	6800	71	70	68	67	66	68	68	65	74	
	9400	69	71	72	71	71	69	69	63	76	
	12000	70	69	70	71	71	70	70	62	77	

RPMC-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at a pressure difference of 500 Pa

$$\Delta P_{st} = 500 \text{ Pa}$$

Size [mm]	V [m³/h]	L _w [dB/0kt]								L _{WA} [dB(A)]	
		f _m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
200x100	250	60	59	55	55	55	56	56	53	62	
	400	63	62	60	59	58	60	60	57	66	
	550	64	63	65	64	64	62	62	59	69	
	700	66	65	66	67	67	66	65	61	73	
200x150	400	62	61	57	57	56	58	57	54	64	
	600	64	63	61	60	59	60	60	57	67	
	800	63	65	66	65	65	63	63	57	70	
	1000	66	65	67	67	67	66	66	58	73	
200x200	500	62	61	57	57	57	58	58	55	64	
	765	65	64	62	61	60	62	62	59	68	
	1035	64	66	67	66	66	64	64	58	71	
	1300	67	66	67	68	68	67	67	59	74	
300x100	400	62	61	57	57	57	58	58	55	64	
	600	64	63	61	60	59	61	61	58	67	
	800	63	65	66	65	65	63	63	57	70	
	1000	66	65	66	67	67	66	66	58	73	
300x150	500	62	61	57	57	57	58	58	55	64	
	835	65	64	62	61	60	62	62	59	68	
	1165	65	67	68	67	67	65	65	59	72	
	1500	68	67	68	69	69	68	68	60	75	
300x200	600	65	64	60	60	60	61	61	58	67	
	1065	68	67	65	64	63	65	65	62	71	
	1535	67	69	70	69	69	67	67	61	74	
	2000	70	69	70	71	71	70	70	62	77	
300x250	800	67	66	62	62	62	63	63	60	69	
	1365	69	68	66	65	64	66	66	63	72	
	1935	68	70	71	70	70	68	68	62	75	
	2500	71	70	71	72	72	71	71	63	78	
300x300	1000	68	67	63	63	63	64	64	61	70	
	4665	70	69	67	66	65	67	67	64	73	
	2335	69	71	72	71	71	69	69	63	76	
	3000	72	71	72	73	73	72	72	64	79	
400x200	900	68	67	63	63	63	64	64	61	70	
	1500	70	69	67	66	65	67	67	64	73	
	2100	68	70	71	70	70	68	68	62	75	
	2700	70	69	70	71	71	70	70	62	77	
400x250	1200	67	66	62	62	65	63	63	60	70	
	1935	70	69	67	66	66	67	67	64	73	
	2665	68	70	71	70	66	68	68	62	75	
	3400	70	69	70	71	71	70	70	62	77	
400x300	1500	68	67	63	63	66	64	64	61	71	
	2400	71	70	68	67	67	68	68	65	74	
	3300	69	71	72	71	67	69	69	63	76	
	4200	71	70	71	72	72	71	71	63	78	
400x400	1800	71	69	65	65	68	66	66	63	73	
	3000	73	72	70	69	69	70	70	67	76	
	4200	71	73	74	73	69	71	71	65	78	
	5400	73	72	73	74	74	73	73	65	80	



RPMC-K SERIES

TECHNICAL DATA



Sound power level inside the pipeline at a pressure difference of 500 Pa

$\Delta P_{st} = 500 \text{ Pa}$

Size [mm]	V [m³/h]	L_w [dB/Okt]								L_{WA} [dB(A)]	
		f_m [Hz]									
		63	125	250	500	1000	2000	4000	8000		
500x200	1100	66	65	61	61	64	62	62	59	69	
	1865	67	66	64	63	66	64	64	61	71	
	2635	66	68	69	68	65	66	66	60	73	
	3400	69	68	69	70	66	69	69	61	75	
500x250	1500	67	66	62	62	65	63	63	60	70	
	2400	68	67	65	64	67	65	65	62	72	
	3300	67	69	70	69	66	67	67	61	74	
	4200	70	69	70	71	67	70	70	62	76	
500x300	1800	68	67	63	63	66	64	64	61	71	
	2800	69	68	66	65	68	66	66	63	73	
	3800	68	70	71	70	67	68	68	62	75	
	4800	71	70	71	72	68	71	71	63	77	
500x400	2200	70	69	65	65	68	66	66	63	73	
	3735	72	71	69	68	71	69	69	66	76	
	5265	72	74	75	74	74	72	72	66	79	
	6800	76	75	76	77	74	76	76	68	82	
500x500	3000	74	73	69	69	68	70	70	67	76	
	4800	75	74	72	71	74	72	72	69	79	
	6600	74	76	77	76	76	74	74	68	81	
	8400	77	76	77	78	75	77	77	69	83	
600x200	1500	66	65	61	61	60	62	62	59	68	
	2335	67	66	64	63	66	64	64	61	71	
	3165	66	68	69	68	68	66	66	60	73	
	4000	70	69	70	71	68	70	70	62	76	
600x250	1800	67	66	62	62	61	63	63	60	69	
	2865	68	67	65	64	67	65	65	62	72	
	3935	68	70	71	70	70	68	68	62	75	
	5000	71	70	71	72	72	71	71	63	78	
600x300	2100	68	67	63	63	63	64	64	61	70	
	3400	69	68	66	65	64	66	66	63	72	
	4700	67	69	70	69	69	67	67	61	74	
	6000	69	68	69	70	70	69	69	61	76	
600x400	3000	72	71	67	67	67	68	68	65	74	
	4665	74	73	71	70	69	71	71	68	77	
	6335	73	75	76	75	75	73	73	67	80	
	8000	75	74	75	76	76	75	75	67	82	
600x500	3600	74	73	69	69	69	70	70	67	76	
	5735	75	74	72	71	70	72	72	69	78	
	7865	74	76	77	76	76	74	74	68	81	
	10000	77	76	77	78	78	77	77	69	84	
600x600	4200	76	75	71	71	71	72	72	69	78	
	6800	77	76	74	73	72	74	74	71	80	
	9400	75	77	78	77	77	75	75	69	82	
	12000	76	75	76	77	77	76	76	68	83	

