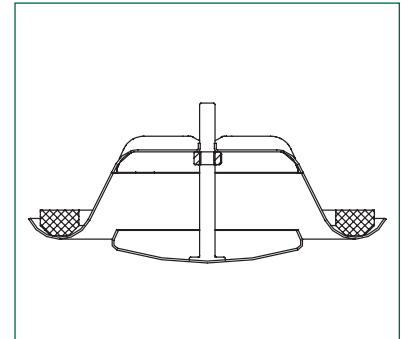
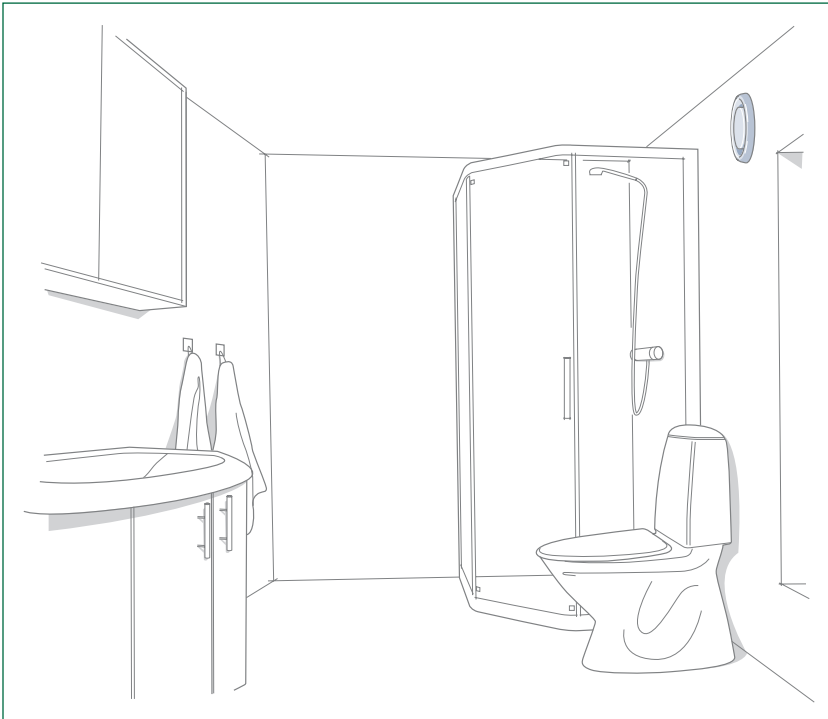


KK Exhaust valve



KK is an exhaust valve suitable for offices, houses, etc.

Quick-selection

Valve Size	Air flow l/s (m ³ /h) at sound level		
	25 dB(A)	30 dB(A)	35 dB (A)
KK-80	23	28 (101)	34
KK-100	30	37 (133)	45
KK-125	46	57 (205)	68
KK-150	58	70 (252)	81
KK-160	64	80 (288)	98
KK-200	120	140 (504)	170

Product facts

KK Exhaust valve

KK Exhaust valve intended for installation in the ceiling or on a wall.

Manufactured from steel sheet.

Available also in stainless steel.

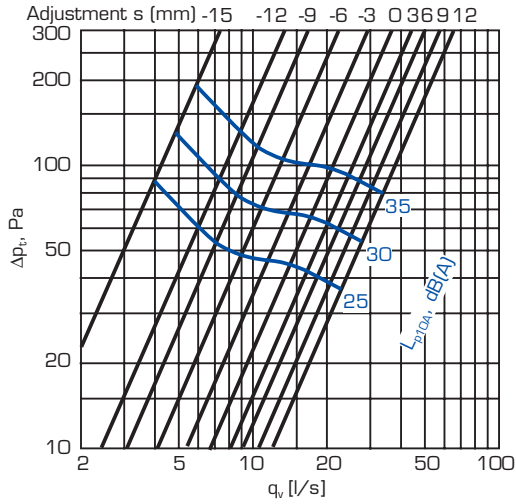
Six sizes.

Product code example:

