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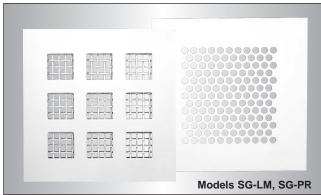
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SECURITY PRODUCTS

GENERAL PRODUCT OVERVIEW

Security Products

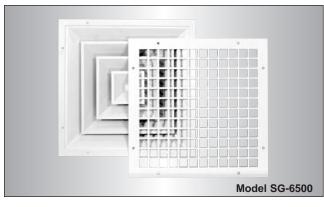
Nailor offers a complete line of Security Grilles, Registers and Diffusers. The product line includes grilles and registers for maximum, medium and minimum security and a diffuser for minimum security applications. The grilles and registers that are for use in the highest security areas are constructed from very heavy gauge welded steel that provides exceptional strength and durability. A wide range of options and accessories are available that can enhance the strength and performance of the grilles and registers.



Maximum Security Grilles

Nailor's maximum security grilles and registers are constructed from heavy gauge welded steel and are for use in areas where maximum security is vital. These grilles can be used for both supply and return air applications.

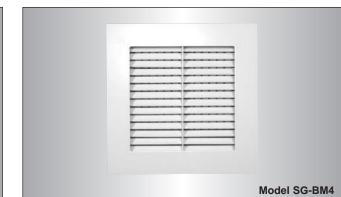
Lattice Face w/Mesh	Model SG-LM	See page H5
Perforated Face Plate	Model SG-PR	See page H8



Minimum Security Diffusers

These diffusers are a combination of a louvered pattern diffuser with a lattice face plate for minimum security protection. The diffusers are available with a choice of 1, 2, 3 or 4-way throw patterns. Use these diffusers in applications where constant supervision occurs.

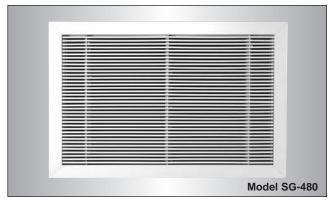
Steel	Model SG-6500	See page H13
Aluminum	Model SG-6200	See page H13
Suffix '-O' add	ds an opposed blade da	amper.



Medium to Minimum Security Grilles

This sidewall bar grille is constructed from 14 gauge steel and has blades that are fixed at 40° or 0° deflection. The louvered blade and steel mesh screen are reinforced with heavy gauge steel mullions and a welded sleeve. These grilles can be used for both supply and return air applications.

40° Deflection	Model SG-BM4	See page H11
0° Deflection	Model SG-BMZ	See page H11

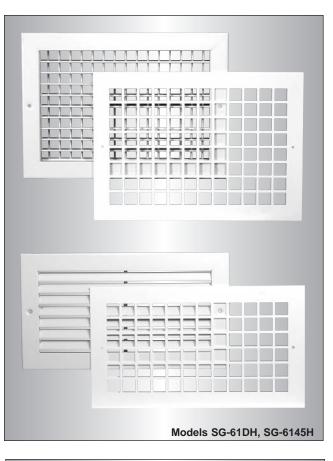


Minimum Security/Bar Grilles and Registers

These minimum security/bar grilles are all aluminum rustproof construction, which makes them ideal for use in showers and wet areas. The frame and blades are welded for extra strength. These grilles have 0° deflection blades that are spaced on either 1/2" (13) or 1/4" (6) centers.

1/2" (13) Spacing	Model SG-280	See page H15
1/4" (6) Spacing	Model SG-480	See page H15

SECURITY PRODUCTS



Minimum Security Grilles and Registers

These louvered blade grilles and registers are paired up with a lattice face plate to meet minimum security requirements. They are available for both supply and return air applications with a choice of steel or aluminum construction.

Double Deflection Supply Steel - Models SG-61DV, SG-61DH Aluminum - Models SG-51DV, SG-51D Suffix '-O' adds an opposed blade damp	
Single Deflection Supply Steel - Models SG-61SV, SG-61SH Aluminum - Models SG-51SV, SG-51S	See page H18 H

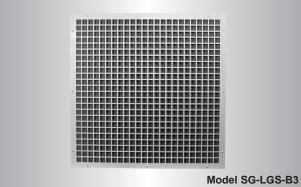
Suffix '-O' adds an opposed blade damper. Fixed, 45° Deflection

See page H19

Steel - Models SG-6145H, SG-6145V Aluminum - Models SG-5145H, SG-5145V Suffix '-O' adds an opposed blade damper.

See page H20

Fixed, 0° Deflection Steel - Models SG-61FH, SG-61FV Aluminum - Models SG-51FH, SG-51FV Suffix '-O' adds an opposed blade damper.



Minimum Security Lattice Face Grilles

These lattice face grilles are offered as an economical return air grille for minimum security applications. They are available in heavy gauge steel or heavy gauge aluminum with a selection of hole pattern designs.

Steel	Model SG-LGS	See page H21
Aluminum	Model SG-LGA	See page H21



Options and Accessories

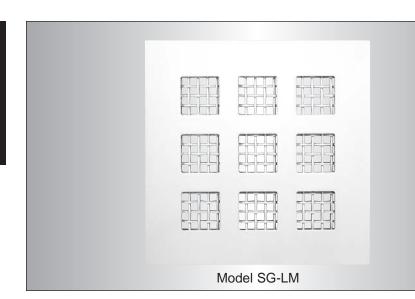
A selection of mounting angles, security bars, opposed blade dampers and directional blades are the enhancements that are offered on the maximum and medium security grilles.

Mounting Angles	See page H23
Masonry Anchor Tabs	See page H23
Security Bars	See page H23
Opposed Blade Dampers	See page H24
Directional Blades	See page H24

MAXIMUM SECURITY GRILLES AND REGISTERS

- SUPPLY OR RETURN
- STEEL CONSTRUCTION
- SQUARE LATTICE FACE
- MESH SCREEN

Model: SG-LM



Model SG-LM meets the industry standard for maximum security applications. It can be used as a supply or return grille where maximum security is paramount, supervision is minimal and absolute grille integrity must be maintained. These units are constructed of welded heavy gauge steel that allows the grille to become an integral part of the wall structure, providing additional strength.

FEATURES:

• Face Plate: 3/16" (5) steel lattice plate with 2" (51) square holes and 1" (25) fret bars.

- Backer Plate: 3/16" (5) steel lattice plate standard to match face.
- Sleeve: 3/16" (5) steel, of length required, with continuously welded seams and stitch welded to face plate.

• Protective screen sandwiched between face and backer plate.

10 gauge x 3/8" (10) clear opening (No. 2 mesh) woven steel wire.

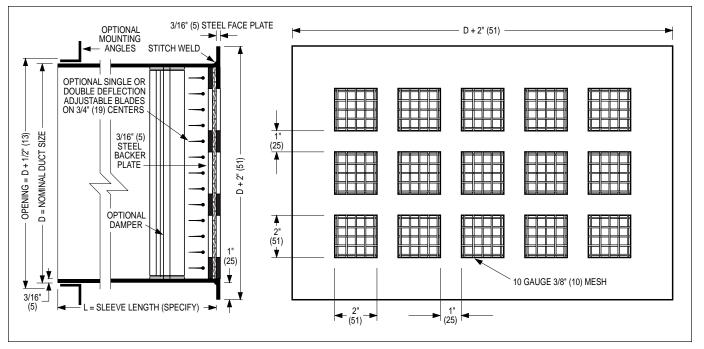
• Standard finish is prime coat for field painting.

