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ROUND GRILLES AND DIFFUSERS



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L-DR1000

SERIES ROUND DIFFUSERS

SERIES L - DR - 1000 ROUND DIFFUSERS

FEATURES

- Economical high performance
- All aluminum construction
- Matching butterfly damper available



Series L-DR-1000 low cost, high performance and pleasing appearance make it an excellent ceiling outlet for residential, apartment and light commercial applications. Series L-DR-1000 air diffusers also offer an ideal solution for air distribution remodeling problems. The outer mounting ring is designed for installation in existing ceiling openings ranging from 6" to 14" in diameter.

Construction

Series L-DR-1000 Diffusers are manufactured entirely of aluminium material. Outer mounting ring is gasketed to prevent air leakage and streaking. Deep outer cone contour minimizes smudging by keeping air stream away from ceiling adjacent to the diffuser.

PERFORMANCE

Series L- DR1000 Diffusers' dropped cone design provides efficient horizontal air distribution in a radial pattern (360°)

at temperature differentials up to 20° F in normal ceiling height applications. In cooling applications of 15° - 20° F optimum performance is achieved with neck velocities up to, but not exceeding 700 FPM. Higher than normal ceilings permit selection at velocities beyond the 700 FPM range.

FINISH

Standard finish is off-white.

Accessories

Series LD2 Damper is also manufactured entirely of and designed to give jam-free operation for the outlet. Damper operator knob is high impact nylon and may be removed after the system is balanced to prevent tampering 14" model LD is configured as an 8 blade radial opposed blade damper in lieu of the standard 2 blade butterfly style available in sizes 6" - 12".

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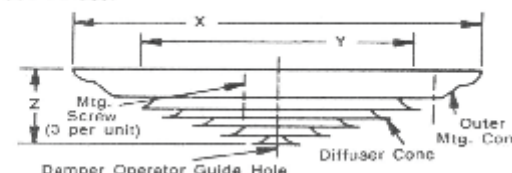


L-DR1000

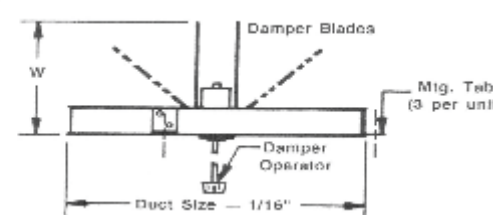
SERIES ROUND DIFFUSERS

Dimensional Data

Series L-DR 1000 Diffuser



Series L-D2 Damper



- CFM** -cubic feet (air) per minute
- PT** -total pressure in inches of H2O
- NC** -noise criteria, sound pressure level
- <** -less than NC 20
- FPM** -neck velocity in feet per minute (Vn)
- THROW** -distance in feet air travels from outlet at a given terminal velocity (Vt); throw values in table based on terminal velocities of 150, 10 and 65 FPM respectively with residual velocities (Vr) of 75, 50 and 35 FPM.
- Vt** -air stream terminal velocity in FPM
- Vr** -residual or room velocity in FPM

Dimensions

Size	X	Y	Z	No. Of Cones	W
6	10 1/8	5 13/16	1 7/8	3	3
8	12 1/8	7 13/16	2 3/16	4	4
10	14 1/8	9 13/16	2 1/2	5	5
12	16 1/8	11 13/16	2 13/16	6	6
14	18 1/8	13 13/16	3 1/8	7	6 1/4

