

SKDM Plenum box

Designed to facilitate installing air supply units to duct systems.

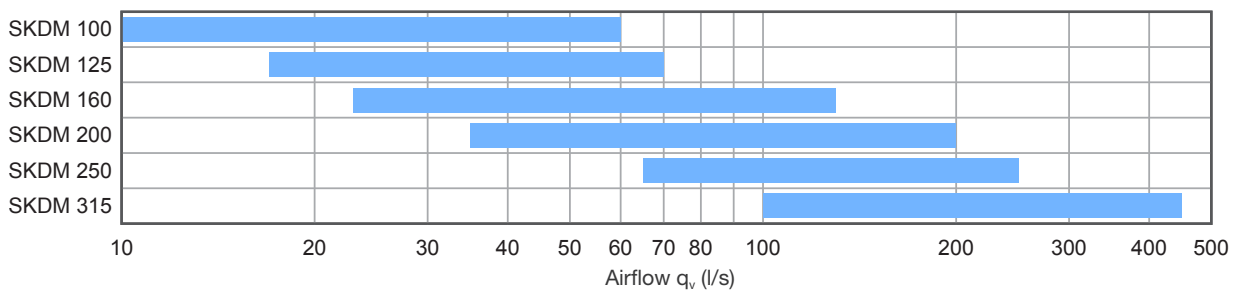
Makes it possible to adjust unit's air volume and attenuate sound from the duct system. Sizes for duct connections Ø 100-315 mm and unit connections Ø 125-400 mm.



Features:

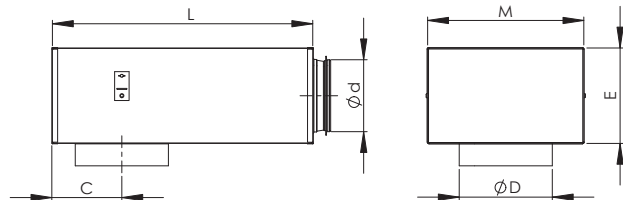
- exact measuring and adjusting of air quantities
- quiet even with high pressures
- removable measuring and adjusting unit

Quick selection



Materials and sizes

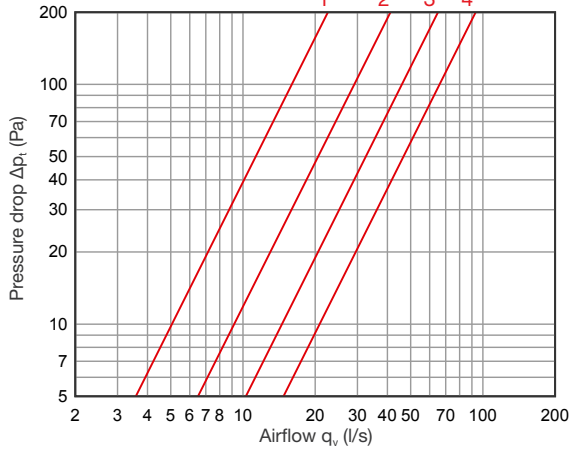
Manufactured of galvanized steel sheet.
Equipped with duct connection with gasket.
Synthetic sound absorption material.



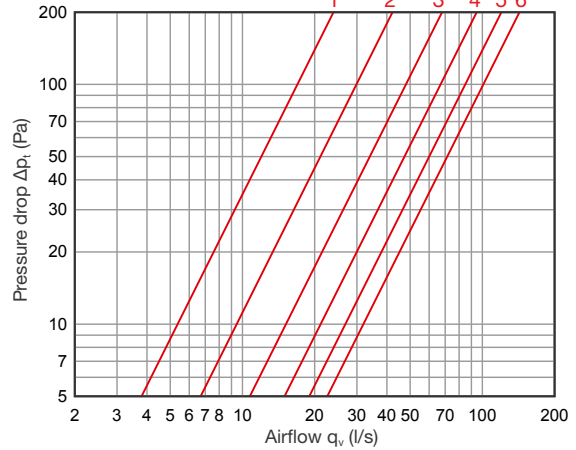
Nominal size	d	D	M	E	L	C
100/125	100	125	270	140	450	100
100/160	100	160	270	140	450	120
125/125	125	125	270	165	450	120
125/160	125	160	270	165	450	120
125/200	125	200	270	165	450	140
125/250	125	250	340	200	500	165
160/160	160	160	270	200	500	140
160/200	160	200	340	200	500	140
160/250	160	250	340	200	500	165
160/315	160	315	400	200	570	197
200/200	200	200	340	240	650	165
200/250	200	250	400	240	650	165
200/315	200	315	400	240	650	200
200/400	200	400	450	290	700	240
250/250	250	250	400	290	700	197
250/315	250	315	450	290	700	197
250/400	250	400	450	290	700	240
315/315	315	315	450	355	800	265
315/400	315	400	500	355	800	265

