



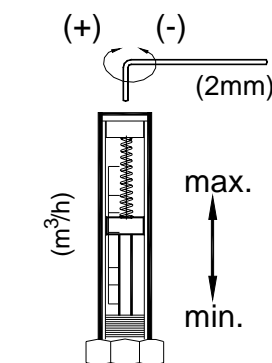
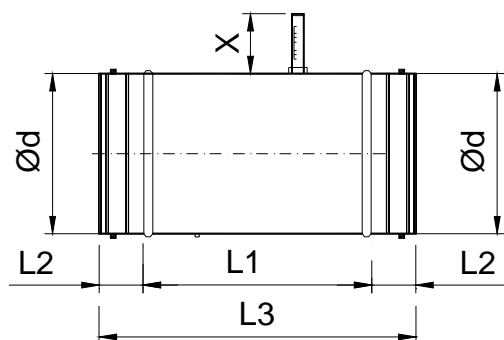
SKC-C circular constant air volume dampers



The **SKC-C** series dampers are designed to facilitate balancing of ventilation systems. Damper suitable for circular duct mounting.

Those dampers maintain the constant air volume at varying pressures, caused by connection and disconnection of system parts, clogging of filters and ducts, wind effects, window opening etc.

SKC-C is an automatic damper independent of external energy sources. The damper is operated by an opposed opening force from a spring on the blade.

SKC-C/ MA


DN	Ød	L1	L2	L3	X
80	79	120	40	200	70
100	99	170	40	250	70
125	124	170	40	250	70
160	159	240	40	320	70
200	199	240	40	320	70
250	249	240	40	320	70
315	314	220	60	340	110

CLASSIFICATION

SKC-C/ MA Damper with manual device for setting of one flow.

MATERIAL

Damper constructed from galvanized steel.
Tightness joint from rubber.

FIXING SYSTEMS

Connection into a circular duct.

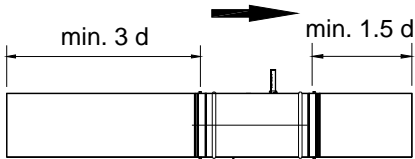
FINISHES

Galvanized steel.

SPECIFICATION TEXT

Supply and mounting of circular constant air volume damper to facilitate balancing of ventilation systems series **SKC-C/MA** Ø mm. Constructed from galvanized steel and tightness joint from rubber. Manufacturer **MADEL**.

Serie SKC-C

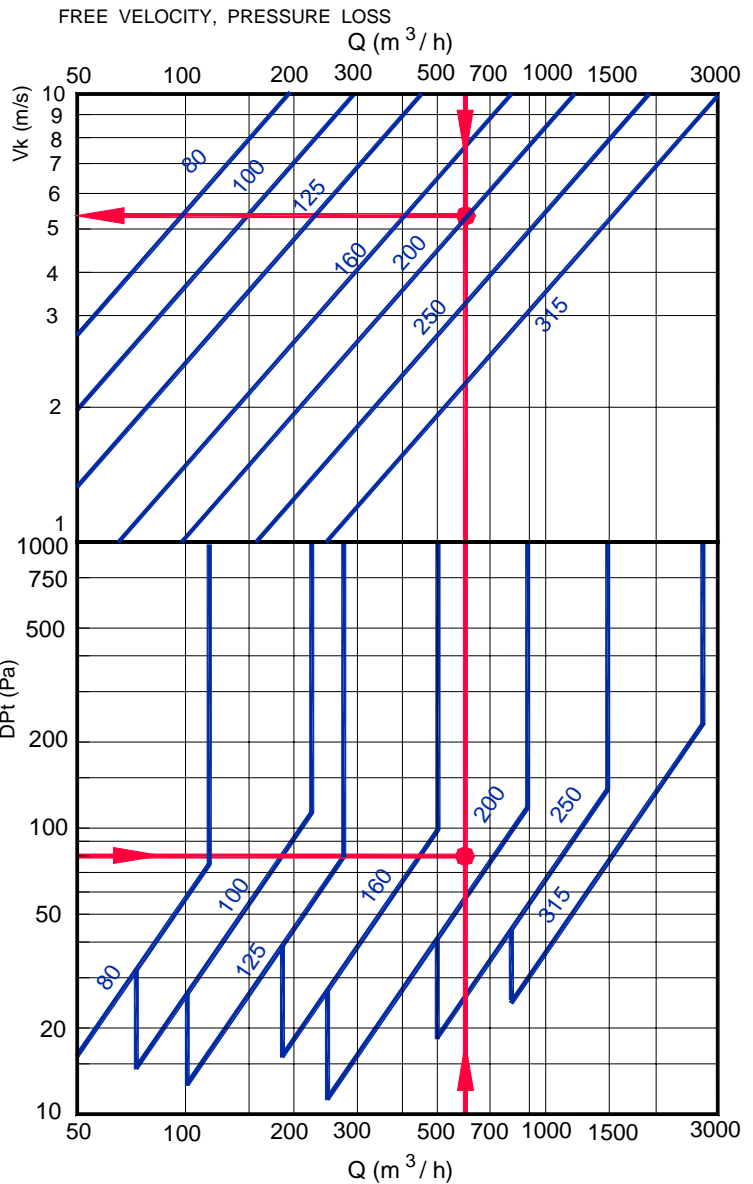


RECOMMENDED AIRFLOW

Ø	Q (m ³ /h)	P (Pa)
80	Qmin 40	15 < P < 1000
	Qmax 125	70 < P < 1000
100	Qmin 70	17 < P < 1000
	Qmax 220	110 < P < 1000
125	Qmin 100	15 < P < 1000
	Qmax 280	80 < P < 1000
160	Qmin 180	15 < P < 1000
	Qmax 500	100 < P < 1000
200	Qmin 250	12 < P < 1000
	Qmax 900	125 < P < 1000
250	Qmin 500	18 < P < 1000
	Qmax 1500	135 < P < 1000
315	Qmin 800	25 < P < 1000
	Qmax 2800	220 < P < 1000

SOUND POWER LEVEL

Ø	Q	L _{wa1}		
		100 Pa	250 Pa	500 Pa
80	40	38	50	57
	82	45	54	61
	125	49	58	65
100	70	41	53	60
	135	46	55	63
	200	51	59	66
125	100	41	54	60
	190	46	56	63
	280	50	59	67
160	180	43	56	63
	340	48	57	65
	500	52	61	68
200	250	43	56	63
	575	50	59	67
	900	-	64	70
250	500	47	60	66
	1000	52	61	69
	1500	-	65	72
315	600	44	58	65
	1400	51	60	69
	2200	-	65	72



EXAMPLE:

To keep a constant airflow in situations where there is an increment of pressure

Airflow to keep

Q = 600 m³/h

Difference of pressure available

P = 80 Pa

Selected dimension

SKC 200

Rang of pressure

60 < P < 1000

Velocity in the duct

V_k = 5,3 m/s

Note: In tecnic@madel.com Octava band centre frequency in Hz.