

Comfort

RSVC-K
Circular regulators for constant flow rate



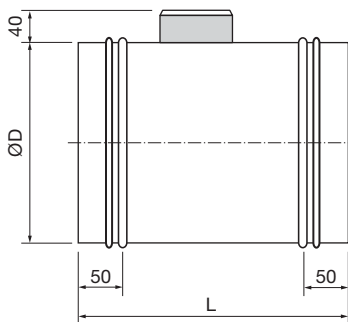
SagiCofim
Ecoefficiency for Indoor Air Quality



RSVC-K



Dimensional



Size

Ø Nom. (mm)	Ø D (mm)	L (mm)
100	98	270
125	123	270
160	158	295
200	198	295
250	248	335
315	313	340
355	353	380
400	398	420

The RSVC-K series flow regulators are designed for use in ventilation and air-conditioning systems with constant air volume (CAV). Thanks to the particular air flow rate reading system, its use and inclusion in systems is extremely flexible.

Operation

In the constant flow regulators the air flow is adjusted by means of a mechanical system and an adjustment pump functioning as a damping element, which guarantees very sensitive response and adjustment even in the case of minimum airflows. The maximum value of pressure loss for which it guarantees the proper control of the set flow rate value is 1000 Pa. Within the operating range the margin of error of the flow rate value is 5%.

Sizing

In choosing the regulator to be used in the system, it is recommended that it not have an air speed value of less than 2.5 m/s and a maximum speed of less than 7.5 m/s.

Adjustment

In the self-regulating flow rate regulators without auxiliary power, the calibration of the air flow is performed at the factory according to the nominal value specified by the customer, with the ability to correct the air flow, by changing the tension of the spring it is possible to vary the air flow along the graduated scale placed on the external command.

RSVC-K / MA

Regulator with manual device to adjust the flow rate value with rubber air seal gasket.

RSVC-K-CSJ / MA

RSVC-K-CSJ / MA
Regulator with manual device to adjust the flow rate value with rubber air seal gasket.

Material

Regulator constructed from galvanized steel and rubber air seal gasket.

Finishes

Galvanized steel

Fixing systems

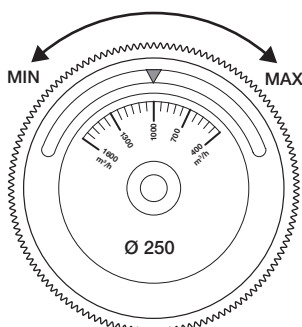
Direct mounting with circular channel

Technical specifications

Supply and installation of circular constant flow regulator that facilitates the adjustment of the ventilation system series

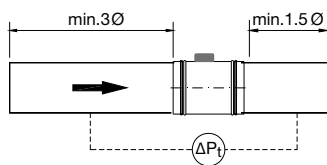
RSVC-K/MA Ø mm.

Constructed from galvanized steel and rubber air seal gasket.



Flow rate adjusting device.