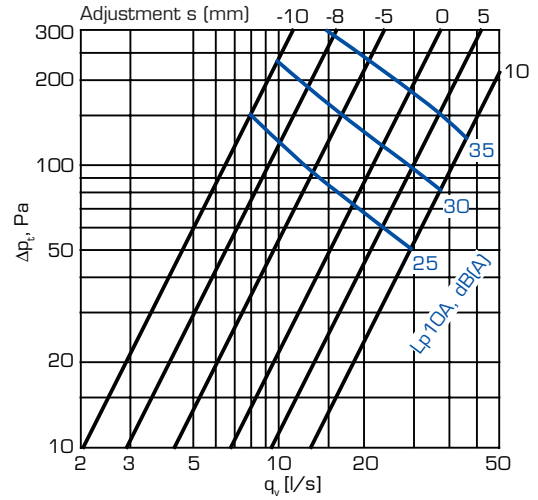
Exhaust valve KK-125

Air flow, pressure drop, sound level

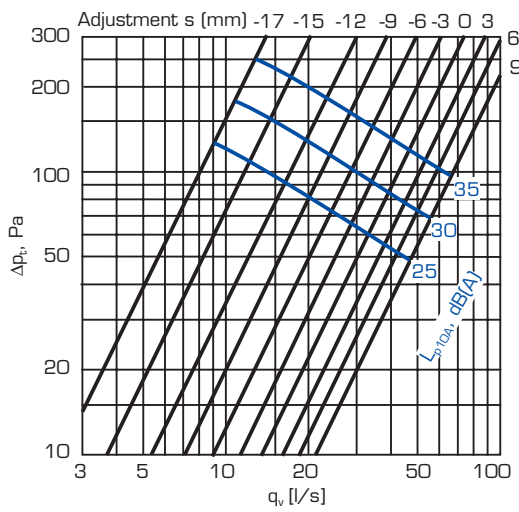
KK-80



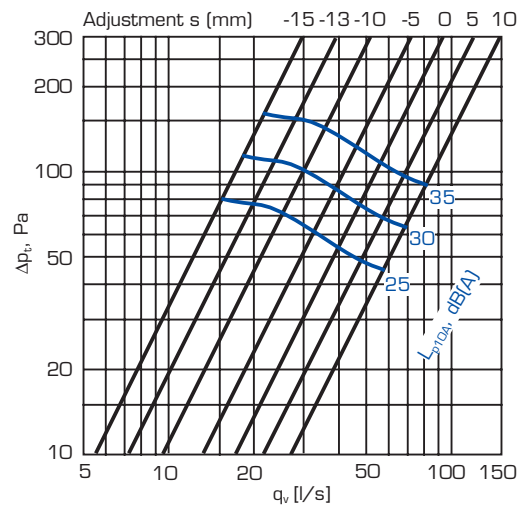
KK-100



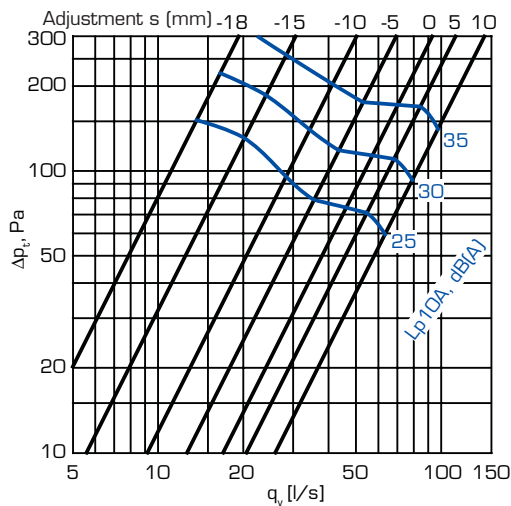
KK-125



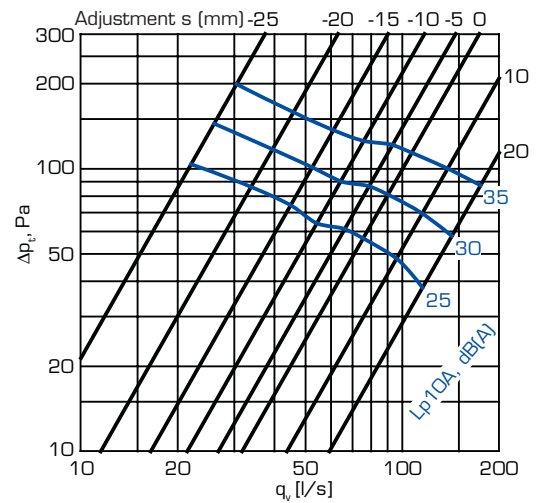
KK-150



KK-160



KK-200



Acoustical data, dimensions and weights

Sound power level L_w

KK	Correction K_{oct} (dB)							
	Octave bands, middle frequency, Hz							
	125	250	500	1000	2000	4000	8000	
80	1	-2	1	0	-3	-10	-22	
100	5	-2	-3	-3	0	-8	-20	
125	-6	0	0	-3	0	-13	-25	
150	-6	-5	-4	0	-1	-13	-28	
160	1	-1	-3	1	-2	-15	-32	
200	3	1	-1	1	-4	-12	-25	
Tol.±	3	2	2	2	2	2	3	

Sound power levels by octave bands are obtained by adding to total sound pressure level L_{p10A} dB(A) the corrections K_{oct} presented in the table according to the following formula:

$$L_{W_{oct}} = L_{p10A} + K_{oct}$$

Correction K_{oct} is average value in range of use of KK unit.