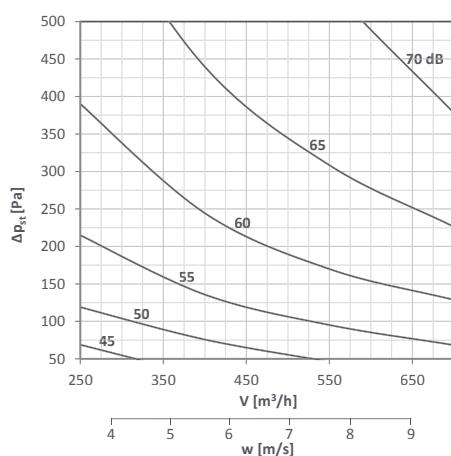
RPMC-K SERIES

TECHNICAL DATA

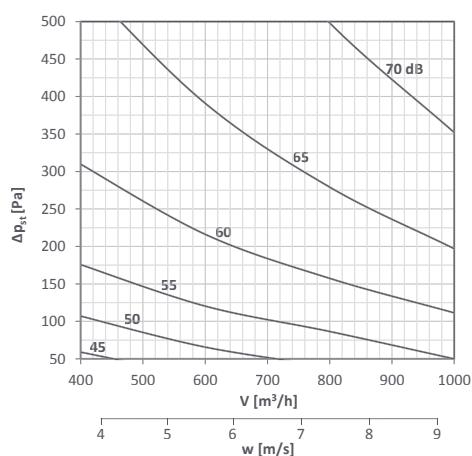


Sound power level L_{wa} [dB (A)] inside the pipeline

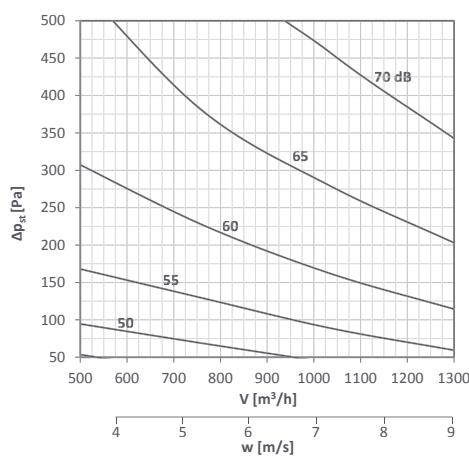
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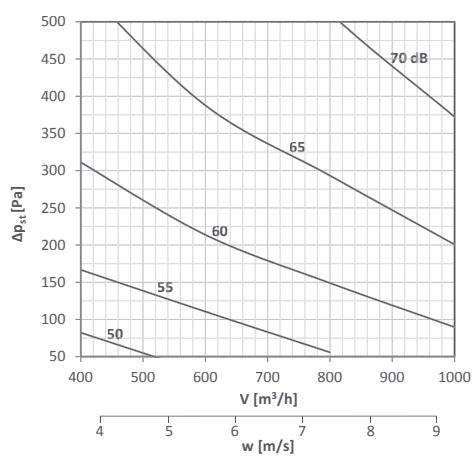
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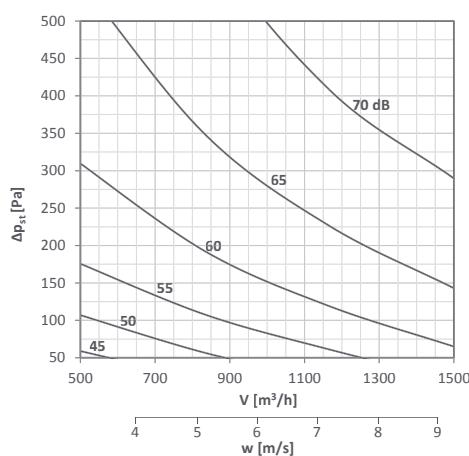
200x200



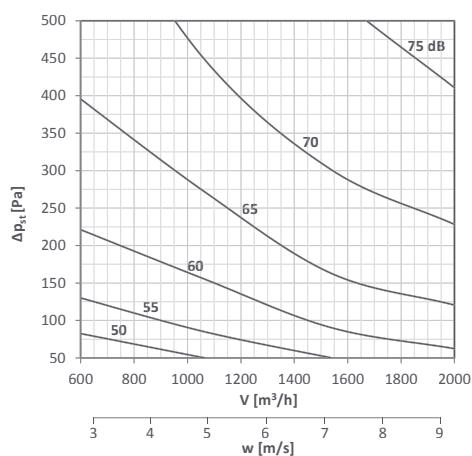
300x100



300x150



300x200



REGULATION
CONSTANT FLOW



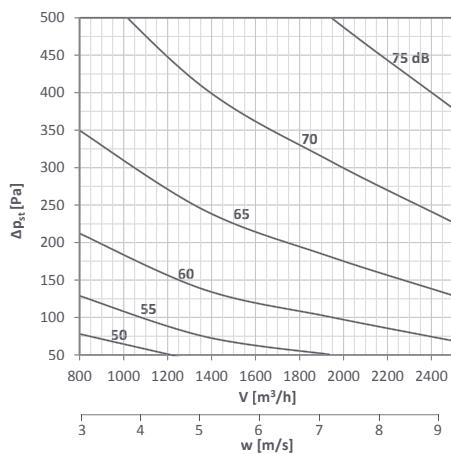
RPMC-K SERIES

TECHNICAL DATA

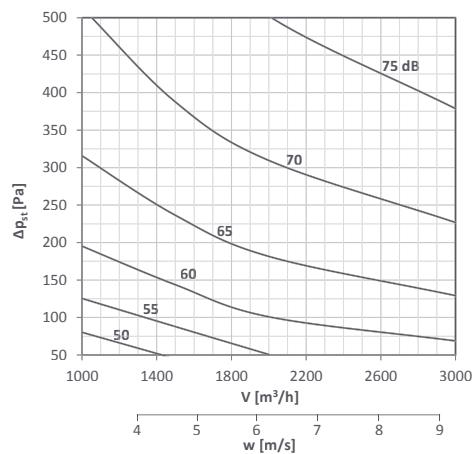


Sound power level L_{wa} [dB (A)] inside the pipeline

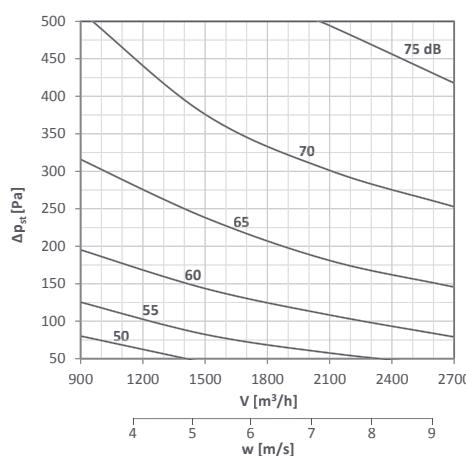
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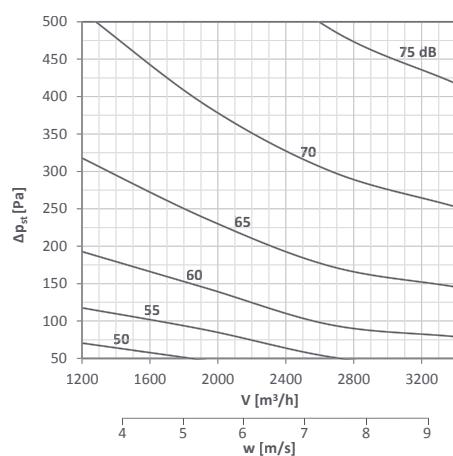
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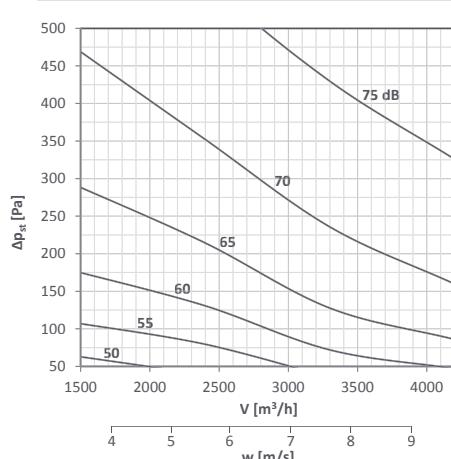
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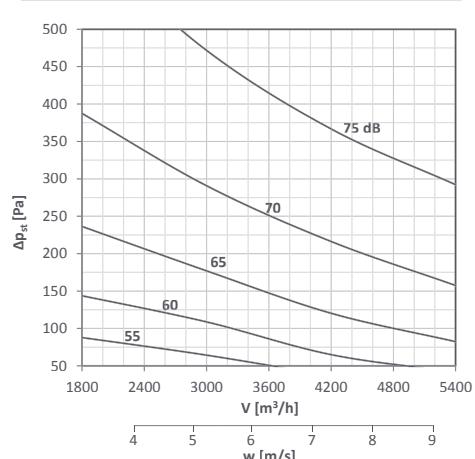
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400x300