Options:

- Mounting Angles: Option A, B or C. See page H23.
- Masonry Anchor Tabs: Option D. See page H23.
- Additional Security Barrier: Option E, F, G or H. See page H23.

• Opposed Blade Damper: Option J, Face operator (screwdriver slot). Option K, Rear operator (screwdriver slot). See page H24.

• Adjustable Blade Packs: Single deflection: Option L, horizontal blades. Option M, vertical blades. Double deflection: Option N, horizontal front blades. Option P, vertical front blades. See page H24.



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Performance Data Model SG-LM • Supply

Neck Size	FPM TP	100 0.011	150 0.026	200 0.046	250 0.072	300 0.103	350 0.141	400 0.184	450 0.232	500 0.287
	CFM	25	38	50	63	75	88	100	113	125
6 x 6	NC				14	19	23	27	30	33
0 / 0	T	2-3-6	3-5-10	4-6-12	5-8-13	6-10-14	8-11-15	9-12-17	10-12-17	11-12-1
	CFM	38	56	75	94	113	131	150	169	188
9 x 6	NC	_		11	16	21	25	29	32	35
••	T	2-4-8	4-6-12	5-8-14	7-10-16	8-12-17	9-14-19	11-14-20	12-15-21	13-16-2
	CFM	50	75	100	125	150	175	200	225	250
12 x 6	NC	_		13	19	25	29	32	34	38
	T	3-4-9	4-7-13	6-9-16	8-12-18	9-14-20	11-15-22	13-16-24	14-19-25	15-18-2
	CFM	63	94	125	156	188	219	250	281	313
15 x 6	NC	_		15	21	26	30	34	37	40
	Т	3-5-10	5-8-15	7-10-18	9-12-21	10-15-23	12-17-25	13-18-26	15-19-28	17-21-2
	CFM	75	113	150	188	225	263	300	338	375
18 x 6	NC	_	_	16	22	27	31	35	38	41
	Т	3-5-11	5-8-16	7-11-20	9-13-23	11-16-25	13-19-27	14-20-29	16-21-30	18-23-3
	CFM	88	131	175	219	263	306	350	394	438
21 x 6	NC			17	23	28	32	35	39	41
	Т	4-6-12	6-9-18	8-12-22	10-15-25	12-18-27	14-20-29	17-22-31	18-23-33	20-25-3
	CFM	100	150	200	250	300	350	400	450	500
24 x 6	NC	_		17	23	38	32	36	39	42
	Т	4-6-13	6-10-19	9-13-24	11-16-26	13-19-29	15-22-31	17-24-33	19-25-35	22-26-
	CFM	56	84	113	141	169	197	225	253	281
9 x 9	NC			14	20	25	29	33	36	39
	Т	3-5-10	5-7-14	6-10-17	8-12-19	10-14-21	12-16-23	13-17-25	14-18-27	16-19-2
	CFM	75	113	150	188	225	263	300	338	375
12 x 9	NC			16	22	27	31	35	38	41
	Т	3-5-11	5-8-16	7-11-20	9-14-23	11-16-25	13-19-27	14-20-29	16-21-30	18-23-3
	CFM	94	141	188	234	281	328	375	422	469
15 x 9	NC		_	16	23	28	32	36	39	42
	Т	4-6-12	6-10-19	8-12-23	11-15-26	12-19-28	14-21-30	16-23-32	19-24-34	21-26-3
	CFM	113	169	225	281	338	394	450	506	563
18 x 9	NC		_	18	24	29	33	37	40	43
	Т	4-7-13	7-10-20	9-13-25	12-17-28	13-20-30	16-23-33	18-25-35	20-21-37	23-28-3
	CFM	131	197	263	328	394	459	525	591	656
21 x 9	NC		_	19	25	30	34	35	41	44
	Т	5-7-14	7-11-22	10-14-27	13-18-30	14-22-33	17-25-35	20-27-38	22-29-40	25-30-
	CFM	150	225	300	375	450	525	600	675	750
24 x 9	NC		_	19	25	30	35	38	41	44
	Т	5-8-15	8-12-24	11-15-29	13-20-32	15-24-35	18-27-38	21-29-41	24-30-43	26-32-4
	CFM	100	150	200	250	300	350	400	450	500
12 x 12	NC	-	-	17	23	28	32	36	39	42
	T	4-6-13	6-10-19	9-12-24	11-16-26	13-19-29	15-22-32	17-24-34	19-25-36	21-26-3
	CFM	125	188	250	313	375	438	500	563	625
15 x 12	NC		11	18	24	29	34	37	40	43
	T	5-7-13	7-11-22	10-14-26	12-18-30	14-22-33	17-25-35	19-26-38	22-28-40	24-30-4
	CFM	150	225	300	375	450	525	600	675	750
18 x 12	NC	-	12	19	25	30	35	38	41	44
	T	5-8-15	8-12-24	11-15-29	13-20-33	15-24-36	18-27-39	21-29-41	24-30-43	26-32-4
	CFM	175	263	350	438	525	613	700	788	875
	NC		12	20	26	31	35	39	42	45
21 x 12		0.0.17	0 10 00	101701	14-21-34	17-26-38	20-29-41	23-31-44	26-33-47	29-34-
21 x 12	Т	6-9-17	9-12-26	12-17-31	14 21 04	17 20 30	20 20 11	20 01 11	20 00 11	
	T CFM	<u> </u>	<u>9-12-26</u> 300	400	500	600	700	800	900	1000
21 x 12 24 x 12	-									1000 46

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. Performance data is based on supply air and standard construction.

2. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.

3. Return Performance:

Negative static pressure approximates to listed total pressure.

Add + 2 to listed NC value.

4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

Performance Data Model SG-LM • Supply

Neck	FPM	100	150	200	250	300	350	400	450	500
Size	TP	0.011	0.026	0.046	0.072	0.103	0.141	0.184	0.232	0.287
	CFM	156	234	313	391	469	547	625	703	781
15 x 15	NC		12	20	26	31	35	38	42	44
	T	5-8-16	8-12-24	11-16-30	13-20-32	16-24-37	19-28-39	22-30-42	24-31-44	27-32-47
	CFM	188	281	375	469	563	656	750	844	938
18 x 15	NC	-	13	21	27	32	36	39	43	45
	T	6-9-17	9-13-27	12-17-32	14-22-36	17-27-39	21-30-43	24-32-46	27-34-49	30-36-52
	CFM	219	328	438	547	656	766	875	984	1094
21 x 15	NC	_	13	21	27	32	37	40	43	46
	Т	6-10-19	10-14-29	13-19-34	16-24-39	19-29-43	22-32-46	26-34-50	29-37-53	31-39-56
	CFM	250	375	500	625	750	875	1000	1125	1250
24 x 15	NC	—	14	22	28	33	37	41	42	47
	T	7-10-20	10-15-30	13-20-37	17-26-42	20-30-46	24-34-50	28-37-53	30-39-57	34-42-60
	CFM	225	338	450	563	675	788	900	1013	1125
18 x 18	NC		14	22	28	33	37	40	43	46
	T	6-10-19	10-14-29	13-19-35	16-24-39	19-30-43	23-33-47	26-35-51	30-37-54	32-39-57
	CFM	263	394	525	656	788	919	1050	1181	1313
21 x 18	NC	_	14	22	28	33	37	41	44	47
	T	7-11-21	11-15-31	14-21-38	17-26-43	21-31-47	25-35-51	28-38-55	31-40-58	34-43-62
	CFM	300	450	600	750	900	1050	1200	1350	1500
24 x 18	NC	_	15	23	29	34	38	42	45	48
	Т	7-11-22	11-16-33	15-22-41	18-28-46	22-33-51	26-38-55	30-41-59	33-43-62	37-46-66
04 04	CFM	306	459	613	766	919	1072	1225	1378	1531
21 x 21	NC		15	23	29	34	38	42	45	48
	T	8-12-24	12-17-34	15-23-41	19-29-46	22-34-51	27-39-55	30-41-59	34-44-63	37-46-67
04 - 01	CFM	350	525	700	875	1050	1225	1400	1575	1750
24 x 21	NC		16	24	30	35	39	43	46	49
	T	8-12-25	12-18-36	16-24-44	20-30-50	24-36-55	29-41-59	33-45-64	36-47-68	40-50-71
	CFM	400	600	800	1000	1200	1400	1600	1800	2000
24 x 24	NC	_	17	25	31	36	40	43	46	49
	Т	9-13-26	13-19-39	17-26-48	22-33-53	26-39-59	31-44-64	35-48-68	39-51-73	43-53-77