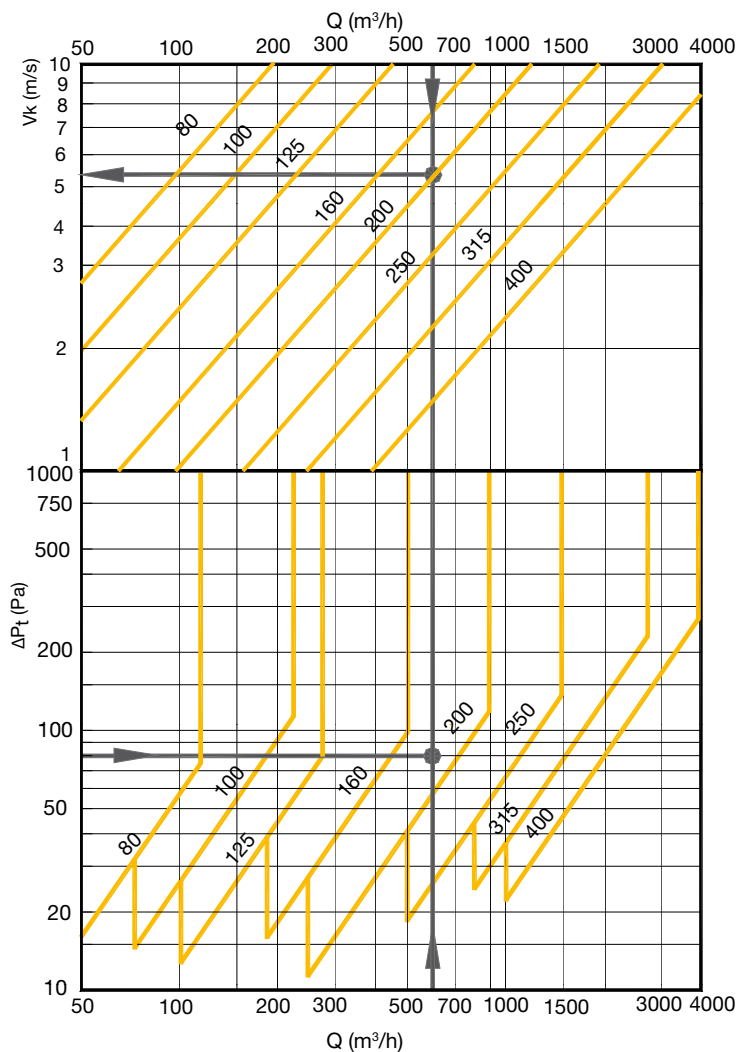
RSVC-K



Raccomanded air flow		
Ø	Q (m³/h)	Δp min (Pa)
100	Q min. 100	50 < P < 1000
	Q max. 250	110 < P < 1000
125	Q min. 100	50 < P < 1000
	Q max. 350	80 < P < 1000
160	Q min. 180	50 < P < 1000
	Q max. 600	100 < P < 1000
200	Q min. 250	50 < P < 1000
	Q max. 900	125 < P < 1000
250	Q min. 450	50 < P < 1000
	Q max. 1200	135 < P < 1000
315	Q min. 700	50 < P < 1000
	Q max. 2100	220 < P < 1000
355	Q min. 900	50 < P < 1000
	Q max. 2600	220 < P < 1000
400	Q min. 1000	50 < P < 1000
	Q max. 3400	220 < P < 1000

Sound power level				
Ø	Q	L wa 1		
		100 Pa	250 Pa	500 Pa
100	70	43	50	55
	110	46	54	60
	170	49	58	64
	210	51	60	65
125	110	44	51	56
	175	47	55	61
	265	49	58	65
	330	51	60	66
160	180	45	54	60
	290	48	57	63
	435	49	58	65
	540	51	59	66
200	280	46	57	64
	450	48	59	66
	680	50	59	67
	850	51	59	67
250	450	47	59	65
	700	49	59	66
	1060	51	59	67
	1325	52	61	67
315	700	48	60	66
	1120	50	59	67
	1680	54	60	67
	2100	57	62	67
355	890	49	61	67
	1425	50	61	66
	2150	56	62	68
	2600	61	64	70
400	1130	50	62	68
	1800	51	61	66
	2700	61	63	68
	3400	65	66	71

Air speed - Pressure drop



For example:

Flow rate Q = 600 m³/h	Selected dim. RSVC-K 200
Min. pressure available P = 80Pa	Pressure range 60 < P < 1000 Pa
	Speed V _k = 5.3 m/s

SagiCofim spa

Comfort Filtration Engineering

via Firenze 1
20063 Cernusco sul Naviglio
Milan Italy
tel +39 02 929021 a.s.
fax +39 02 92902300
info@sagicofim.com
www.sagicofim.com



Sagicofim S.p.A. reserves the right to make modifications or changes at any time without prior notice concerning the indications in this publication.