400x400



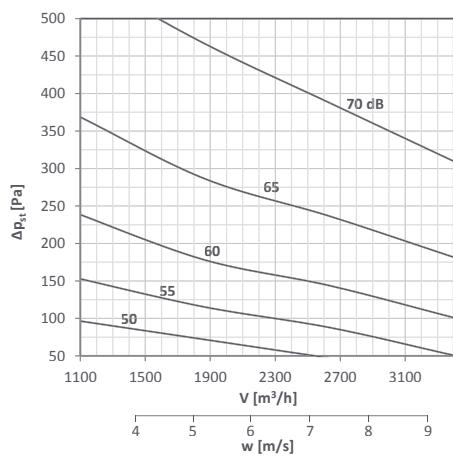
RPMC-K SERIES

TECHNICAL DATA

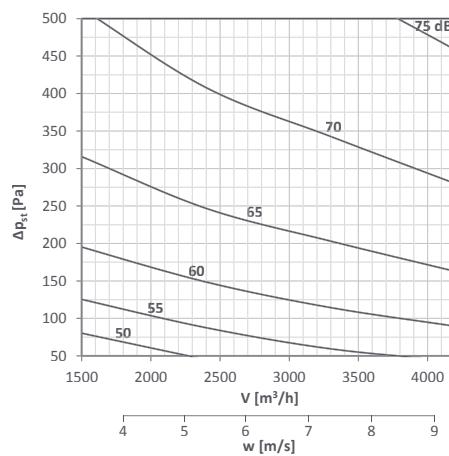


Sound power level L_{wa} [dB (A)] inside the pipeline

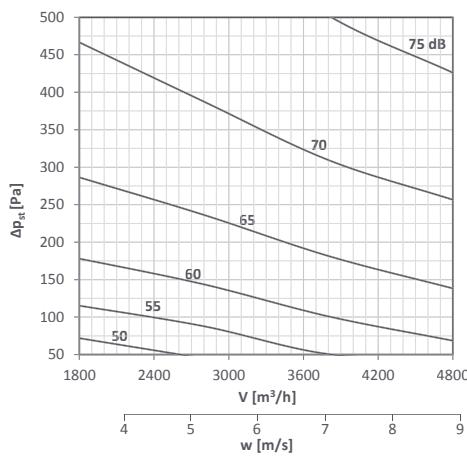
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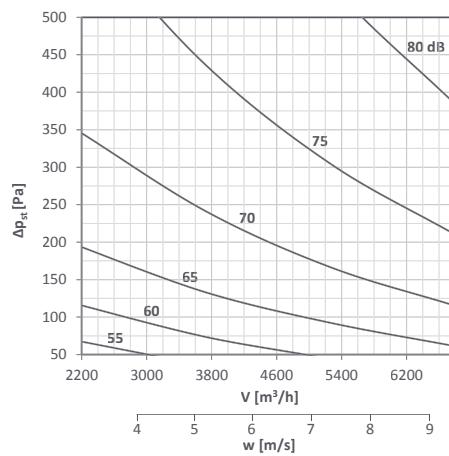
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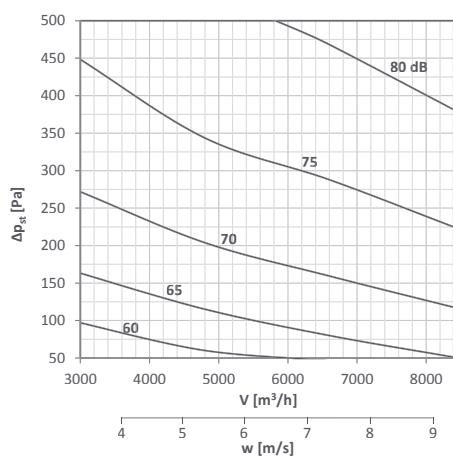
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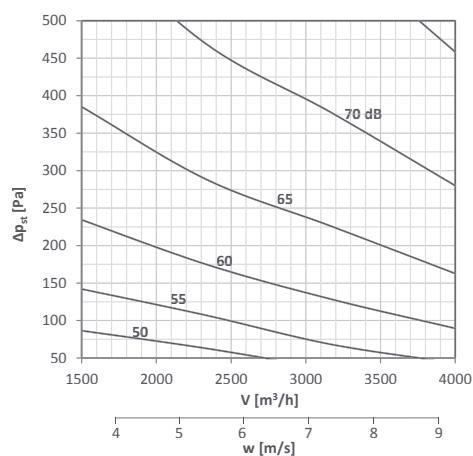
500x400