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. Performance data is based on supply air and standard construction.

2. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.

3. Return Performance:

Negative static pressure approximates to listed total pressure.

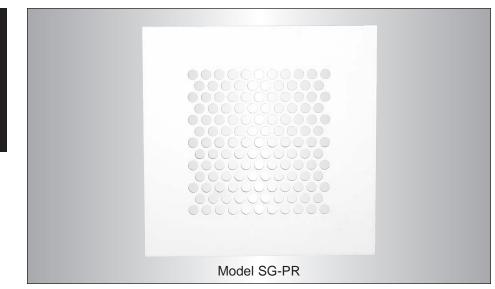
Add + 2 to listed NC value.

4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

MAXIMUM SECURITY GRILLES AND REGISTERS

- SUPPLY OR RETURN
- STEEL CONSTRUCTION
- PERFORATED FACE

Model: SG-PR



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SECURITY PRODUCTS

Model SG-PR is utilized in maximum security areas. Its design features a perforated face plate with 5/16" (8) dia. holes that allows a greater effective free area, but still upholds the required level of security and safety. It can be used as a supply or return grille. These units are constructed of welded heavy gauge steel that allows the grille to become an integral part of the wall structure, providing additional strength.

FEATURES:

• Face Plate: 3/16" (5) steel lattice plate with 5/16" (8) dia. holes on staggered 7/16" (11) centers.

- Sleeve: 3/16" (5) steel, of length required, with continuously welded seams and stitch welded to face plate.
- Standard finish is prime coat for field painting.

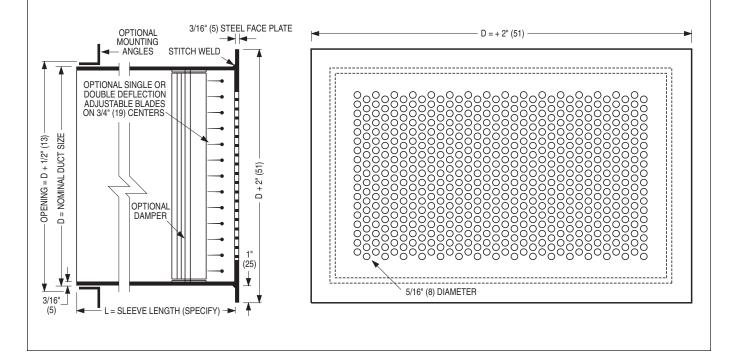
Options:

- Mounting Angles: Option A, B or C. See page H23.
- Masonry Anchor Tabs: Option D. See page H23.
- Additional Security Barrier: Option E, F, G or H. See page H23.
- Opposed Blade Damper: Option J, Face operator (screwdriver slot).

Option K, Rear operator (screwdriver slot). See page H24.

Adjustable Blade Packs:

Single deflection: Option L, horizontal blades. Option M, vertical blades. Double deflection: Option N, horizontal front blades. Option P, vertical front blades. See page H24.



Performance Data

Model SG-PR • Supply

Neck Size	FPM TP	100 0.005	150 0.011	200 0.020	250 0.031	300 0.044	350 0.060	400 0.079	450 0.100	500 0.123
	CFM	25	38	50	63	75	88	100	113	125
6 x 6	NC	_	_	_	_	12	16	20	24	27
	Т	1-2-5	2-3-7	3-5-10	4-6-12	5-7-12	5-8-13	6-10-14	7-11-15	8-12-16
	CFM	38	56	75	94	113	131	150	169	188
9 x 6	NC	-	_	_	—	14	18	22	25	29
	T	2-3-6	3-4-9	4-6-12	5-7-14	6-9-15	7-10-17	8-12-18	9-13-19	10-14-2
	CFM	50	75	100	125	150	175	200	225	250
12 x 6	NC	_	_		—	15	19	23	27	30
	Т	2-3-7	3-5-10	4-7-13	6-9-16	7-10-18	8-12-10	9-13-21	10-15-22	12-16-2
15 x 6	CFM	63	94	125	156	188	219	250	281	313
10 X C	NC			 5.0.17	<u> </u>	16	20	24	28 12-17-25	31
	T CFM	2-4-8 75	4-6-12 113	5-8-17 150	6-10-18 188	8-12-20 225	9-13-22 263	10-15-24 300	338	<u>13-18-2</u> 375
18 x 6	NC				11	17	203	25	28	32
10 x 0	T	2-4-8	4-6-12	5-8-16	7-11-20	8-12-22	10-14-24	11-16-26	12-18-28	13-20-2
	CFM	88	131	175	219	263	306	350	394	438
21 x 6	NC				12	18	22	26	29	32
	T	3-4-9	4-7-13	6-9-18	7-11-22	9-13-24	11-15-26	12-18-28	13-20-29	14-22-3
	CFM	100	150	200	250	300	350	400	450	500
24 x 6	NC	_	_	_	12	18	22	26	30	33
	Т	3-5-10	5-7-14	6-10-19	8-12-24	10-14-26	11-16-28	13-19-29	14-21-33	16-24-3
	CFM	56	84	113	141	169	197	225	253	281
9 x 9	NC	_	—	—	—	15	20	24	27	30
	T	2-3-7	3-5-11	5-7-14	6-9-17	7-11-19	8-12-21	10-14-22	11-16-24	12-17-2
	CFM	75	113	150	188	225	263	300	338	375
12 x 9	NC	_			11	17	21	25	28	32
	T	2-4-8	4-6-12	5-8-16	7-11-20	8-12-22	10-14-24	11-16-26	12-18-28	13-20-2
15 - 0	CFM	94	141	188	234	281	328	375	422	469
15 x 9	NC				12	18	22	26	29	33
	Т	3-4-9	4-7-13	6-9-18	8-12-23	9-13-25	11-16-27	12-18-29	13-21-30	15-23-3
18 x 9	CFM NC	113	169	225	281 13	338 18	394 23	450 27	506 30	563 33
10 X 9		3-5-10		7-10-20	9-12-25		23 12-17-29			
	CFM	131	5-8-15 197	263	<u>9-12-25</u> 328	10-15-28 394	459	13-20-31 525	15-23-33 591	<u>17-25-3</u> 656
21 x 9	NC			200	14	19	24	27	31	34
LIXJ	T	3-5-11	5-8-16	7-11-22	9-13-27	11-16-29	12-19-32	14-22-34	16-25-36	18-27-3
	CFM	150	225	300	375	450	525	600	675	750
24 x 9	NC				14	19	24	28	31	35
	T	4-6-12	6-9-17	8-12-23	10-14-29	12-17-31	13-20-34	15-23-36	17-27-39	19-29-4
	CFM	100	150	200	250	300	350	400	450	500
12 x 12	NC	-	_	_	13	18	22	26	30	33
	T	3-5-10	5-7-14	6-10-19	8-12-24	10-14-26	11-16-28	12-19-29	14-21-31	16-24-3
	CFM	125	188	250	313	375	438	500	563	625
15 x 12	NC	-	_	_	13	19	23	27	31	34
	T	3-5-11	5-8-16	7-11-21	9-13-27	11-16-29	12-18-31	14-21-33	16-24-35	18-27-3
40 40	CFM	150	225	300	375	450	525	600	675	750
18 x 12	NC				14	20	24	28	31	35
	T	4-6-12	6-9-17	8-12-23	10-14-29	12-17-31	13-20-34	15-23-36	17-27-39	19-29-4
	CFM	175	263	350	438	525	613	700	788	875
04	NC		—	—	15	21	25	29	32	35
21 x 12					11_16_31	19-10-9/	14-22-37	16-25-39	19-29-42	21-32-4
21 x 12	T	4-6-12	6-10-19	8-13-25	11-15-31	12-19-34				
	CFM	200	300	400	500	600	700	800	900	1000
21 x 12 24 x 12										1000 36 23-33-4