PERFORMANCE DATA

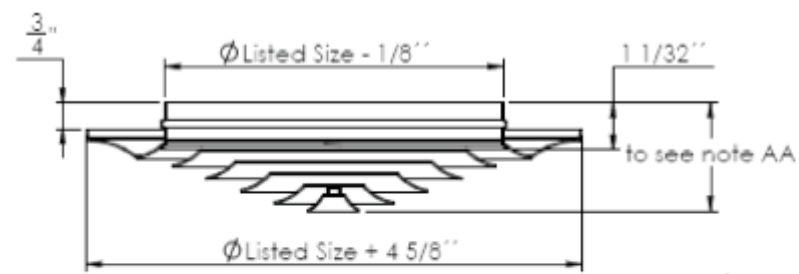
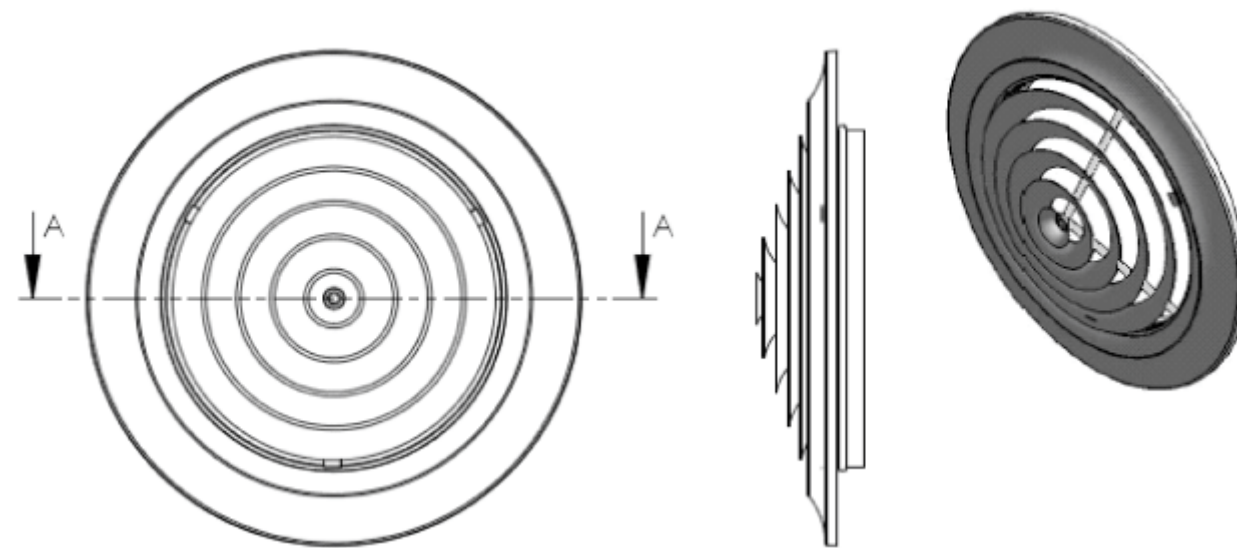
Series L-DR-1000

Neck Size	FPM	200	300	400	500	600	700	800	900	1000
		Pt	.005	.010	.015	.025	.035	.050	.065	.080
6"	CFM	37	55	75	90	110	130	145	165	185
	Throw	3-5	3-5	3-6	3-6	4-6	4-6	4-6	5-7	5-7
	NC	<	<	<	<	20	23	25	25	30
8"	CFM	65	100	135	165	200	230	265	300	330
	Throw	4-6	4-6	4-6	5-7	5-8	5-8	5-8	5-9	6-10
	NC	<	<	<	20	25	25	28	30	35
10"	CFM	105	160	210	265	315	370	420	475	525
	Throw	4-7	5-8	5-9	5-10	6-11	6-12	7-13	7-14	7-14
	NC	<	<	<	20	25	30	30	35	35
12"	CFM	150	230	305	380	455	535	610	685	760
	Throw	5-8	5-9	6-10	6-11	6-12	7-13	7-14	9-16	10-18
	NC	<	<	20	25	25	30	30	35	35
14"	CFM	200	310	415	520	625	730	830	935	1040
	Throw	6-9	7-11	8-13	9-14	11-15	12-17	13-19	15-21	18-23
	NC	<	<	20	25	30	30	35	35	40

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SECCIÓN A-A
ESCALA 1 : 5

Note AA:
The height vary in accordance with the size.

Size \varnothing	AA
6"	2 7/16"
8"	2 13/16"
10"	3 3/16"
12"	3 1/2"
14"	3 7/8"

Finish
White (Standard)
Other colors (Optional)