500x500



600x200

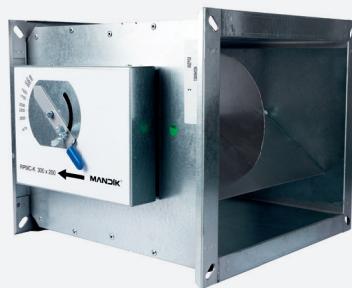


REGULATION
CONSTANT FLOW



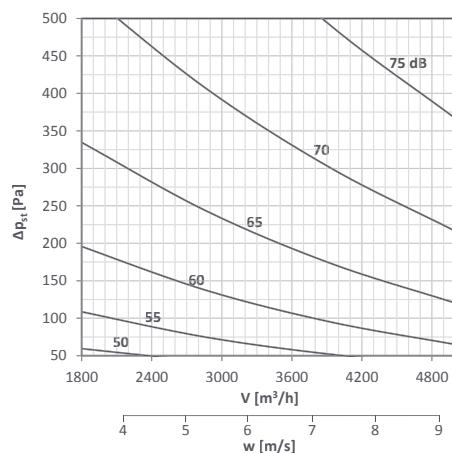
RPMC-K SERIES

TECHNICAL DATA

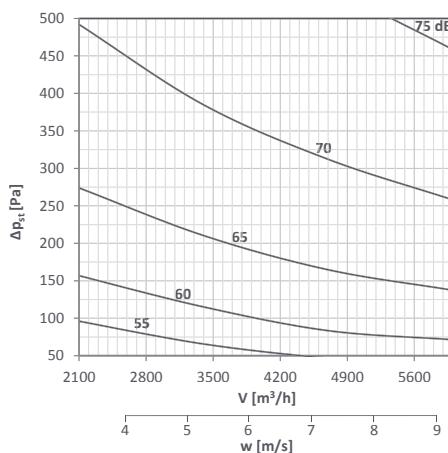


Sound power level L_{wa} [dB (A)] inside the pipeline

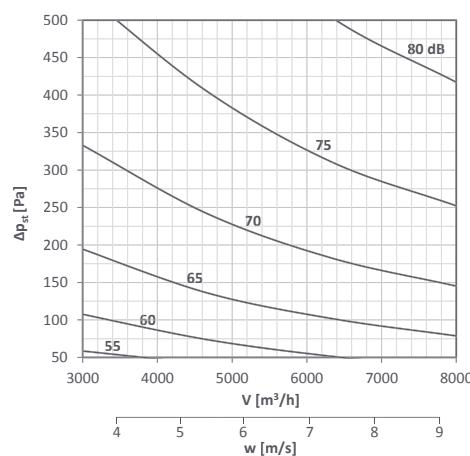
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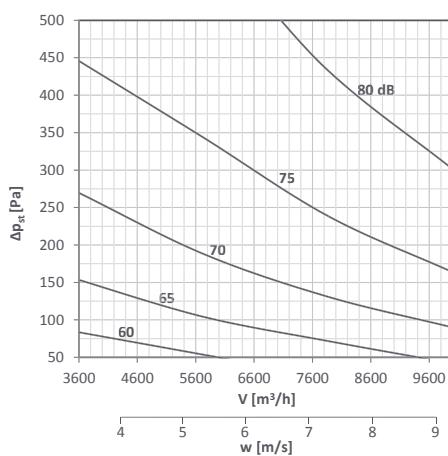
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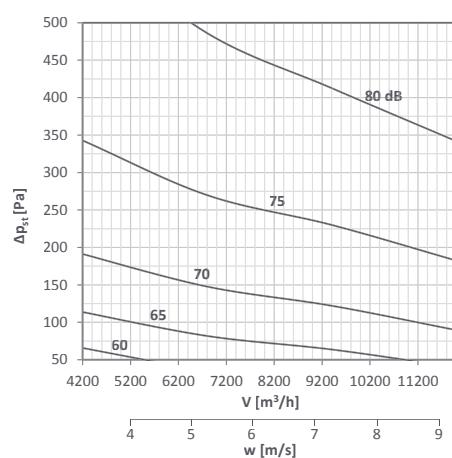
600x400



600x500



600x600



RPMC-K SERIES

TECHNICAL DATA



Radiated noise

The radiated noise of the air volume controller is listed below.

V [m^3h^{-1}] - air flow volume

ΔP_{st} [Pa] - pressure differential

L_{WA} [dB(A)] - total level of acoustic power corrected by filter A

Size [mm]	V [m^3/h]	L_{WA} [dB(A)]		L_{WA} [dB(A)]	
		$\Delta P_{st}=50$ Pa	$\Delta P_{st}=100$ Pa	$\Delta P_{st}=250$ Pa	$\Delta P_{st}=500$ Pa
200x100	250	33	39	48	55
	400	38	43	51	57
	550	42	46	53	59
	700	45	49	55	61
200x150	400	34	39	46	52
	600	38	42	49	55
	800	41	45	52	58
	1000	43	48	55	61
200x200	500	35	40	47	53
	765	40	44	51	56
	1035	43	47	54	59
	1300	45	49	56	62
300x100	400	36	40	46	52
	600	40	44	50	56
	800	43	47	53	59
	1000	45	49	55	61
300x150	500	35	39	46	52
	835	40	44	51	57
	1165	44	48	54	60
	1500	47	51	57	63
300x200	600	35	40	48	54
	1065	39	44	52	58
	1535	43	48	55	61
	2000	46	51	58	64
300x250	800	36	41	49	56
	1365	40	45	53	60
	1935	44	49	56	63
	2500	47	52	59	66
300x300	1000	36	41	49	57
	4665	40	45	53	61
	2335	44	49	57	64
	3000	48	53	60	67
400x200	900	35	40	48	55
	1500	40	45	52	59
	2100	43	48	55	61
	2700	45	50	57	63
400x250	1200	38	43	50	56
	1935	42	47	54	60
	2665	45	50	57	63
	3400	47	52	59	65
400x300	1500	39	44	52	58
	2400	43	48	56	62
	3300	46	51	59	65
	4200	48	53	61	67
400x400	1800	43	48	56	62
	3000	46	51	59	65
	4200	48	53	61	67
	5400	50	55	63	69



RPMC-K SERIES

TECHNICAL DATA



Size [mm]	V [m³/h]	L_{WA} [dB(A)]		L_{WA} [dB(A)]	
		$\Delta P_{st} = 50$ Pa	$\Delta P_{st} = 100$ Pa	$\Delta P_{st} = 250$ Pa	$\Delta P_{st} = 500$ Pa
500x200	1100	35	40	48	55
	1865	40	45	52	58
	2635	43	48	55	61
	3400	47	51	58	63
500x250	1500	36	41	49	56
	2400	40	45	53	60
	3300	43	48	56	63
	4200	46	52	59	66
500x300	1800	38	43	51	57
	2800	42	47	55	61
	3800	44	49	58	64
	4800	47	52	60	66
500x400	2200	42	46	54	60
	3735	46	50	57	63
	5265	49	53	60	66
	6800	52	56	63	69
500x500	3000	45	50	57	63
	4800	48	53	60	66
	6600	51	56	63	68
	8400	55	59	65	70
600x200	1500	35	40	48	55
	2335	39	44	52	59
	3165	42	47	55	62
	4000	45	50	58	65
600x250	1800	36	42	50	56
	2865	40	45	53	60
	3935	43	48	56	63
	5000	46	51	59	66
600x300	2100	38	43	51	57
	3400	42	47	54	60
	4700	45	50	57	63
	6000	48	53	60	66
600x400	3000	40	45	53	60
	4665	44	49	56	63
	6335	47	52	59	65
	8000	51	55	61	67
600x500	3600	43	48	56	62
	5735	46	51	59	65
	7865	48	53	61	67
	10000	51	56	63	69
600x600	4200	45	50	57	63
	6800	48	53	60	66
	9400	51	55	62	68
	12000	53	57	64	70