CFM - cubic feet per minute

FPM - feet per minute velocity

TP - total pressure - inches w.g.

throw in feet

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

Performance Notes:

1. Performance data is based on supply air and standard construction.

2. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.

3. Return Performance:

Negative static pressure approximates to listed total pressure.

Add + 2 to listed NC value.

4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

SECURITY PRODUCTS

Performance Data

Model SG-PR • Supply

Neck	FPM	100	150	200	250	300	350	400	450	500
Size	TP	0.011	0.026	0.046	0.072	0.103	0.141	0.184	0.232	0.287
	CFM	156	234	313	391	469	547	625	703	781
15 x 15	NC	-	—	—	14	20	24	28	32	35
	T	4-6-12	6-9-18	8-12-24	10-14-29	12-18-32	14-21-35	16-24-37	18-27-40	20-29-42
	CFM	188	281	375	469	563	656	750	844	938
18 x 15	NC	-	_	_	15	21	25	29	32	35
	T	4-6-13	6-10-19	9-13-26	11-16-33	13-19-36	15-23-38	17-26-41	19-29-44	22-33-46
	CFM	219	328	438	547	656	766	875	984	1094
21 x 15	NC	-	—	—	15	21	26	30	33	36
	T	5-7-14	7-11-22	10-14-28	12-17-35	14-21-38	16-25-42	19-29-44	21-31-47	24-35-50
	CFM	250	375	500	625	750	875	1000	1125	1250
24 x 15	NC	-	_	_	16	22	26	30	34	37
	T	5-8-15	8-12-23	10-15-29	13-19-37	15-23-41	17-27-44	20-30-48	23-34-51	25-37-54
	CFM	225	338	450	563	675	788	900	1013	1125
18 x 18	NC				16	21	26	30	33	36
10 % 10	T	5-7-14	7-11-21	10-14-29	11-18-35	14-21-39	16-25-42	19-28-45	21-32-48	24-35-51
	CFM	263	394	525	656	788	919	1050	1181	1313
21 x 18	NC	_	_	11	17	22	26	30	34	37
	Т	5-8-15	8-12-23	11-15-31	12-19-38	15-23-42	18-27-46	21-31-49	23-35-52	25-38-55
	CFM	300	450	600	750	900	1050	1200	1350	1500
24 x 18	NC	_	_	11	17	23	27	31	34	38
	Т	5-8-16	8-13-25	11-16-34	13-21-41	16-25-45	19-29-49	22-34-52	25-37-56	28-41-59
	CFM	306	459	613	766	919	1072	1225	1378	1531
21 x 21	NC	300	439		18	23	27	31	35	38
21 X 21	T	5-8-16	8-13-25	11-16-33	13-21-41	16-25-46	19-29-49	22-34-53	25-38-56	29-41-59
	CFM	350	525	700	875	10-25-40	1225	1400	1575	1750
24 x 21	NC	000	020	11	18	23	28	32	35	38
	Т	6-9-18	9-14-27	12-18-36	14-22-44	18-27-49	21-31-53	24-36-57	27-40-60	30-44-64
	1	1 0-9-10	9-14-27	12-10-30	14-22-44	10-27-49	21-31-33	24-30-37	21-40-00	00-44-04
	CFM	400	600	800	1000	1200	1400	1600	1800	2000
24 x 24	NC	-	—	12	18	24	28	32	36	39
	Т	6-10-19	10-14-29	13-19-39	16-24-48	19-29-52	22-33-57	2-38-61	28-43-65	33-48-68

- 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. Performance data is based on supply air and standard construction.

2. Throws are given at 150, 100 and 50 fpm terminal velocities under isothermal conditions.

3. Return Performance:

Negative static pressure approximates to listed total pressure.

Add + 2 to listed NC value.

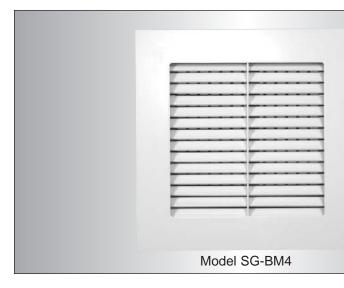
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

MEDIUM/MINIMUM SECURITY PRODUCTS

MEDIUM/MINIMUM SECURITY GRILLES AND REGISTERS

- SUPPLY OR RETURN
- STEEL CONSTRUCTION
- FIXED BARS

Models: SG-BM4 40° deflection SG-BMZ 0° deflection



Model Series SG-BM may be used for sidewall applications in medium or minimum security areas. Model Series SG-BM's construction includes a stamped, heavy gauge steel, one piece frame welded to the sleeve. The louvered bars and steel mesh screen are reinforced with heavy gauge steel support mullions on 3" (76) maximum centers and welded to a steel sleeve passing through the wall. This design makes the **Model Series SG-BM** the highest quality standard security grille of its kind, providing exceptional strength and impact resistance.

FEATURES:

• Face Plate (frame) constructed from 14 gauge steel.

• 1/2" (13) x 14 gauge blades on 1/2" (13) centers passing through 14 gauge vertical support bars on 3" (76) centers. Blades are fixed at 40° or 0° deflection.

• Sleeve: 14 gauge steel, of length required, with welded seams and welded to face plate.

• Protective screen behind face bars of 10 gauge x 3/8" (10) clear opening (No.

2 mesh) woven steel wire, secured in place by stitch welded support angles.

• Standard finish is prime coat for field painting.

