

Rectangular attenuator KSD

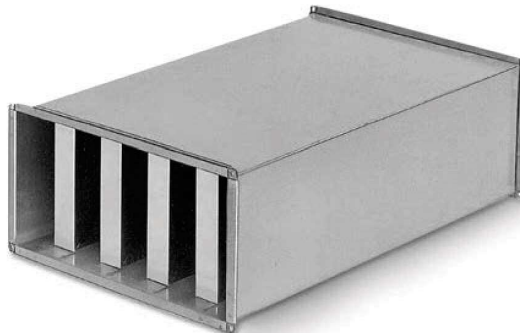
Design – Installation

Casing made from galvanised sheet steel, with flanges to fit the fan dimensions, door installation in-line with the ducting inlet or outlet. In order to reduce structure-borne sound transmission, a flexible connector (VS or VS Ex) should be installed between fan/attenuator and ducting.

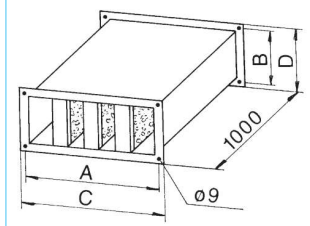
Pressure loss

The attenuator will add an additional resistance to the duct system (see diagram), which must be considered when selecting a fan. These values apply for equal inflows. In case of unequal flow (e.g. rectangular fan outflow), a 1 metre section of straight ducting can be fitted between fan and attenuator or allow for higher resistance.

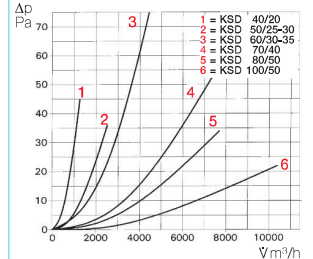
KSD



Dim. in mm see table



Pressure loss KSD



Information	Page
Selection	434
acoustic calculation	434

Type	Ref. no.	Duct size in cm	No. inserts	Dimensions in mm				Weight approx. kg	Insertion insulation level D _a dB at Hz								average insulation
				A	B	C	D		125	250	500	1000	2000	4000	8000		
KSD 40/20	8728	40/20	3	420	220	443	240	13	8	11	23	31	31	26	18	17	
KSD 50/25-30	8729	50/25-30	3	520	270/320	540	340	16.5	6	9	19	25	25	20	15	14	
KSD 60/30-35	8730	60/30-35	4	620	320/370	640	390	20	7	10	21	28	28	23	16	12	
KSD 70/40	8731	70/40	4	720	420	740	440	25	6	8	18	24	24	20	14	12	
KSD 80/50	8732	80/50	5	820	520	840	540	31	7	9	19	26	26	21	15	14	
KSD 100/50	8733	100/50	5	1020	520	1040	540	35	5	7	16	21	21	17	12	11	

Flexible circular attenuator FSD

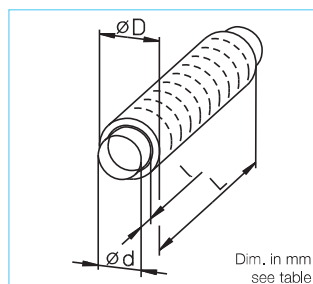
Design – Installation

Robust flexible aluminium ducting with inner perforated face retaining the resin bounded attenuation packing of 50 mm thickness. Spigotted on both ends to fit into nominal size ducting or to be fixed with pipe clamp connectors BM on fan or ducting. The flexible body allows easy installation.

Pressure loss

The pressure loss is 4 times the friction resistance.

FSD



Information	Page
Selection	434
acoustic calculation	434

Type	Ref. no.	L	Dimensions in mm			Insertion insulation level dB at Hz				Weight approx. kg	average insulation	
			Ø D	Ø d	I	250	500	1000	2000			
FSD 100	0676	1000	210	99,5	60	17	33	48	40	1.1	25	
FSD 125	0677	1000	240	124,5	60	13	27	47	22	1.5	20	
FSD 160	0678	1000	262	159,5	60	12	26	45	20	2.0	19	
FSD 200	0679	1000	313	199,5	60	10	22	31	10	2.5	16	
FSD 250	0680	1000	363	249,5	85	8	15	26	8	3.2	12	
FSD 315	0681	1000	418	314,5	85	7	15	25	8	4.2	11	
FSD 355	0682	1000	464	354,5	85	5	13	19	8	4.7	9	
FSD 400	0683	1000	514	399,5	90	5	13	19	8	5.3	9	