Air Valves Type KAB and KA

KAB and KA are circular disc valves as air extract and supply, they are recommended applied in small rooms. KAB is suitable for installed on suspended ceilings and side walls. KA is suitable for installed on suspended ceilings to supply air, suitable for room with a height of less than 4 meters.

The air valve is composed of an outer disc frame with a crossbar and an inner disc core with a threaded shaft. The material is galvanized steel. The pressure drop of air valves could be changed by adjusting the depth of the inner core of the disc to adjust the air rate balance.

- Nominal sizes 100, 125, 160, 200mm.
- Air volume rate range: 30 - 300 m^3/h or 10 - 90 l/s.
- Could adjust the air rate balance on site, via adjusting the depth of the inner core of the disc.
- KA could supply air attached on ceilings.

Order Code

KAB / 160 / 0 / RAL9010

1 2 3 4

1 Type

KAB Extract air
KA Supply air

2 Nominal sizes

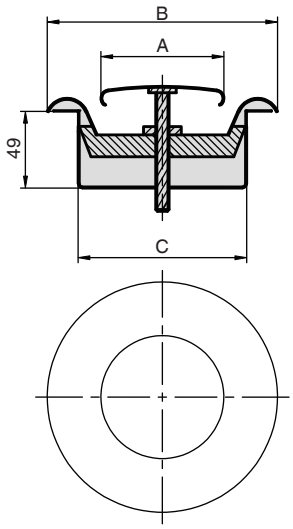
100
125
160
200

3 Powder - coated

0 Standard powder coated to RAL9010
P1 Other color

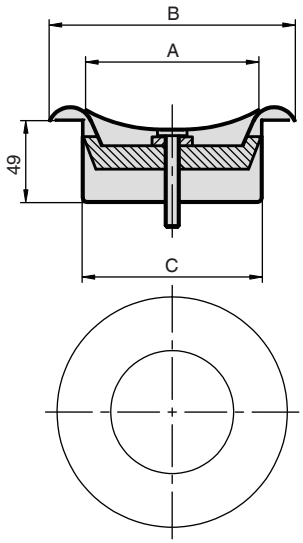
4 Exposed surface

KAB



	A	B	C
	mm	mm	mm
100	74	139	98
125	98	164	123
160	129	208	158
200	157	248	197

KA



	A	B	C
	mm	mm	mm
100	93	139	98
125	112	165	123
160	148	208	158
200	195	248	197

Air Valves Type KAB and KA

Quick Sizing

Nominal size	Volume m^3/h	Volume l/s	Core depth - 5mm		Core depth 0mm		Core depth + 5mm	
			Δpt Pa	LwA dB(A)	Δpt Pa	LwA dB(A)	Δpt Pa	LwA dB(A)
KAB/100	36	10	122	23	43	25	20	16
	54	15	-	-	100	36	45	26
	72	20	-	-	-	-	82	34
	90	25	-	-	-	-	127	39
KAB/125	54	15	47	21	24	<15	14	<15
	72	20	84	28	42	21	26	<15
	90	25	129	34	66	27	41	20
	108	30	-	-	94	31	60	25

Nominal size	Volume m^3/h	Volume l/s	Core depth - 10mm		Core depth - 5mm		Core depth + 5mm	
			Δpt Pa	LwA dB(A)	Δpt Pa	LwA dB(A)	Δpt Pa	LwA dB(A)
KAB/160	72	20	125	34	45	20	12	<15
	90	25	194	43	69	26	21	<15
	108	30	-	-	105	32	29	17
	126	35	-	-	142	36	40	22

Nominal size	Volume m^3/h	Volume l/s	Core depth - 15mm		Core depth - 5mm		Core depth + 5mm	
			Δpt Pa	LwA dB(A)	Δpt Pa	LwA dB(A)	Δpt Pa	LwA dB(A)
KAB/200	90	25	82	32	23	<15	10	<15
	126	35	148	40	42	22	19	<15
	162	45	-	-	67	28	29	20
	180	50	-	-	81	32	36	25

Nominal size	Volume m^3/h	Volume l/s	Core depth + 8mm			Core depth + 10mm			Core depth + 12mm		
			Δpt Pa	LwA dB(A)	Throw distance[1] mm	Δpt Pa	LwA dB(A)	Throw distance[1] mm	Δpt Pa	LwA dB(A)	Throw distance[1] mm
KA/100	36	10	11	<15	420	7	<15	390	6	<15	375
	54	15	25	22	635	15	19	590	14	19	565
	72	20	45	30	850	28	26	785	25	26	755
	90	25	68	36	1065	44	33	985	40	33	945
KA/125	54	15	10	<15	560	7	<15	520	6	<15	495
	72	20	17	<15	820	12	<15	695	10	<15	635
	90	25	25	17	1060	18	17	870	15	16	775
	108	30	37	21	1285	27	21	1040	21	19	920

Nominal size	Volume m^3/h	Volume l/s	Core depth + 10mm			Core depth + 15mm			Core depth + 20mm		
			Δpt Pa	LwA dB(A)	Throw distance[1] mm	Δpt Pa	LwA dB(A)	Throw distance[1] mm	Δpt Pa	LwA dB(A)	Throw distance[1] mm
KA/160	72	20	6	<15	645	4	<15	520	3	<15	430
	108	30	14	<15	1020	8	<15	800	6	<15	690
	144	40	25	21	1380	15	19	1060	11	<15	910
	180	50	39	26	1710	23	24	1330	17	22	1140
KA/200	108	30	10	<15	1100	6	<15	850	4	<15	670
	180	50	28	22	1800	17	<15	1420	11	<15	1130
	252	70	53	30	2460	33	25	1950	20	23	1545
	324	90	86	38	3055	52	31	2430	33	30	1955

Note: 1 The throw distance is for attached flow, terminal velocity is 0.5 m/s.