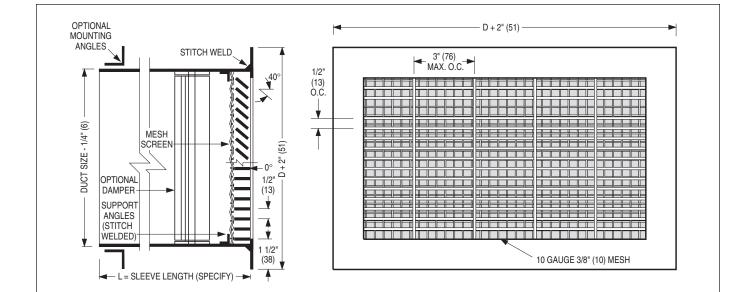
Options:

- Mounting Angles: Option A, B or C. See page H23.
- Masonry Anchor Tabs: Option D. See page H23.
- Additional Security Barrier: Option E or F. See page H23.

• Opposed Blade Damper:

Face operator (lever): Option J, Rear operator (screwdriver slot): Option K, See page H24.





MEDIUM/MINIMUM SECURITY PRODUCTS

Performance Data

Model SG-BM4 • Supply

Core Area Sq. Feet		Duct Size, ches	Core Velocity TP	300 .041	400 .067	500 .108	600 .149	800 .27	1000 .420	1200 .615
			CFM	55	70	90	110	145	180	215
.18	8 x 4	6 x 6	NC	_	—	21	27	36	42	48
			Т	5-8-12	7-9-13	9-11-15	10-12-16	11-13-19	13-15-21	14-16-23
			CFM	115	155	195	235	310	390	470
.39	18 x 4	12 x 6	NC	_	_	25	30	39	45	52
			Т	8-12-16	11-13-20	12-15-22	14-17-24	16-19-28	17-21-31	19-24-33
			CFM	155	210	260	310	415	520	625
.52	24 x 4	16 x 6	NC	_	_	26	31	40	46	53
			T	9-13-19	12-16-23	13-17-24	16-19-28	18-21-31	21-26-36	24-29-4
			CFM	355	470	590	710	945	1180	1420
1.18	14 x 12	16 x 12	NC	_	23	29	34	43	50	55
			Т	13-20-30	17-24-33	22-27-38	25-30-42	29-33-48	32-38-54	34-41-58
			CFM	480	640	800	960	1280	1600	1920
1.60	30 x 8	24 x 10	NC	_	27	33	38	47	53	59
			Т	14-22-33	20-29-40	24-31-45	29-35-50	32-40-55	37-45-64	38-48-68
			CFM	835	1110	1320	1676	2220	2780	3340
2.78	30 x 14	24 x 18	NC	_	27	33	38	47	53	60
			Т	20-30-46	26-35-55	31-40-58	37-47-69	45-55-78	48-60-85	54-66-91
			CFM	1290	1720	2140	2570	3430	4290	5150
4.29	30 x 22	28 x 24	NC	20	28	35	40	49	55	61
			T	24-36-55	32-42-61	41-51-72	46-56-80	51-62-87	58-71-97	67-82-111

Model SG-BM4 • Return

Core Area	Nominal Duct Size,		Core Velocity Neg. SP	200	300	400	500	600	800	1000
Sq. Feet	Inc	Inches		.018	.055	.091	.146	.200	.364	.565
.18	8 x 4	6 x 6	CFM	35	55	70	90	110	145	180
.10	0 X 4	0 X 0	NC	_	—	_	25	29	36	42
.39	10 - 4	12 x 6	CFM	80	115	155	195	235	310	390
.39 18 x 4	12 X 0	NC	—	—	25	31	35	42	48	
.52	04 v 4	16 - 6	CFM	105	155	210	260	310	415	520
.52	24 x 4	16 x 6	NC	—	—	26	32	37	44	49
1 10	14 x 14	16 x 12	CFM	235	355	470	590	710	945	1180
1.18	14 X 14	10 X 12	NC	—	26	32	37	43	50	55
1 60	20 × 0	04 v 10	CFM	320	480	640	800	960	1280	1600
1.60	30 x 8	24 x 10	NC	—	28	34	40	45	52	58
0.70	20 v 14	04 - 10	CFM	555	835	1110	1390	1670	2220	2780
2.78	30 x 14	24 x 18	NC	20	32	38	44	49	56	61
4 20	30 x 22	28 x 24	CFM	860	1290	1720	2140	2570	3430	4290
4.29	30 X 22	20 X 24	NC	24	35	41	47	52	60	64

CFM - cubic feet per minute

- **TP** total pressure inches w.g.
- **SP** static pressure inches w.g.

T - throw in feet

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

Core Velocity is in feet per minute.

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 2006.

No Nailor

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

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.

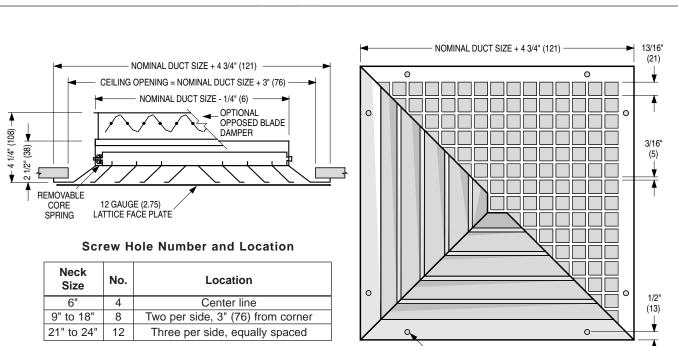
• Screw holes provided in face plate. Tamper proof/security screws by others to suit local requirements.

Available in square neck sizes 6" x 6" (152 x 152) through 24" x 24" (610 x 610) in 3" (76) increments.

Option:

5/16" (8) SCREW HOLES

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



Performance Data

Models SG-6500 and SG-6200

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

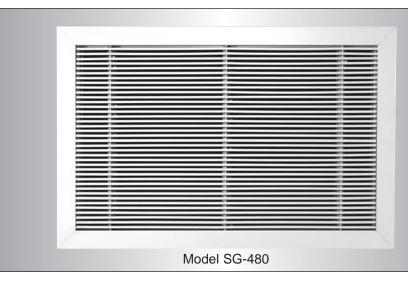
2. NC values less than 20 are not shown.

3. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 - 2006.

MINIMUM SECURITY GRILLES AND REGISTERS

- SUPPLY OR RETURN
- ALUMINUM CONSTRUCTION
- FIXED BARS 0° DEFLECTION

Models: SG-280 1/2" (13) spacing SG-480 1/4" (6) spacing



Models SG-280 and **SG-480** are all aluminum minimum security grilles. Rust-proof construction makes these models ideal for use in showers and wet areas where they are constantly exposed to humid conditions. Models have fixed 1/8" (3) thick, extruded horizontal bars on 1/4" (6) or 1/2" (13) centers. They are fixed at 0° deflection and are individually welded to their cross-bar spacers, which in turn are supported by heavy duty extruded aluminum members welded to the grille frame. This grille is securely fastened with a heavy gauge aluminum sleeve welded to the grille frame which passes through the wall. The sleeve is fastened with an optional extruded aluminum wall flange on the reverse side.

FEATURES:

• Frame: Heavy gauge extruded aluminum with welded mitered corners.

• Bars: 1/8" (3) thick extruded aluminum on 1/4" (6) or 1/2" (13) centers, welded to cross-bars and supported by 1 1/8" x 3/8" (29 x 10) heavy duty extruded support members on maximum 6" (152) centers welded to frame.