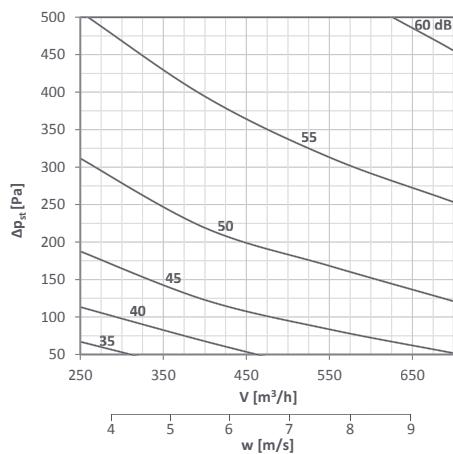
RPMC-K SERIES

TECHNICAL DATA

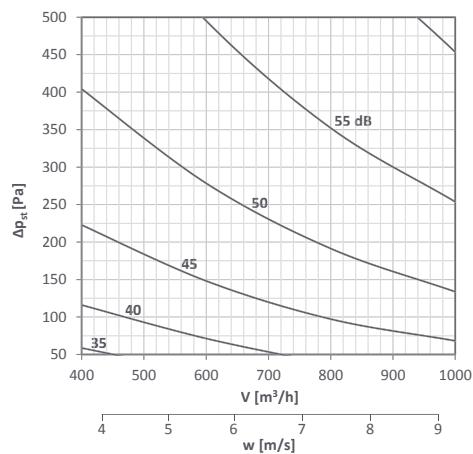


Sound power level L_{wa} [dB (A)] radiated outside the pipeline - without insulation

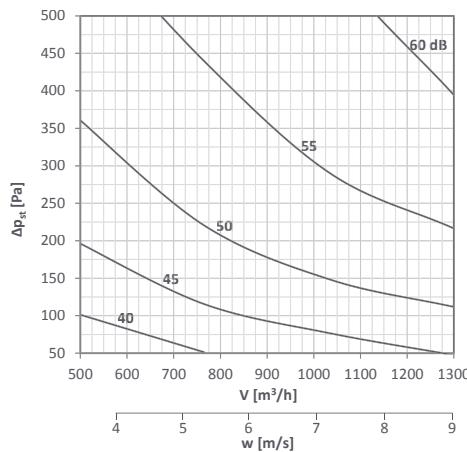
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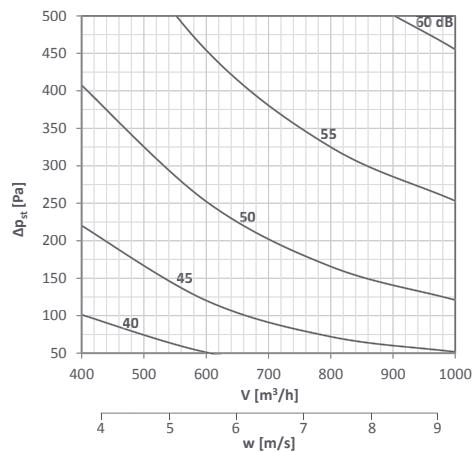
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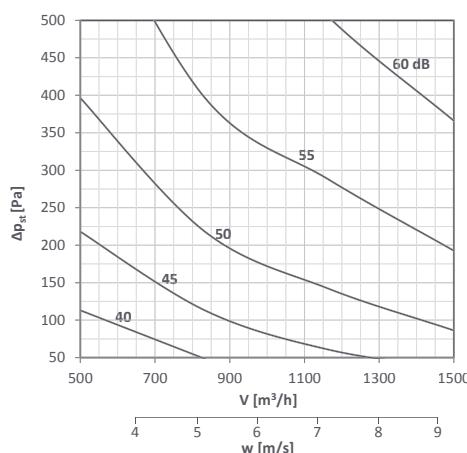
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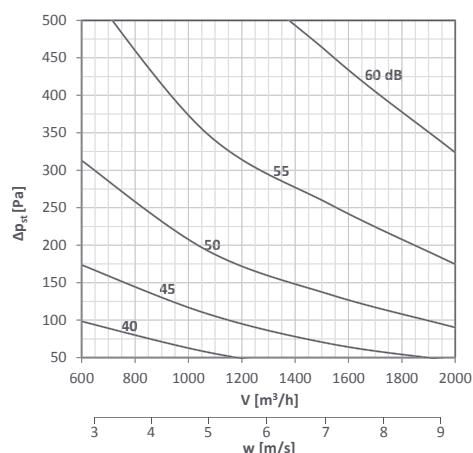
300x100



300x150



300x200



REGULATION
CONSTANT FLOW



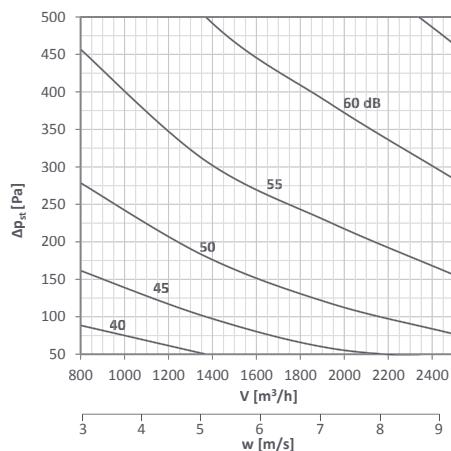
RPMC-K SERIES

TECHNICAL DATA

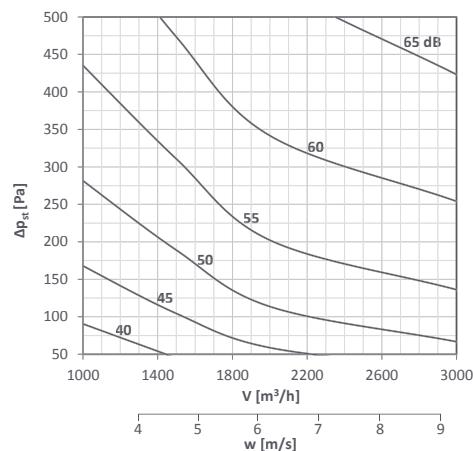


Sound power level L_{wa} [dB (A)] radiated outside the pipeline - without insulation

