



Uses

The check valve CKK is an exhaust valve used for ventilation systems with low pressure drops.

Design

CKK is made of sheet steel and is stove enamelled in white epoxy (RAL 9010) which gives a shiny and dirt-repelling surface. The valve is equipped with a cellular plastic gasket to form an airtight seal with the mounting ring.

Regulation and measurement of the air flow

The air flow is adjusted by rotating the cone. Use REC's measuring model for adjusting the cone.

Installation

With mounting ring.

Accessories

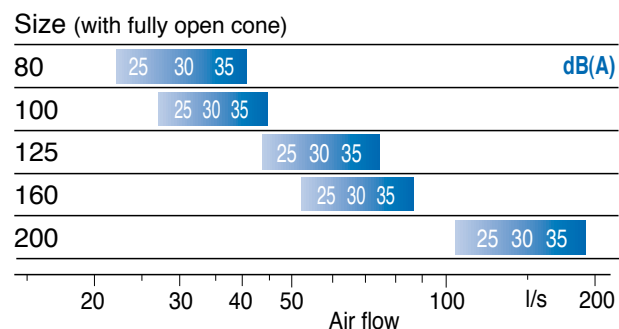
Mounting rings ZR, ZRT, ZRL and ZRU.

Rings ZR, ZRT and ZRL fit ducts. ZRU fits nipple.

Protection plate ZRA, ZRB and ZRC - only dim 100 mm.

Quick selection table, Air flow - Sound level

Capacity 3-180 l/s



When ordering, please state:

Exhaust valve CKK - 125 - ZR

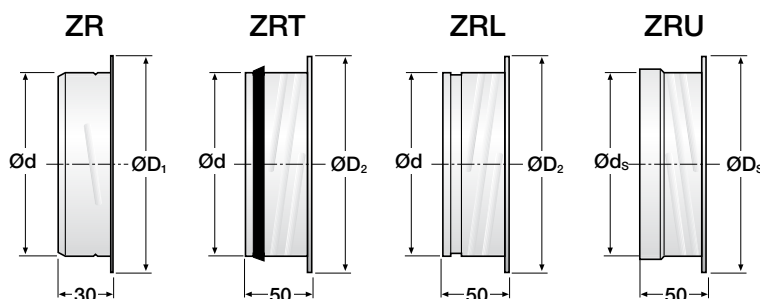
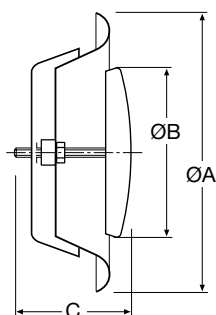
Product _____

Dimension _____

Accessories _____

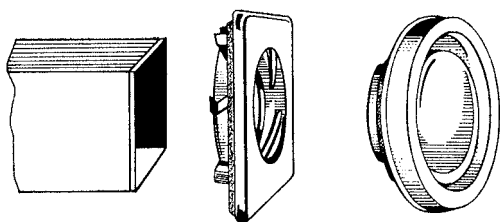
Exhaust valve

Measurement and weight



Size	ØA (mm)	ØB (mm)	C (mm)	F (mm)	Weight (g)
80	115	61,5	42	77,5	150
100	138	75	40	97,5	160
125	164	99	46	122,5	230
160	211	129	54	157,5	370
200	248	157	63	197,5	510

Size	Ød (mm)	ØD ₁ (mm)	ØD ₂ (mm)	Ød _s (mm)	ØD _s (mm)	ZR (g)	ZRT/ZRL/ZRU (g)
80	79	-	105	-	-	-	80
100	99	125	125	100	98	50	100
125	124	155	150	125	123	65	120
160	159	186	185	160	158	100	190
200	199	230	225	200	198	140	240



Size	ZRA outer size (mm)	ZRB outer size (mm)	ZRC outer size (mm)
100	160 x 160	155 x 185	245 x 245

The cover plate is used in rectangular ducts when older types of valves are replaced by CKS.

ZRC has pre-bored holes, ZRA and ZRB have spring socket.

Sound attenuation

Sound power level L_w

The sound power level in octave band $L_{w_{okt}}$, dB is obtained by adding the sound level L_{p10A} , dB(A) shown in the charts to the correction factor:

$$L_{w_{okt}} = L_{p10A} + K_{okt}$$

CKK

Correction factor in octave band K_{okt} (dB)

Size	Medium frequency (Hz)						
	125	250	500	1000	2000	4000	8000
80	1	-2	1	0	-3	-10	-22
100	-2	-4	-3	0	-1	-8	-16
125	4	3	1	-1	-3	-12	-22
160	-1	0	1	0	-4	-13	-26
200	0	-5	1	2	-13	-28	-32
Tol.±	3	2	2	2	2	2	3

Sound attenuation ΔL

The sound attenuation, ΔL , shows the reduction of the sound power level calculated from duct to room.

Size	Regul. (mm)	Medium 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	-6	23	17	13	11	9	9	10	12
	0	23	17	12	9	7	7	7	9
	+12	22	16	11	7	5	5	5	7
125	-12	21	15	12	11	8	9	12	11
	-3	20	15	10	8	6	6	6	10
	+6	21	14	9	7	4	4	6	8
160	-15	18	14	12	10	9	9	13	15
	-5	14	13	10	7	6	6	9	10
	+5	14	13	8	5	4	4	7	7
200	-20	17	13	11	9	8	10	13	11
	0	17	11	7	6	5	6	8	6
	+20	17	10	6	4	3	8	8	4
Tol±		6	3	2	2	2	2	2	3

Installation diagram