• Sleeve: 10 gauge aluminum welded to frame. Length as specified to suit wall thickness.

• Standard finish is AW Appliance White. Other finishes are available.

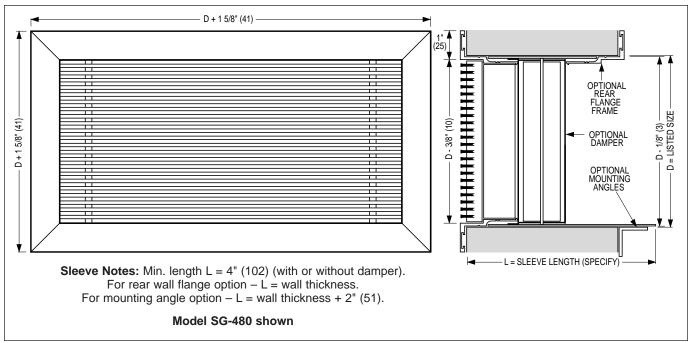
• Available in sizes 6" x 6" (152 x 152) through 36" x 36" (914 x 914) in single piece construction.

Options:

• Rear wall flange. Same construction as grille frame. Shipped loose to be field welded to sleeve.

- Mounting angles: Option A, B or C.
 See page H23.
- Opposed Blade Damper:

Face operator (screwdriver slot or lever), Option J, Rear operator (screwdriver slot), Option K, see page H24.



SECURITY PRODUCTS

Performance Data

Model SG-280 • Supply

Core Area Sq. Feet		Duct Size, ches	Core Velocity TP	300 .033	400 .055	500 .087	600 .120	800 .220	1000 .338	1200 .491
			CFM	55	70	90	110	145	180	215
.18	8 x 4	6 x 6	NC	—	_	_	21	30	36	42
			Т	6-9-13	7-10-14	10-12-16	11-13-18	12-14-21	14-17-23	15-18-26
			CFM	80	105	130	155	210	260	310
.26	12 x 4	8 x 6	NC	—	—	_	22	31	37	43
			Т	7-11-15	11-13-18	11-14-19	13-15-22	14-18-26	16-20-28	18-21-30
				155	210	260	310	415	520	625
.52	24 x 4	16 x 6	NC	_	—	23	29	34	40	46
			Т	10-14-22	12-17-25	16-20-27	18-23-31	21-26-37	23-29-40	25-31-44
			CFM	245	325	405	485	650	810	970
.81	14 x 10	16 x 8	NC	_	—	25	30	37	43	47
			T	12-17-27	16-22-30	20-26-32	24-30-38	27-32-45	29-34-50	30-38-55
			CFM	480	640	800	960	1280	1600	1920
1.60	30 x 8	24 x 10	NC	_	—	26	31	38	44	50
			T	16-24-37	24-31-41	30-36-46	34-41-54	40-46-64	41-49-67	43-53-75
			CFM	835	1110	1320	1676	2220	2780	3340
2.78	30 x 14	24 x 18	NC	—	21	27	34	41	47	53
			Т	23-33-51	30-45-58	38-46-67	42-50-71	49-59-82	57-68-92	60-71-105
			CFM	1290	1720	2140	2570	3430	4290	5150
4.29	30 x 22	28 x 24	NC	—	23	29	36	43	49	56
			Т	27-39-63	37-53-73	44-58-81	50-63-92	60-73-105	66-80-119	70-85-130

Model SG-280 • Return

Core Area	Nominal	Duct Size,	Core Velocity	200	300	400	500	600	800	1000
Sq. Feet	Inc	hes	Neg. SP	.011	.032	.053	.084	.116	.210	.326
.18	8 x 4	6 x 6	CFM	35	55	70	90	110	145	180
.10 0	0 X 4	0 X 0	NC	_	_	—	—	21	28	34
.39	12 x 4	8 x 6	CFM	50	80	105	130	155	210	260
.39 12 X 4	0 X 0	NC	_	-	_	_	24	30	37	
.52	04 - 4	10	CFM	105	155	210	260	310	415	520
.92	24 x 4	16 x 6	NC	_	_	—	25	29	36	42
1 10	14 - 10	10 - 0	CFM	160	245	325	405	485	650	810
1.18	14 x 10	16 x 8	NC	_	-	22	28	32	39	45
1.60	20 × 0	04 v 10	CFM	320	480	640	800	960	1280	1600
1.60	30 x 8	24 x 10	NC		-	26	32	36	43	49
0.70	20 v 14	04 - 10	CFM	555	835	1110	1390	1670	2220	2780
2.78	30 x 14	24 x 18	NC	_	22	30	36	40	48	53
4.00	20 - 00	00 - 04	CFM	860	1290	1720	2140	2570	3430	4290
4.29	30 x 22	28 x 24	NC	_	26	33	39	43	50	57

CFM - cubic feet per minute

- TP total pressure inches w.g.
- **SP** static pressure inches w.g.
- T throw in feet
- NC Noise Criteria (values) based on 10 dB room absorption, re 10⁻¹² watts.

Core Velocity is in feet per minute.

Performance Notes:

1. Throws are given at 150, 100 and 50 fpm terminal velocities.

2. NC values less than 20 are not shown.

3. Correction factors for Model SG-480 are as follows:

Total Pressure = Listed value x 1.5

NC level, add + 5 to listed value.

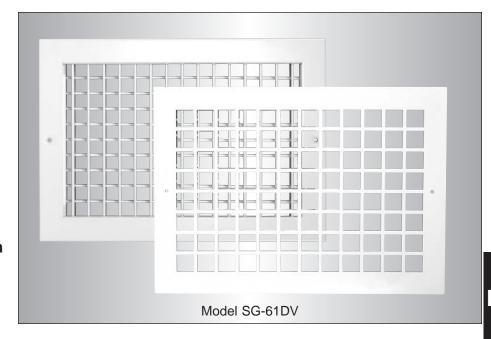
4. Data derived from tests conducted in accordance with ANSI/ASHRAE Standard 70 – 2006.

MINIMUM SECURITY DOUBLE DEFLECTION SUPPLY GRILLES AND REGISTERS

• LATTICE FACE • LOUVERED BLADES

Models: SG-61DV and DH Steel SG-51DV and DH Aluminum

• Suffix '-O' adds an opposed blade damper



These models are suitable for minimum security applications where the location is either hard to reach, such as high walls or ceilings in day rooms, or where there is constant supervision. The actual size of the unit may have a bearing on its application if the grille size selected is small enough that physical removal and/or bodily entry would not be contemplated. These models are essentially the same as the corresponding **Nailor 6100** and **5100 Series** range of grilles with the addition of a lattice face for additional security.

FEATURES:

- Lattice Face: 12 gauge steel or aluminum with 13/16" (21) square holes on 1" (25) centers. 3/16" (5) fret bars. Other lattice configurations are available.
- Grille or register is same as corresponding 6100 or 5100 Series.
- Blades on 3/4" (19) centers are individually adjustable.

• Front blades are vertical (V) or horizontal (H) with the rear blades having the opposite orientation.

• 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.

• Performance Data: See the appropriate base model and add the pressure drop of lattice face from table on page H22.

• Available in sizes 6" x 4" (152 x 102) through 48" x 24" (1219 x 610) in one piece construction.

Options:

• Opposed blade damper (steel or aluminum) has a screwdriver slot operator accessible through face of register.