Sound attenuation ΔL

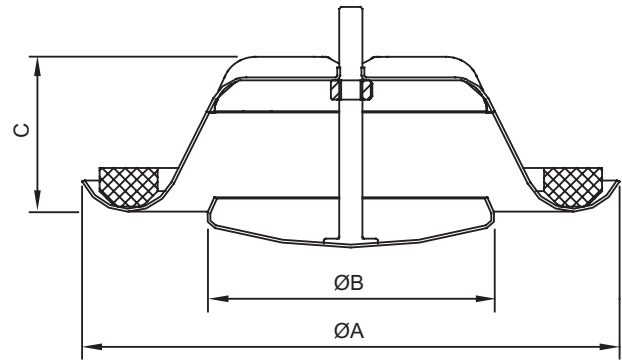
KK	Slot s(mm)	Sound attenuation ΔL (dB)								
		Octave bands, middle frequency, Hz								
		63	125	250	500	1000	2000	4000	8000	
80	-9	24	20	14	10	8	5	5	6	
	0	24	19	13	9	6	3	4	5	
	12	24	19	13	9	5	2	3	4	
100	-10	23	19	14	12	11	10	13	14	
	0	23	16	11	8	7	6	9	8	
	10	23	16	11	7	5	4	7	8	
125	-17	20	19	13	10	7	7	11	14	
	0	18	16	10	6	4	4	5	8	
	9	19	16	9	6	3	3	5	7	
150	-15	21	14	11	8	6	6	8	8	
	0	20	13	9	6	4	4	7	6	
	10	16	14	9	4	3	2	7	7	
160	-15	18	13	11	7	6	6	8	8	
	-10	18	13	10	6	5	5	7	7	
	0	17	13	9	5	4	3	6	6	
200	-15	17	12	8	7	6	7	8	9	
	-5	17	11	7	6	5	6	6	8	
	0	17	11	7	5	5	6	6	7	
Tol.±		6	3	2	2	2	2	2	3	

The average sound attenuation ΔL from duct to room including the end reflection of the connecting duct in ceiling installation, is obtained in the table above.

Definitions

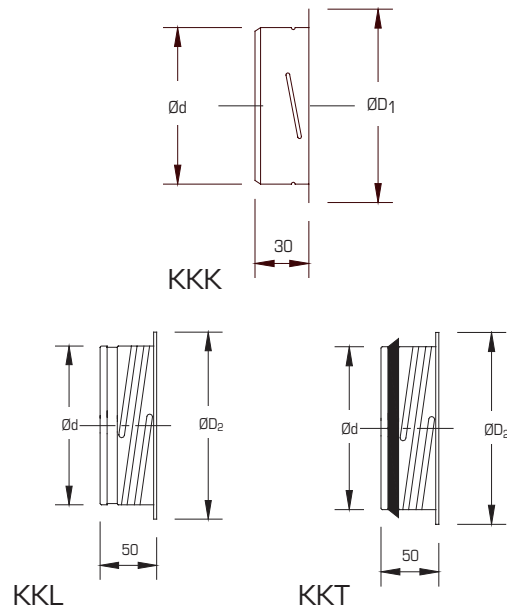
q_v	air volume	l/s
Δp_t	total pressure drop	Pa
L_{p10A}	sound pressure level with 4 dB room attenuation (10 m ² sab)	dB(A)
$L_{W_{oct}}$	sound power level by octave bands	dB
ΔL	sound attenuation	dB
K_{oct}	correction	dB

Dimensions and weight exhaust valve KK



KE	A	B	C	Weight, g
80	116	60	40	150
100	140	75	40	160
125	170	99	46	230
150	202	119	54	340
160	202	119	54	340
200	254	157	64	510

Dimensions and weight mounting rings



Size	Ød	ØD ₁	ØD ₂	Weight, g	
				KKK	KKT/KKL
80	79	-	105	-	80
100	99	127	125	50	100
125	124	155	150	65	120
150	149	176	175	80	180
160	159	186	185	90	190
200	199	230	225	130	240

Construction, installation, product code

Construction

The KK is manufactured from steel sheet painted white. Other paint finishes are available to special order. Stainless steel version KK-C also available. Valve body has a gasket made of cellular plastic and the control disc with screw spindle enables easy regulation and positional locking.

Mounting rings KKK, KKT and KKL are manufactured from galvanized steel sheet. KKT is equipped with rubber sealing gasket. KKR is manufactured from stainless steel.

Installation

Mounting ring KKK, KKT, KKL or KKR is fitted into the duct with screws or rivets. The valve is fixed by "a screwing action" to locate the valve lugs into indents in the mounting ring.

Regulation and measurement of air flow

Regulation of air flow is achieved by turning the control disc to change adjustment dimension s (mm).

The measurement of air flow is made by a pressure difference measurement with a separate measuring tube.

Refer to air flow measurement diagrams found in the separate installation and measurement instructions for information.

Descriptive text

Exhaust valve KK, e.g. KK-125 manufactured by Fläkt Woods.

Product code

Exhaust valve **KK-aaa**

Size _____
080, 100, 125, 150, 160, 200

Exhaust valve, stainless steel **KK-C-aaa**

Size _____
100, 125, 160

Mounting ring without rubber seal **KKK/KKL-aaa**

Size _____
080 (only KKL), 100, 125, 150, 160, 200

Mounting ring with rubber seal **KKT-aaa**

Size _____
080, 100, 125, 150, 160, 200

Mounting ring, stainless steel **KKR-aaa**

Size _____
100, 125, 160