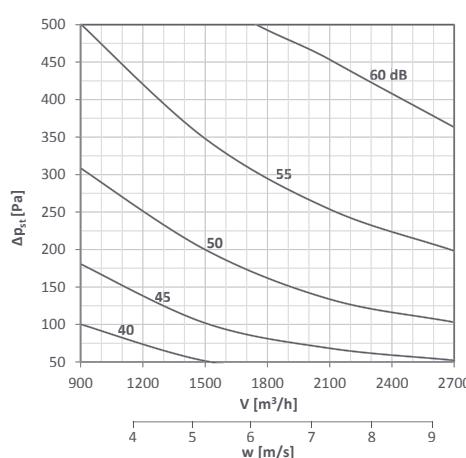
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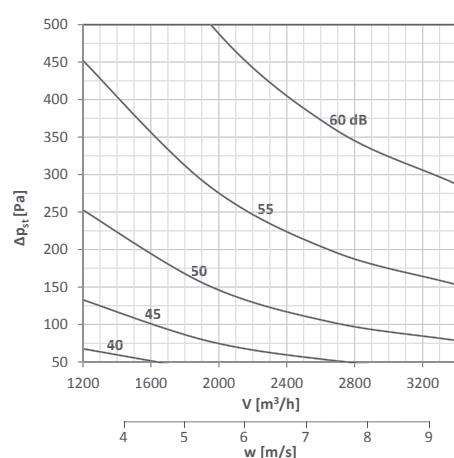
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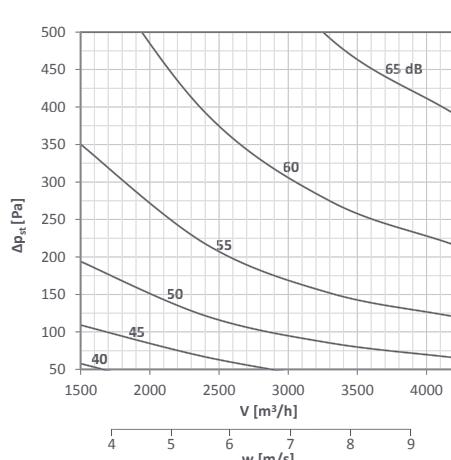
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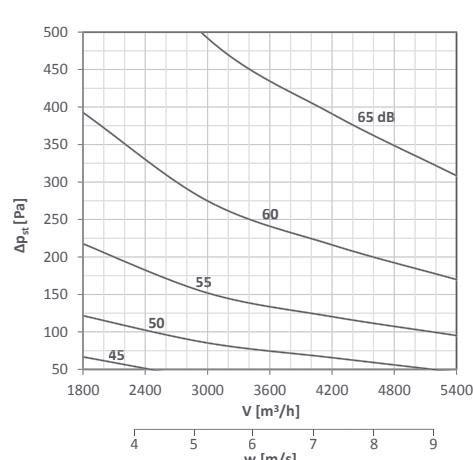
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400x300



400x400



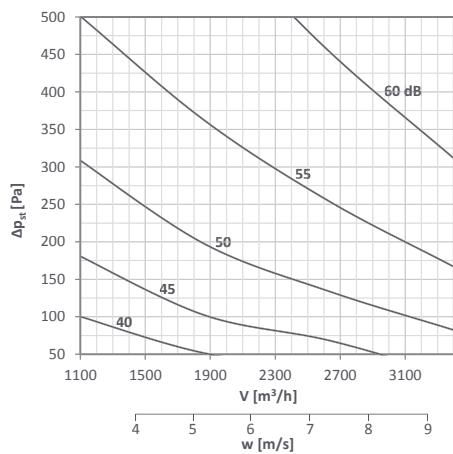
RPMC-K SERIES

TECHNICAL DATA

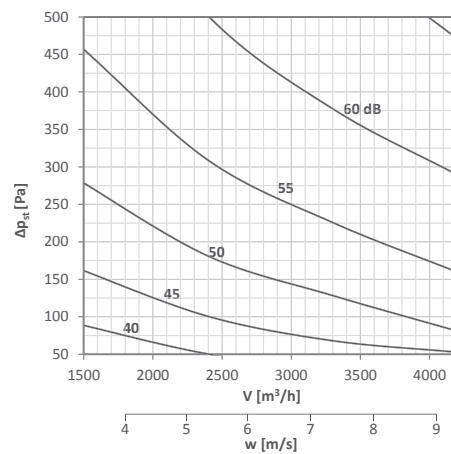


Sound power level L_{wa} [dB (A)] radiated outside the pipeline - without insulation

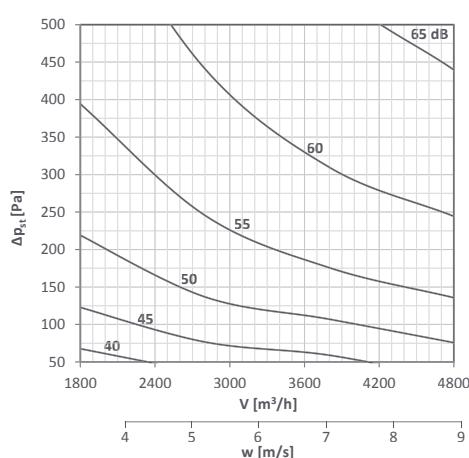
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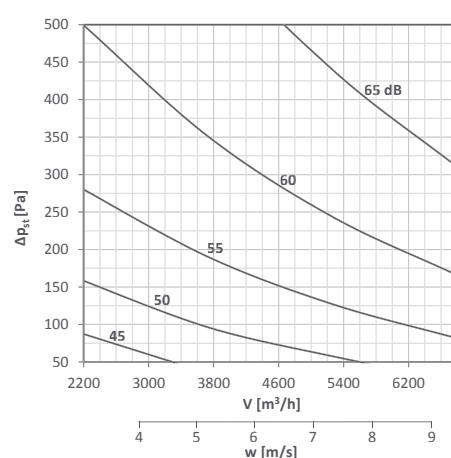
500x250