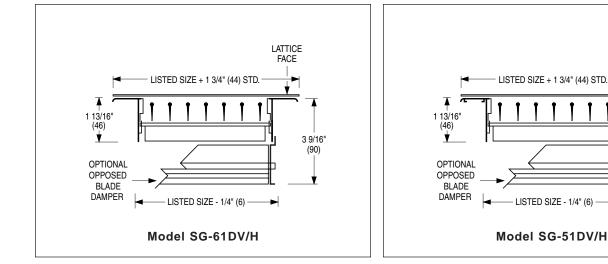
LATTICE

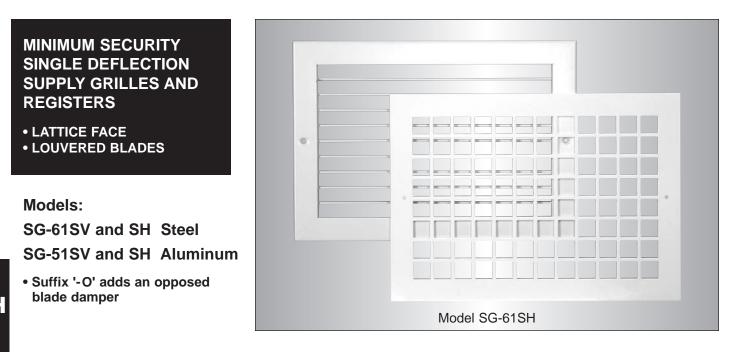
FACE

3 9/16'

(90)







These models are suitable for minimum security applications where the location is either hard to reach, such as high walls or ceilings in day rooms, or where there is constant supervision. The actual size of the unit may have a bearing on its application if the grille size selected is small enough that physical removal and/or bodily entry would not be contemplated. These models are essentially the same as the corresponding Nailor 6100 and 5100 Series range of grilles with the addition of a lattice face for additional security.

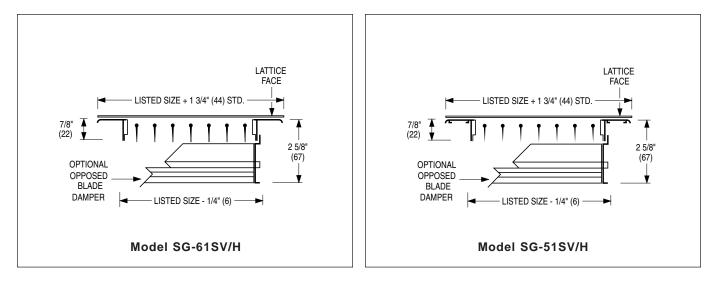
FEATURES:

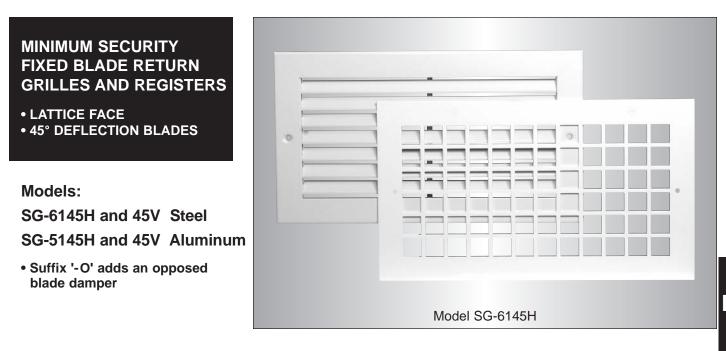
- Lattice Face: 12 gauge steel or aluminum with 13/16" (21) square holes on 1" (25) centers. 3/16" (5) fret bars. Other lattice configurations are available.
- · Grille or register is same as corresponding 6100 or 5100 Series.
- Blades on 3/4" (19) centers are individually adjustable.
- Available with vertical (V) or horizontal (H) blades.

- · 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.
- Performance Data: See the appropriate base model and add the pressure drop of lattice face from table on page H22.
- Available in sizes 6" x 4" (152 x 102) through 48" x 24" (1219 x 610) in one piece construction.

Options:

· Opposed blade damper (steel or aluminum) has a screwdriver slot operator accessible through face of register.





These models are suitable for minimum security applications where the location is either hard to reach, such as high walls or ceilings in day rooms, or where there is constant supervision. The actual size of the unit may have a bearing on its application if the grille size selected is small enough that physical removal and/or bodily entry would not be contemplated. These models are essentially the same as the corresponding **Nailor 6100** and **5100 Series** range of return grilles with the addition of a lattice face for additional security.

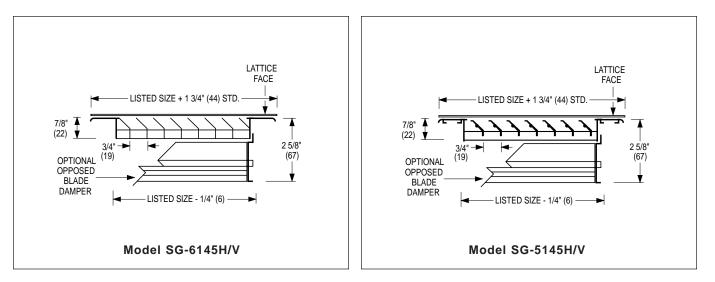
FEATURES:

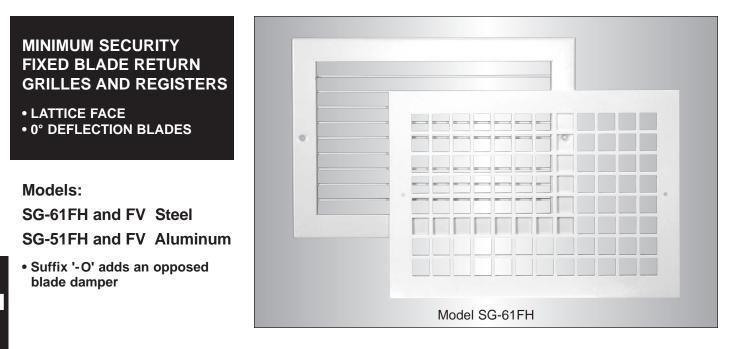
- Lattice Face: 12 gauge steel or aluminum with 13/16" (21) square holes on 1" (25) centers. 3/16" (5) fret bars. Other lattice configurations are available.
- Grille or register is same as corresponding 6100 or 5100 Series.
- Blades on 3/4" (19) centers are fixed at 45° deflection.
- Available with horizontal (H) or vertical (V) blades.

- 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.
- Performance Data: See the appropriate base model and add the pressure drop of lattice face from table on page H22.
- Available in sizes 6" x 4" (152 x 102) through 48" x 24" (1219 x 610) in one piece construction.

Options:

• Opposed blade damper (steel or aluminum) has a screwdriver slot operator accessible through face of register.





These models are suitable for minimum security applications where the location is either hard to reach, such as high walls or ceilings in day rooms, or where there is constant supervision. The actual size of the unit may have a bearing on its application if the grille size selected is small enough that physical removal and/or bodily entry would not be contemplated. These models are essentially the same as the corresponding **Nailor 6100** and **5100 Series** range of return grilles with the addition of a lattice face for additional security.

