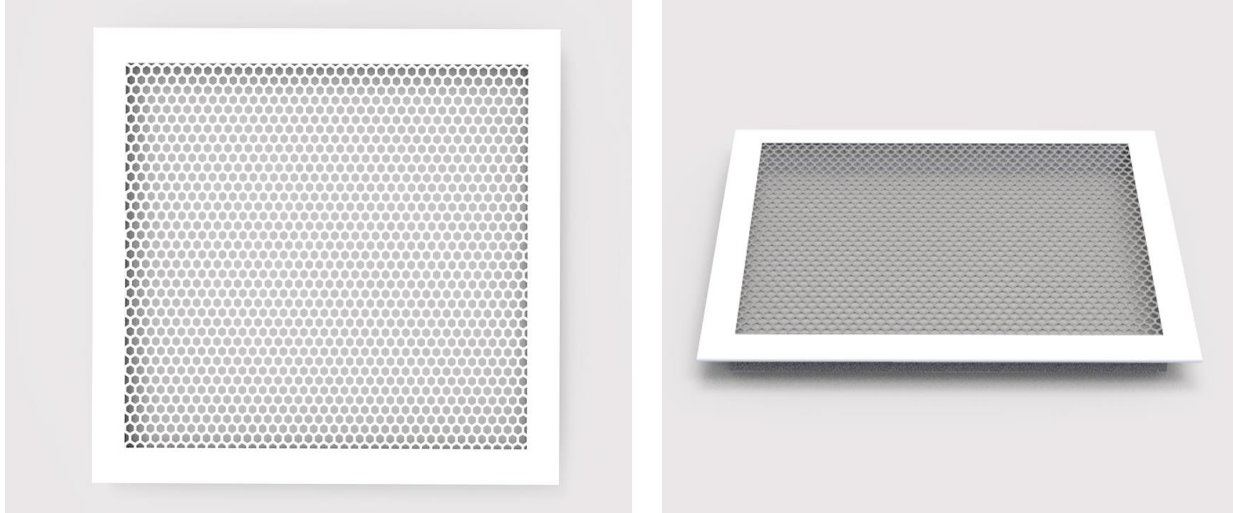


**PERFORATED DIFFUSERS – LOW SPEED DIFFUSERS–CKD-05**



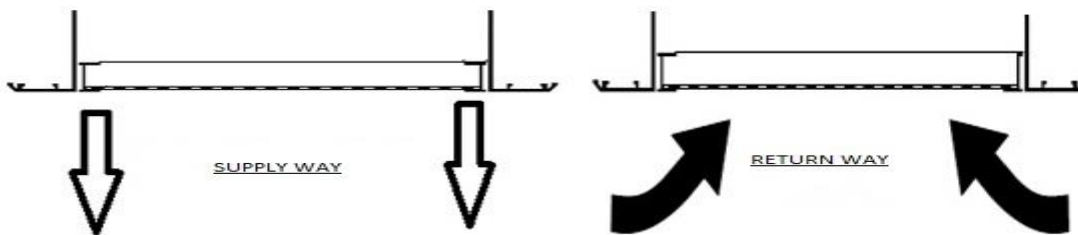
**AREAS OF USE AND FEATURES:** It is used as blowing and suction diffusers in Hvac systems. It is suitable for vertical and horizontal use. The ideal shooting distance is between 2.5-3.5 m. It is used in ceiling and wall applications. It is standard screw mounted. The way of mounting can be changed optionally. The effective area is about 50%.

**MATERIAL:** Frame is made of aluminum profile, culvert 1 mm, with DKP material, Ø5 mm perforated hole.

**SURFACE COATING:** The product can be produced in any color with electrostatic powder paint.

**ACCESSORIES:** Plenum box

**AIR DIRECTION**



**SUPPLY TABLE**

**RETURN TABLE**

A*B (mm)	AIR FLOW Q (m <sup>3</sup> /h)	AIR VELOCITY Vn (m/s)	PRESSURE LOSS Ps (Pa)	SOUND LEVEL NC (dB)	SHOT DISTANCE E (m.)
255 x 255	108	1,7	3	-	-0,8
	144	2,25	5	-	0.5-1.0
	180	2,9	6	-	0.7-1.2
	216	3,5	8	-	0.8-1.5
	252	3,95	12	23	1.1-1.8
	288	4,5	14	28	1.2-2.1
	324	5	17	32	1.5-2.5
	360	5,65	20	34	1.8-3.0
355 x 355	216	1,9	2	-	0.7-1.0
	288	2,5	5	15	0.9-1.5
	360	3,2	6	22	1.0-1.6
	432	3,8	7	23	1.3-1.8
	504	4,45	10	27	1.5-2.2
	576	5,1	14	31	1.8-2.7
	648	5,7	19	38	2.2-3.3
	720	6,35	22	40	2.4-3.5
455 x 455	288	1,6	3	17	0.6-1.0
	360	2,05	5	20	0.8-1.4
	432	2,45	7	21	1.0-1.6
	504	2,85	10	24	1.4-2.0
	576	3,25	12	27	1.7-2.4
	648	3,7	14	30	2.0-3.0
	720	4,1	17	31	2.4-3.4
	792	4,5	20	36	2.7-3.7
555 x 555	180	2,9	3	-	0.6-1.1
	216	3,5	3	-	0.8-1.4
	252	3,95	4	16	1.2-1.8
	288	4,5	5	19	1.2-2.2
	324	5	7	26	1.4-2.5
	360	5,65	9	28	1.6-2.8
	396	6,2	13	33	2.0-3.2
	432	6,8	18	38	2.3-3.6
555 x 555	288	2,5	3	18	0.8-1.3
	360	3,2	5	19	1.0-1.6
	432	3,8	6	21	1.2-1.8
	504	4,45	7	24	1.5-2.4
	576	5,1	10	27	2.0-3.2
	648	5,7	13	34	2.3-3.6
	720	6,35	18	38	2.6-4.0
	792	7	23	40	3.0-4.5
555 x 555	360	2	3	-	1.2-1.8
	540	3,05	6	22	1.5-2.2
	648	3,7	7	24	1.8-2.4
	720	4,1	8	28	2.3-3.2
	828	4,7	11	30	2.7-3.8
	936	5,3	15	32	3.0-4.3
	1008	5,7	19	34	3.4-4.8
	1080	6,1	26	36	3.7-5.1

A*B (mm)	AIR FLOW Q (m <sup>3</sup> /h)	AIR VELOCITY Vn (m/s)	PRESSURE LOSS Ps (Pa)	SOUND LEVEL NC (dB)
250 x 250	180	0,85	6	-
	270	1,3	8	16
	360	1,75	12	20
	450	2,2	19	25
	540	2,6	25	28
	720	3,5	40	35
	900	4,35	63	38
	350 x 350	540	1,3	8
720		1,75	17	22
900		2,15	29	26
1080		2,6	38	32
1350		3,25	52	35
1530		3,7	63	39
1800		4,3	94	44
450 x 450		900	1,3	12
	1080	1,55	16	23
	1260	1,8	20	27
	1440	2,1	26	29
	1620	2,35	33	32
	1800	2,6	42	35
550 x 550	1260	1,2	5	17
	1530	1,45	15	26
	1800	1,75	21	30
	2070	2	29	32
	2250	2,15	32	35
	2520	2,4	37	38
	2880	2,75	45	42