Technical data

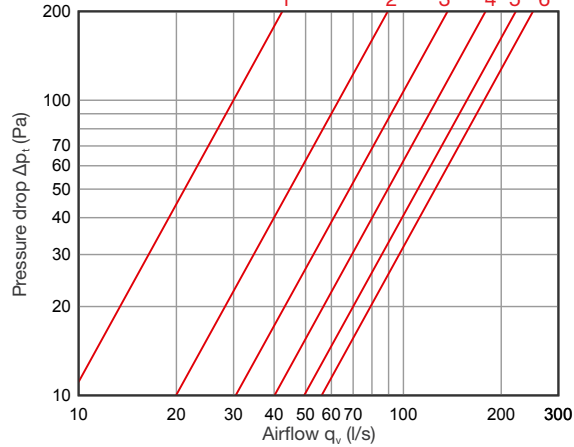
SKDM 100



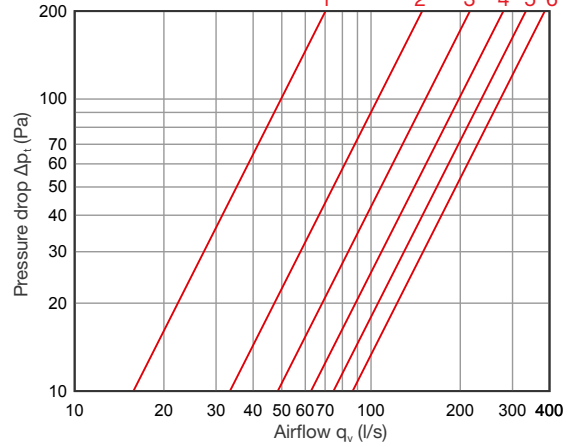
SKDM 125



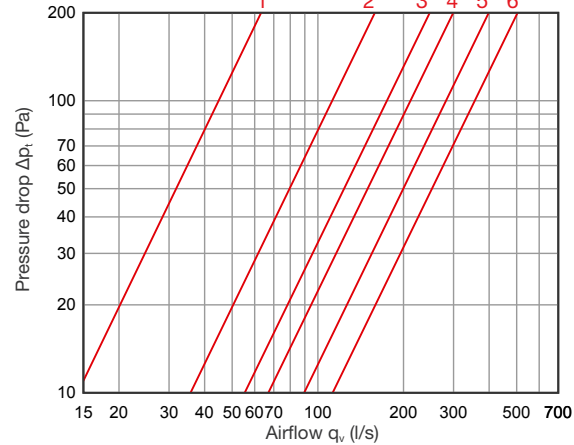
SKDM 160



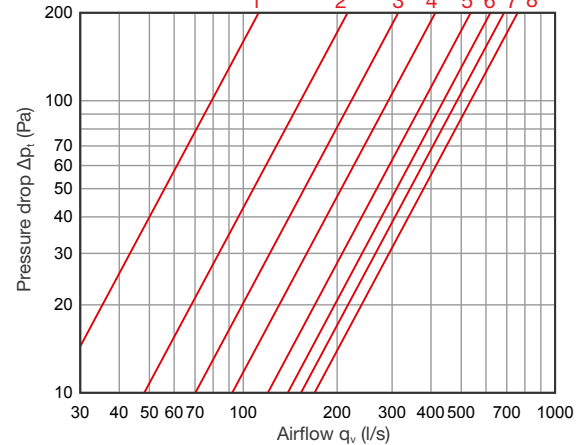
SKDM 200



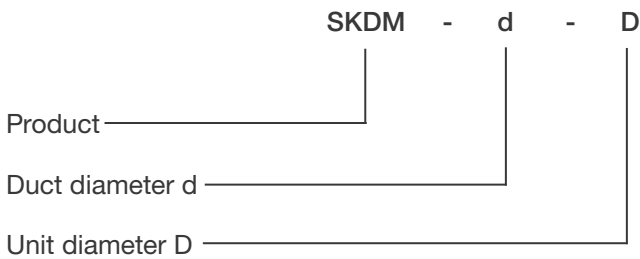
SKDM 250



SKDM 315



Product codes



Example: SKDM 200-250

Adjustment and measuring

The supply volume flow rate for the attached diffuser is determined using the measurement and adjustment module (NRO).

The tubes and control spindle are passed through the diffuser front plate. Replace the diffuser. Measure the differential pressure. The flow rate is calculated using the formula below:

$$q_v = k \cdot \sqrt{\Delta p_m}$$

k = k-value

Δp_m = Measured differential pressure (Pa)

Adjust the air flow rate by rotating the control spindle until the desired setting is achieved. Calculate air flow by means of the k-value indicated on the control spindle. Replace the tubes and spindle into the plenum box and replace the diffuser.

NRO-adjustment and measuring unit

Nominal size Ød, (mm)	Adjustment position														
	s=1	s=1,5	s=2	s=2,5	s=3	s=3,5	s=4	s=4,5	s=5	s=5,5	s=6	s=6,5	s=7	s=7,5	s=8
100	1,6	2,3	2,9	3,8	4,6	5,5	6,3								
125	1,7	2,4	3,0	3,9	4,7	5,6	6,4	7,2	8,0	8,7	9,3				
160	3,0	4,6	6,2	7,8	9,4	10,9	12,3	13,5	14,6	15,7	16,7				
200	5,0	7,8	10,5	12,7	14,9	16,9	18,8	20,3	21,7	22,7	23,6				
250	5,6	10,6	15,5	19,3	23,0	26,9	30,7	34,6	38,4	42,2	46,0				
315	9,5	13,9	18,3	22,5	26,6	31,1	35,5	40,0	44,4	47,7	51,0	54,3	57,5	60,3	63,0