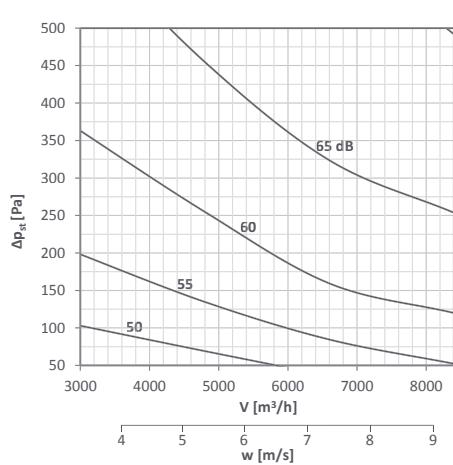
500x300



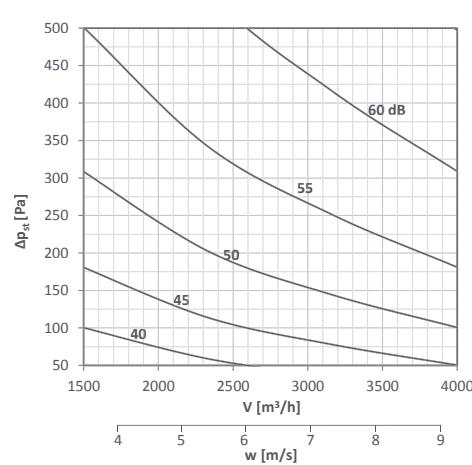
500x400



500x500



600x200



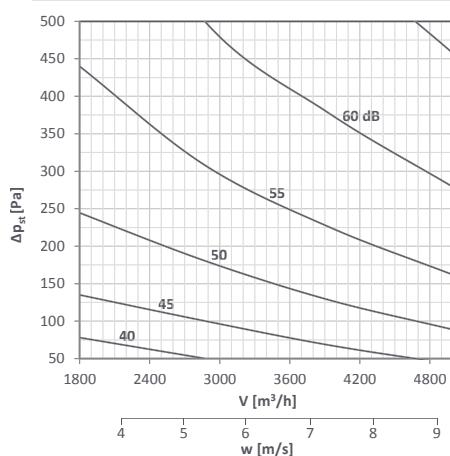
RPMC-K SERIES

TECHNICAL DATA

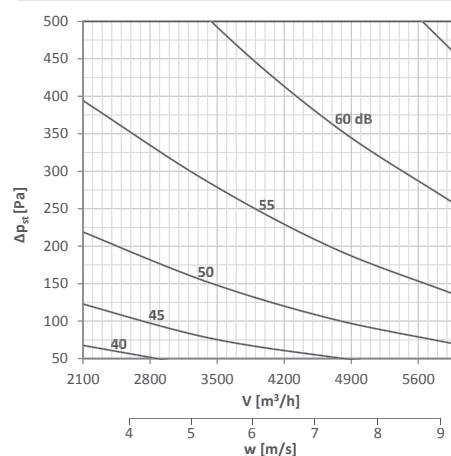


Sound power level L_{wa} [dB (A)] radiated outside the pipeline - without insulation

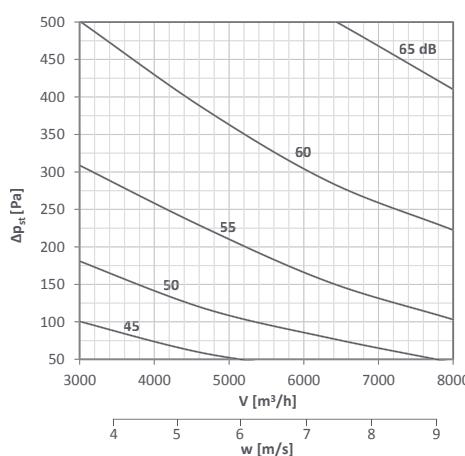
600x250



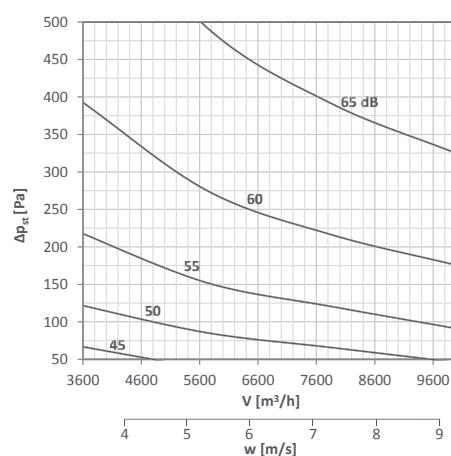
600x300



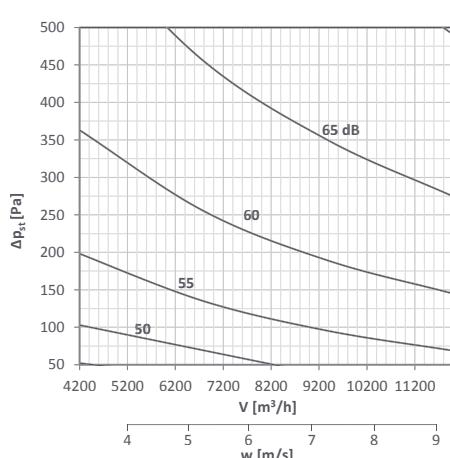
600x400



600x500



600x600



RDR SERIES FLOW REGULATOR



Model RDR. The flow regulator RDR is an element placed inside the duct in order to obtain a constant flow within a pressure range from 50 to 250 Pascals. It is used in air conditioning or ventilation systems either in extraction or blowing mode. Aerdraulic characteristics meeting the requirements of the draft standard NF-E-51-776-2.

Characteristics:

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

Presentation:

- The self adjusting flow regulator RDR can be adjusted on site according to the requested airflow.
- The marks on the sides of the opening indicate the settings.

Models:

Ø80 to Ø250 mm.

Adjustment:

Before setting the regulator, it's necessary to calibrate the flow:

- Using a T10 Torx screwdriver, loosen the screw on the adjustment module by one quarter turn.
- Set the cursor (on the left or right) to the desired flow rate.
- Retighten the adjustment module locking screw. It is possible to obtain other flow rates than those indicated on the controller by setting the mark of the adjustment module to an intermediate position. The setting steps are given in the table opposite.

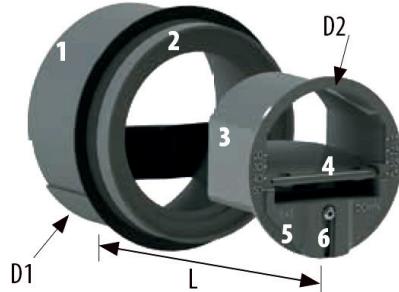


RDR SERIES

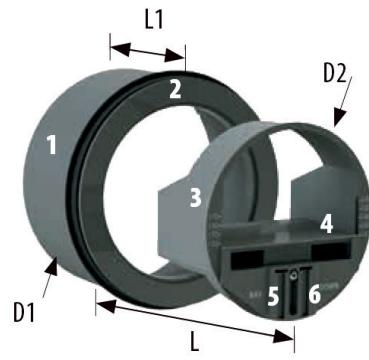
FLOW REGULATOR



RDR
Ø80 to Ø125



RDR
Ø160 to Ø250



Components and dimensions:

1. Sleeve with lip seal
2. Cale (according to the airflow)
3. Regulator casing
4. Piece of regulation
5. Air flow setting
6. Screw to fix the airflow

Size	ØD1	ØD2	L
Ø80	76	76	57
Ø100	96	93	68
Ø125	120	117	86 (68*)
Ø160	148	148	85
Ø200	195	195	91
Ø250	244	245	120

* for flow rates from 15 to 100 m³/h

RDR SERIES

TECHNICAL DATA



Air flow

\varnothing	Adjustable flow range (m³/h)	Caudales estándar preestablecidos (m³/h)*		
80	15 to 50	15/25/30/45/50		
100	15 to 50	15/25/30/45/50	160	180 to 300 120/150/180
100	50 to 100	60/75/90/100	160	180 to 300 210/240/250/270/300
125	15 to 50	15/25/30/45/50	200	100 to 180 180
125	50 to 100	60/75/90/100	200	180 to 300 210/240/250/270/300
125	100 to 180	120/150/180	200	300 to 500 350/400/450/500
160	15 to 50	50	250	180 to 300 300
160	50 to 100	100	250	300 to 500 350/400/450/500
			250	450 to 800 550/600/650/700

Sound power

The controllers are characterized by their sound power levels Lw expressed in dB(A).

