

MINIMUM SECURITY DIFFUSERS

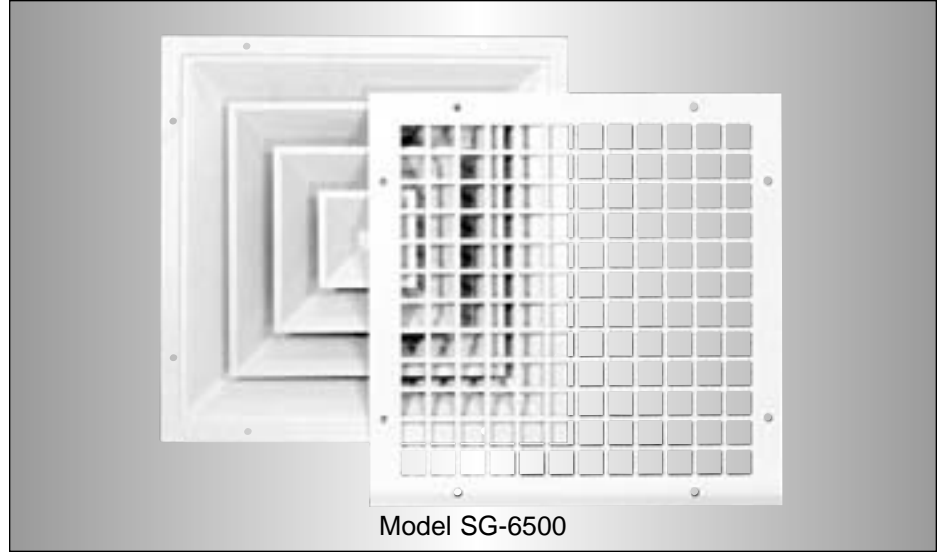
- LOUVERED CORE
- LATTICE FACE
- 1, 2, 3 OR 4-WAY BLOW PATTERN

Models:

SG-6500 Steel

SG-6200 Aluminum

- Suffix '-O' adds an opposed blade damper



Model SG-6500 is most often used in minimum security areas such as lobbies and foyers where constant supervision is required. This ceiling diffuser assembly combines the high performance **Model Series 6500 Pattern Diffuser** with a heavy gauge steel lattice grille mounted on the diffuser face. Also available in aluminum construction as **Model SG-6200**.

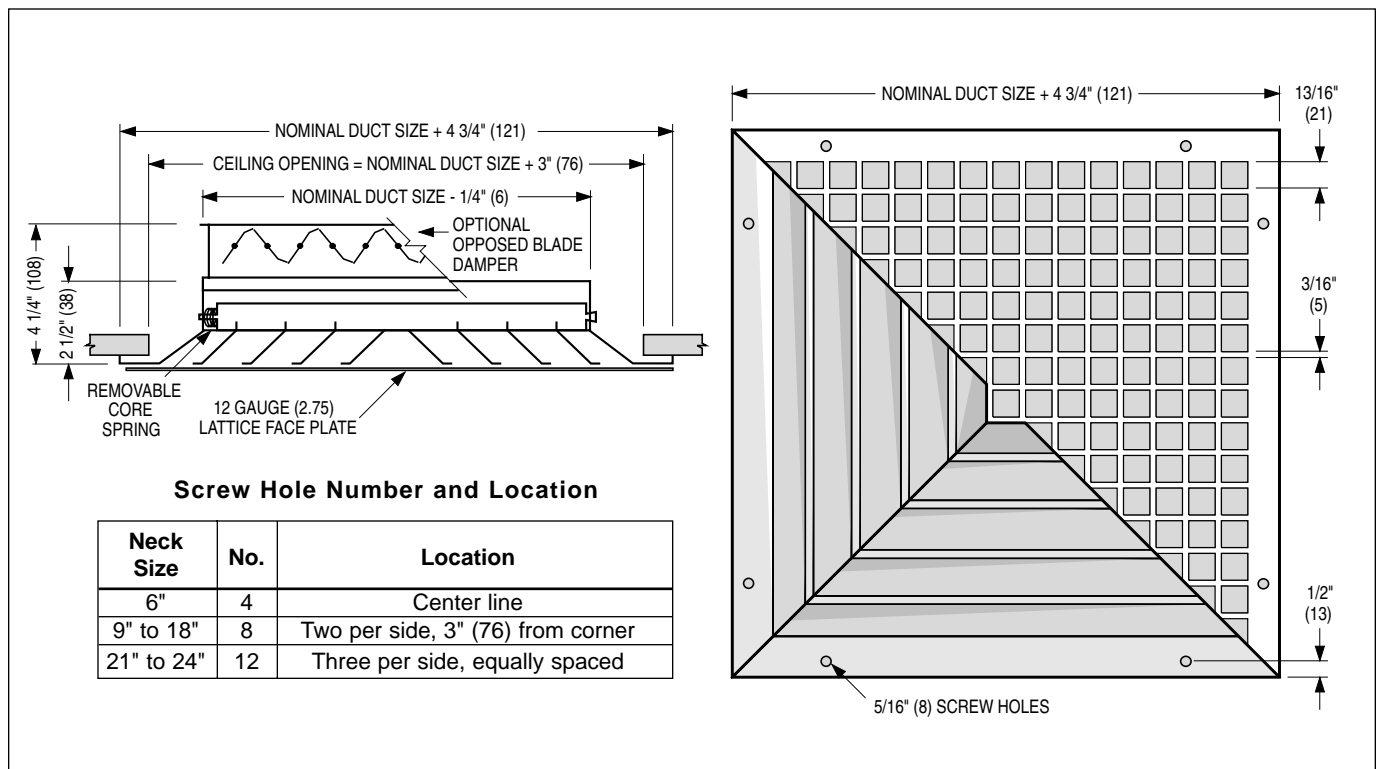
FEATURES:

