



✿ CRC APPLICATION

CRC round diffuser is suitable for flush installation in ceiling, they can be used in supply or extract air. The aerodynamically radial core design guarantees a uniform radial discharge in supply air application



✿ CRC STANDARD CONSTRUCTION / FEATURES

- CRC diffuser offer even horizontal radial discharge, diffuser face comprising concentrically circular cones and circular border.
- CRC round diffuser is constructed of aluminum material. The cone and border is deep drawn pressed.
- Phosphate treated with white powder coated (RAL9010) as the standard finished.
- The versatile shape diffuser core is removable for maintenance of fixing purposed.

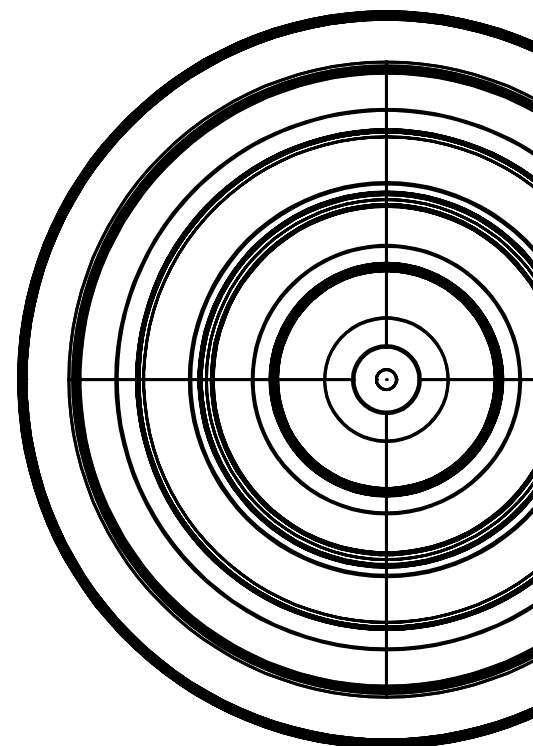
❖ **CRC OPTIONS**

- Optionally with radial blade damper for air balancing is available.
- Plenum box with internal line 5mm PE foam.
- All other RAL color.

❖ **CRC ORDER KEY INFORMATION**

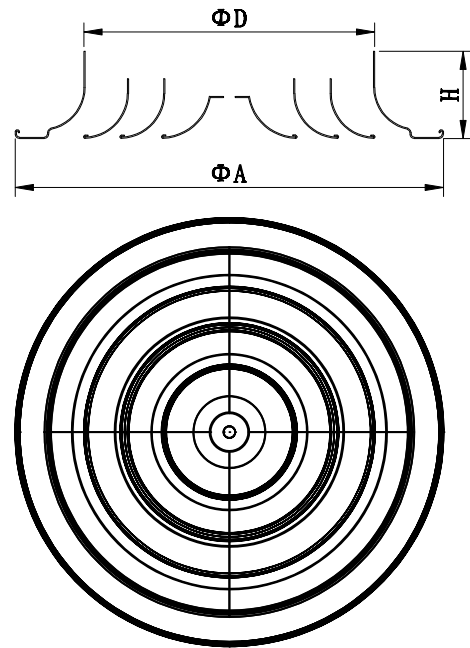
CRC - A - RBD

<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px;"> Accessories </div>	<div style="border-right: 1px solid black; padding: 5px;"> Radial Blade Damper(RBD), Plenum Box (PB), Insulated P.Box (PBL) </div>
<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> Material </div>	<div style="border-right: 1px solid black; padding: 5px;"> Aluminum (A) </div>
<div style="border-left: 1px solid black; border-right: 1px solid black; padding: 5px;"> Model </div>	<div style="border-right: 1px solid black; padding: 5px;"> CRC – Ceiling Round Diffuser </div>



❖ CRC DIMENSIONS LISTED IN MM

Size	ØD	ØA	H
150	149	244	60
200	199	294	60
250	249	344	60
300	299	394	60
350	349	444	60
400	395	490	60
450	455	605	60



❖ CRC PERFORMANCE DATA

Size	Neck Velocity	400	500	600	700	800	900	1000	1200	1400
	Velocity Pressure	0.010	0.016	0.022	0.031	0.040	0.050	0.062	0.090	0.122
Total Pressure		0.027	0.043	0.061	0.083	0.109	0.138	0.170	0.245	0.334
150	Airflow(CFM)	80	100	120	140	160	180	200	235	275
	NC	-	-	22	27	31	34	37	43	46
	Throw (ft.)	2-2-5	2-3-6	2-3-7	3-4-7	3-5-8	3-5-8	4-6-9	4-7-9	5-7-10
200	Airflow(CFM)	140	175	210	245	280	315	350	420	490
	NC	-	-	23	28	32	35	38	44	49
	Throw (ft.)	2-3-6	2-4-7	3-4-9	3-5-10	4-6-10	4-7-11	5-7-11	6-9-12	7-10-13
250	Airflow(CFM)	218	273	327	382	436	491	545	654	763
	NC	-	-	24	29	33	36	39	45	49
	Throw (ft.)	2-4-7	3-5-9	4-6-11	4-7-12	5-7-13	6-8-13	6-9-14	7-11-16	9-12-17
300	Airflow(CFM)	315	390	470	550	630	705	785	940	1100
	NC	-	-	25	29	33	37	40	45	50
	Throw (ft.)	3-4-9	4-6-11	4-7-13	5-8-14	6-9-15	7-10-16	7-11-17	9-13-19	10-14-20
350	Airflow(CFM)	425	530	635	745	850	955	1060	1270	1490
	NC	-	-	25	30	35	37	41	46	51
	Throw (ft.)	3-5-10	4-6-13	5-8-15	3-9-17	7-10-18	8-12-19	9-13-20	10-15-22	12-17-23
400	Airflow(CFM)	550	680	820	960	1100	1230	1380	1650	1940
	NC	-	-	-	25	29	33	37	42	47
	Throw (ft.)	5-6-9	6-8-11	6-9-12	7-10-14	8-10-16	9-11-19	10-13-21	12-15-25	14-18-29
450	Airflow(CFM)	705	860	1020	1210	1390	1550	1720	2090	2420
	NC	-	-	20	26	31	35	38	44	50
	Throw (ft.)	5-8-10	6-9-12	7-8-14	8-11-16	9-11-19	10-13-21	11-14-23	13-18-28	15-21-32

Notes:

- All pressures are given in inches of water.
- Throw values are given for terminal velocities of 150, 100 and 50 fpm.
- Throw values are given for isothermal conditions.
- To obtain static pressure, subtract the velocity pressure from the total pressure.
- If the diffuser is mounted on an exposed duct, the throw values are 70% of those listed in the table and will be projected downward.
- Each NC value represents the noise criteria curve which will not be exceeded by the sound pressure in any of the octave bands. 2nd through 7th, with a room absorption of 10dB, re 10⁻¹² watts.
- Dash (-) in space denotes an NC value of less than 20.