\varnothing (mm)	Flow (m³/h)	Lw en dB (A)			
		50 Pa	100 Pa	150 Pa	200 Pa
80	15	24	30	33	35
	30	27	33	39	43
	45	27	33	39	42
	50	28	34	38	42
100	15	24	26	30	33
	30	27	33	37	42
	45	29	36	40	42
	60	31	37	41	44
	75	31	38	42	45
	90	33	39	43	46
	100	33	39	43	46
125	15	25	29	32	34
	30	27	32	37	42
	45	28	33	37	41
	60	30	35	39	43
	75	31	35	39	43
	90	32	35	39	43
	100	35	40	44	48
	120	35	41	45	47
	150	36	42	45	47
	180	38	42	45	47

\varnothing (mm)	Flow (m³/h)	Lw en dB (A)			
		50 Pa	100 Pa	150 Pa	200 Pa
160	100	38	44	46	49
	120	39	44	47	49
	150	40	45	49	51
	180	38	43	46	49
	210	39	45	48	50
	240	40	44	47	49
	270	39	45	48	50
	300	41	46	49	51
200	180	39	45	47	50
	210	40	46	48	49
	240	40	46	49	51
	270	40	47	50	51
	300	39	44	48	50
	350	41	45	49	51
	400	41	47	50	52
	450	41	47	51	53
250	500	42	48	52	54
	300	34	44	48	49
	350	36	45	49	50
	400	37	46	50	52
	450	35	45	47	50
	500	36	44	48	51
	550	44	48	51	54
	600	45	50	52	58
	650	45	50	53	57
	700	46	51	55	56
	750	46	52	55	56
	800	46	54	55	57



ALIZÉ AUTO SERIES

ALIZÉ AUTO SINGLE FLOW



Model ALIZÉ AUTO. Designed to equip CMV installations in homes and commercial premises, the ALIZÉ AUTO range of self-regulating extractor fans meets regulatory requirements by combining aesthetics and technology.

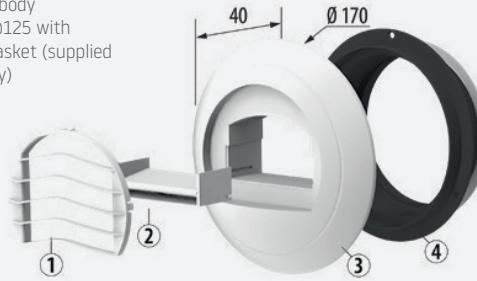
Characteristics:

- Complies with regulatory requirements (decree 82, NRA...).
- Easy installation of the appliance + accessories
- Easy maintenance due to the easy removal of the regulation module - Indication of the opening corresponding to the maximum flow rate of the appliance
- Indication of the opening corresponding to the maximum extraction flow rate of the cooking appliance
- Made of white polystyrene, with removable grille

Presentation:

- The ALIZÉ AUTO nozzle is available in the following flow rates: 15, 30, 45, 60, 60, 75, 90, 120 and 150 m³/h.

1. Removable grille
2. Regulating module
3. Mouth body
4. Sleeve ø125 with sealing gasket (supplied separately)



- For mounting the ALIZE AUTO 120 and 150 on the ø99 sleeve, use the spacer for adapting to the ø99 sleeve (code 1941).

Alizé auto without sleeve

- ALIZÉ AUTO 15 m³/h
- ALIZÉ AUTO 30 m³/h
- ALIZÉ AUTO 45 m³/h
- ALIZÉ AUTO 60 m³/h
- ALIZÉ AUTO 75 m³/h
- ALIZÉ AUTO 90 m³/h

Connecting sleeve

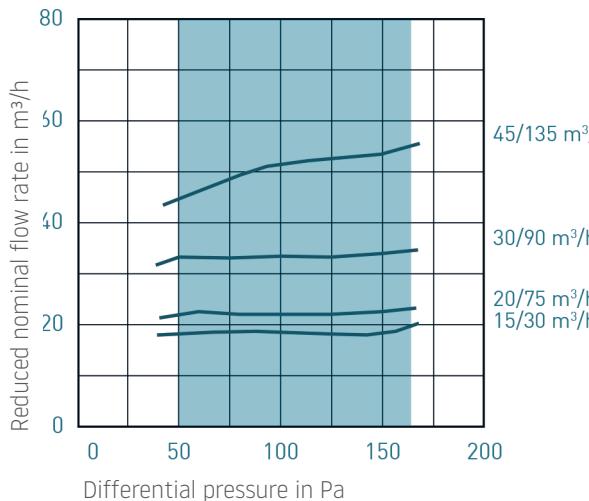
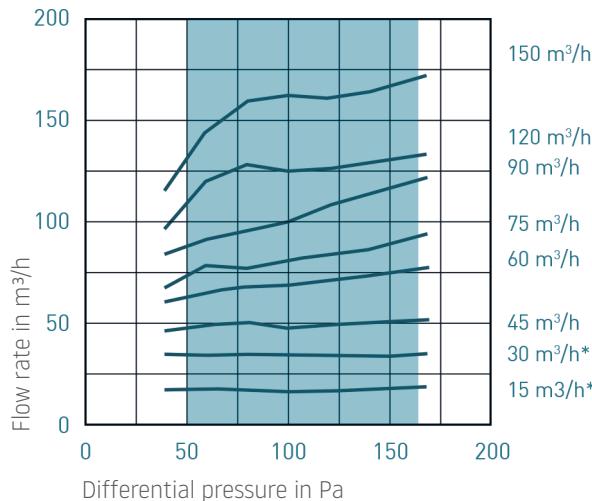
- sleeve ø99
- sleeve ø116
- sleeve ø120
- sleeve ø125
- sleeve ø150
- sleeve with gasket ø99
- sleeve with gasket ø116
- sleeve with gasket ø125
- sleeve with gasket ø160
- three-pronged plasterboard sleeve: ø100. L100
- three-pronged plasterboard sleeve: ø125. L100
- three-pronged plasterboard sleeve: ø125+80. L100

ALIZÉ AUTO SERIES

TECHNICAL DATA



Air flow rate



* Curves from the CETIAT test reports

Acoustics

These valves are characterised by their standardised acoustic performance Dn, e, w (C) and their sound power level (Lw).

Dimensions according to EN 13141-2.

ALIZÉ AUTO	Lw in dB(A)				Dn,e,w (C) dB	With MIA
	70 Pa	100 Pa	136 Pa 	160 Pa		
15 m³/h	23	27	32	35	61	64
30 m³/h	25	30	35	38	56	60



Valores certificados

Valores del
informe de la
prueba CETIAT

ALIZÉ AUTO	Lw in dB(A)				Dn,e,w (C) dB	With MIA
	70 Pa	100 Pa	136 Pa 	160 Pa		
20/75 m³/h	23	27	32	35	55	59
30/90 m³/h	25	30	35	38	53	57
45/135 m³/h	32	34	37	39	53	57

Caudal 45/105 y 45/120: tomar los
valores de la válvula 45/135

Valores del
informe de la
prueba CETIAT

Test reports

CETIAT* Test Reports No. 2714172 and 1114080

*Technical Centre for the Air and Heat Industries



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TECHNICAL ICONS



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MULTIDIRECTIONAL



LONG RANGE



ACCESSORIES



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ROUND



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