

WELCOME TO

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We aim to supply the highest qualite products and manufacturing efficient designs with new technologies and energy - saving and comforble ventilation in all types of buildings

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CEILING DIFFUSER

Out standing technique for highest demands Unique in comfort, acousrics and design

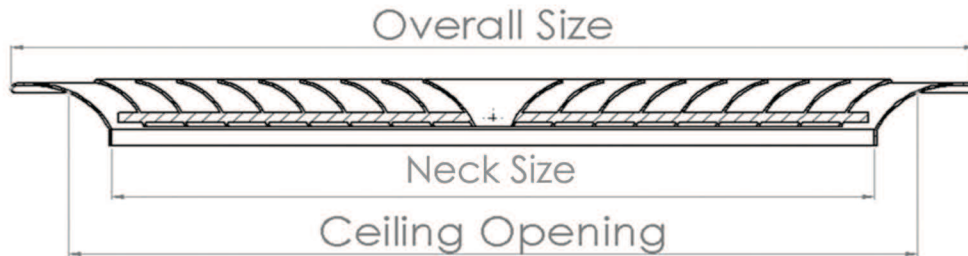


ROUND CEILING DIFFUSER



Out standing technique for highest demands Unique in comfort, acousrics and design

Construction



1 - Outer ring

Made from High quality aluminum profile with 30 mm flange width.

2 - Inner rings

Made from High quality aluminum profile.

3 - Damper frame and blades

Made from High quality aluminum sheets.

Description



- Outer ring and inner rings are made from high quality extruded aluminum with powder coated color finish.
- Core can be easily removable and changeable to allow for maximum flexibility in installation, maintenance and damper adjustment.
- Diffuser can be supplied with easily removable volume damper. Damper is fixed rigidly to the frame by rivets.
- The round diffuser may be used as supply or return air diffuser according to the application design Supply round diffuser and return round diffuser can be supplied with volume damper to control static pressure and the air volume flow rate.
- Foam gasket is sealed around the back of the frame as option to avoid air leakage.
- Powder coated color finish per RAL color codes as standard and flexibility of finish.

Adjustable Core

- Diffuser core can be easily removable and changeable to allow for maximum flexibility in installation , maintenance and ampere adjustment.



Performance Data

Neck dia in mm	Face velocity in m/sec	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
150	Cfm	51	66	78	91	106	125	137	152	172
	M ³ /sec	0.0241	0.0311	0.037	0.043	0.050	0.059	0.065	0.072	0.081
	Ps in mm H ₂ O	0.20	0.264	0.387	0.536	0.680	0.810	0.950	1.120	1.40
	Throw in m	0.9-0.5	1.1-0.7	1.3-0.9	1.6-1.1	2.0-1.5	2.5-2.0	2.9-2.4	3.4-2.8	4.0-3.3
	NC	<15	15	20	24	29	31	36	42	49
200	Cfm	72	93	117	136	155	174	195	218	248
	M ³ /sec	0.034	0.044	0.055	0.064	0.073	0.082	0.092	0.103	0.117
	Ps in mm H ₂ O	0.230	0.279	0.447	0.677	0.850	1.050	1.250	1.510	2.1
	Throw in m	1.3-0.85	1.5-1.0	1.8-1.3	2.1-1.5	2.5-1.9	2.9-2.2	3.4-2.6	4.0-3.1	4.8-3.7
	NC	<15	15	20	23	28	31	35	42	50
250	Cfm	116	146	176	203	231	258	288	320	358
	M ³ /sec	0.055	0.067	0.083	0.096	0.109	0.122	0.136	0.151	0.167
	Ps in mm H ₂ O	0.301	0.362	0.487	0.661	1.080	1.290	1.530	2.0	2.40
	Throw in m	1.6-1.1	1.9-1.4	2.4-1.8	2.7-2.0	3.0-2.2	3.5-2.5	4.2-3.0	5.0-3.6	6.0-4.4
	NC	<15	15	18	23	29	33	38	45	53
300	Cfm	177	222	267	314	354	392	437	487	542
	M ³ /sec	0.083	0.105	0.126	0.148	0.167	0.185	0.206	0.230	0.257
	Ps in mm H ₂ O	0.410	0.480	0.653	1.020	1.260	1.820	2.20	2.60	3.20
	Throw in m	1.8-1.3	2.2-1.6	2.5-2.0	3.1-2.5	3.6-3.0	4.2-3.2	4.9-3.8	5.8-4.6	7.0-5.6
	NC	<15	15	21	25	30	34	38	45	55
350	Cfm	244	297	350	413	466	530	583	639	699
	M ³ /sec	0.115	0.140	0.165	0.195	0.220	0.250	0.275	0.301	0.330
	Ps in mm H ₂ O	0.194	0.229	0.390	0.586	0.809	1.160	1.40	1.680	2.020
	Throw in m	2.0-1.4	2.5-1.7	3.1-2.4	3.6-2.7	4.2-3.0	4.7-2.3	5.6-3.9	6.7-4.6	8.1-5.6
	NC	<15	15	19	26	30	35	43	52	60
400	Cfm	270	333	396	460	530	591	654	719	789
	M ³ /sec	0.127	0.157	0.187	0.217	0.250	0.279	0.308	0.339	0.372
	Ps in mm H ₂ O	0.163	0.192	0.309	0.469	0.589	0.827	1.10	1.40	1.70
	Throw in m	2.1-1.5	2.5-1.8	3.0-2.3	3.6-2.7	4.1-3.0	4.6-3.2	5.4-3.8	6.5-4.6	7.9-5.4
	NC	<15	15	20	25	29	34	41	50	61

- Neck velocity is measured in m/sec.
- Ps: static pressure loss across the diffuser in mm of H₂O.
- Throw (meters) is measured for a terminal velocities of 0.25, 0.5 & 0.75 m/sec.
- Noise criteria (NC) based on a room attenuation of 10 db.

How To Order