- The **Model Series 6500** or **6200** diffuser with Frame Type S and 1, 2, 3 or 4-way blow pattern.
- Face plate is constructed of 12 gauge steel with 13/16" (21) square holes on 1" (25) centers. 3/16" (5) fret bars.

- Standard finish is AW Appliance White. Other finishes are available.
- Screw holes provided in face plate. Tamper proof/security screws by others to suit local requirements.
- Available in square neck sizes 6" x 6" (152 x 152) through 24" x 24" (610 x 610) in 3" (76) increments.

Option:

- Opposed blade damper. Adjustable from the face with lattice and core removed.



Performance Data

Models SG-6500 and SG-6200

Nominal Neck Size	Neck Velocity, FPM TP	100	200	300	400	500	600	700
		.006	.022	.049	.087	.134	.193	.270
6 x 6 .25 Sq. ft.	CFM	25	50	75	100	125	150	175
	NC	—	—	—	—	23	30	34
	T	1-1-2	1-2-3	1-3-5	3-5-7	3-6-8	4-7-10	5-7-11
9 x 9 .56 Sq. ft.	CFM	55	110	170	225	280	335	390
	NC	—	—	—	22	29	36	40
	T	1-1-2	1-3-5	3-5-7	5-7-10	6-8-12	7-10-15	8-10-17
12 x 12 1.0 Sq. ft.	CFM	100	200	300	400	500	600	700
	NC	—	—	—	26	34	40	45
	T	1-1-2	2-4-5	4-6-9	6-9-12	7-10-15	9-13-20	10-13-21
15 x 15 1.56 Sq. ft.	CFM	155	310	470	625	780	935	1090
	NC	—	—	21	29	37	43	48
	T	1-2-4	2-5-8	4-8-12	8-11-13	10-13-21	11-16-26	13-18-29
18 x 18 2.25 Sq. ft.	CFM	225	450	675	900	1125	1350	1575
	NC	—	—	24	34	41	45	51
	T	1-2-4	3-7-11	5-9-15	8-12-20	11-16-27	13-19-31	14-21-35
21 x 21 3.06 Sq. ft.	CFM	305	610	920	1225	1530	1835	2140
	NC	—	—	26	35	43	48	53
	T	1-3-5	3-8-12	7-11-18	10-15-24	13-20-29	15-22-36	17-24-40
24 x 24 4.0 Sq. ft.	CFM	400	800	1200	1600	2000	2400	2800
	NC	—	—	28	37	44	50	54
	T	1-3-5	4-6-13	8-12-21	12-15-28	16-22-35	18-26-42	20-29-45

CFM - cubic feet per minute

FPM - feet per minute velocity

TP - total pressure - inches w.g.

T - throw in feet

NC - Noise Criteria (values) based on 10 dB room absorption, re 10⁻¹² watts.

Performance Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities.
2. NC values less than 20 are not shown.
3. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 1991.