FEATURES:

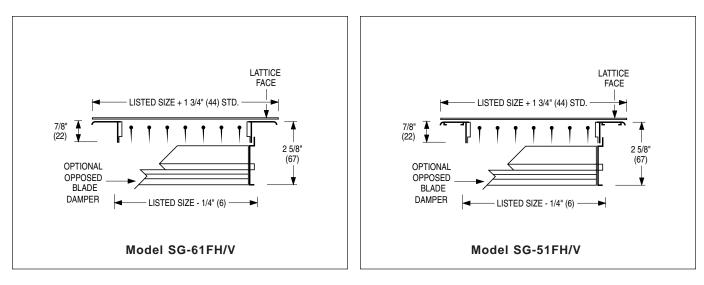
• Lattice Face: 12 gauge steel or aluminum with 13/16" (21) square holes on 1" (25) centers. 3/16" (5) fret bars. Other lattice configurations are available.

- Grille or register is same as corresponding 6100 or 5100 Series.
- Blades on 3/4" (19) centers are fixed at 0° deflection.
- Available with horizontal (H) or vertical (V) blades.

- 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.
- Performance Data: See the appropriate base model and add the pressure drop of lattice face from table on page H22.
- Available in sizes 6" x 4" (152 x 102) through 48" x 24" (1219 x 610) in one piece construction.

Options:

• Opposed blade damper (steel or aluminum) has a screwdriver slot operator accessible through face of register.



MINIMUM SECURITY LATTICE FACE GRILLES • 13/16" (21) SQUARE HOLES ON 1" (25) CENTERS 12 GAUGE MATERIAL Models: SG-LGS Steel

SG-LGA Aluminum

Model SG-LGS-B3

Nailor SG-LG Series Lattice Face Grilles are available as an economical return air grille for minimum security applications. The SG-LG is available with an optional PF Plaster/Mounting Sub-frame which provides not only a professional finish, but also allows the option of an opposed blade damper mounted inside the neck for air balancing.

FEATURES:

(25)

• Model Series SG-LG features 13/16" (21) square holes on 1" (25) centers with 3/16" (5) fret bars in 12 gauge (2.75) steel or aluminum construction.

· Screw holes provided in face plate.

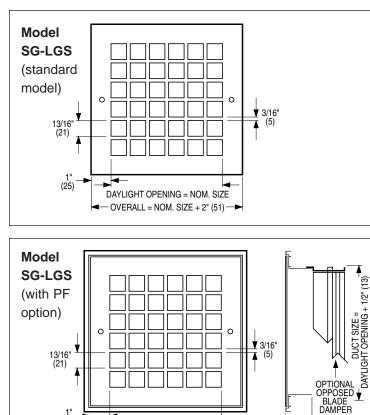
Tamper proof/security screws by others to suit local requirements.

· Standard finish is AW Appliance White. Other finishes are available.

Options:

1 3/8" (35)

- PF Plaster/Mounting sub-frame.
- · Opposed blade damper with screwdriver slot operator, operable from face, available with PF option.
- Other material gauges: 10 gauge or 14 gauge steel or aluminum.
- Other lattice designs. See table.



DAYLIGHT OPENING = NOM. SIZE

- OVERALL = NOM. SIZE + 2 5/8" (67) ----

OPTIONAL LATTICE CONFIGURATIONS

HOLE	CC	DDE OPTIC	DN .
PATTERN	10 GA.	12 GA.	14 GA.
3/4" (19) square holes on 1" (25) centers	A1	B1	C1
1/2" (13) square holes on 3/4" (19) centers	A2	B2	C2
13/16" (21) square holes on 1" (25) centers	A3	B3	C3
1" (25) square holes on 1 1/4" (32) centers	A4	B4	C4
2 1/2" x 1/2" (64 x 13) rectangular holes on 2 3/4" x 3/4" (70 x 19) centers	A5	B5	C5

Code option B3 is standard.

Н

Sizing Schedule and Performance Data Model Series SG-LGS and SG-LGA • Lattice Face Grilles

					DAYLIG		NING DIM	ENSION					
NO. OF		I, B1, C1		2, B2, C2	CODE A3			4, B4, C4	NO. OF			C5 2 1/2" x	
HOLES	3/4"	SQ.	1/2"	<u>SQ.</u>	13/16	13/16" SQ. 1" SQ. H		HOLES	WIE			GHT	
	in.	mm	in.	mm	in.	mm	in.	mm		in.	mm	in.	mm
6	5 3/4	146	4 1/4	108	5 13/16	148	7 1/4	184	3	6 1/2	165	2	51
8	7 3/4	197	5 3/4	146	7 13/16	198	9 3/4	248	4	8 3/4	222	2 3/4	70
10	9 3/4	248	7 1/4	184	8 13/16	249	12 1/4	311	5	11	279	3 1/2	89
12	11 3/4	298	8 3/4	222	11 13/16	300	14 3/4	375	6	13 1/4	337	4 1/4	18
14	13 3/4	349	10 1/4	260	13 13/16	335	17 1/4	438	7	15 1/2	394	5	127
16	15 3/4	400	11 3/4	298	15 13/16	402	19 3/4	502	8	17 3/4	451	5 3/4	146
18	17 3/4	451	13 1/4	337	17 13/16	452	22 1/4	565	9	20	508	6 1/2	165
20	19 3/4	502	14 3/4	375	19 13/16	503	24 3/4	629	10	22 1/4	565	7 1/4	184
22	21 3/4	552	16 1/4	413	21 13/16	554	27 1/4	692	11	24 1/2	622	8	203
24	23 3/4	603	17 3/4	451	23 13/16	605	29 3/4	756	12	26 3/4	679	8 3/4	222
26	25 3/4	654	19 1/4	489	25 13/16	656	32 1/4	819	13	29	737	9 1/2	241
28	27 3/4	705	20 3/4	527	27 13/16	706	34 3/4	883	14	31 1/4	794	10 1/4	260
30	29 3/4	756	22 1/4	565	29 13/16	757	37 1/4	946	15	33 1/2	851	11	279
32	31 3/4	806	23 3/4	603	31 13/16	808	39 3/4	1010	16	35 3/4	908	11 3/4	298
34	33 2/4	857	25 1/4	641	33 13/16	859	42 1/4	1073	17	38	965	12 1/2	317
36	35 3/4	908	26 3/4	679	35 13/16	910	44 3/4	1137	18	40 1/4	1022	13 1/4	336
38	37 3/4	959	28 1/4	718	37 13/16	960	47 1/4	1200	19	42 1/2	1079	14	356
40	39 3/4	1010	29 3/4	756	39 13/16	1011			20	44 3/4	1136	14 3/4	375
42	41 3/4	1060	31 1/4	794	41 13/16	1062			21	47	1194	15 1/2	394
44	43 3/4	1111	32 3/4	832	43 13/16	1113]						
46	45 3/4	1162	34 1/4	870	45 13/16	1164]						
48	47 3/4	1213	35 3/4	908	47 13/16	1214]						
50			37 1/4	946			-						
52	1		38 3/4	984	1								
54	1		40 1/4	1022	1								
	-				-								

Η

56

58

60

62

64

Pressure Loss Through Lattice Grille

41 3/4

43 1/4

44 3/4

46 1/4

47 3/4

1060

1099

1137

1175

1213

Option Code	Core Velocity	300	400	500	600	700	800	900	1000	1200	1400
Option odde	VP	.006	.010	.016	.022	.031	.040	.051	.062	.090	.122
A1, B1, C1 (60%)		.019	.034	.053	.077	.105	.137	.173	.213	.307	.418
A2, B2, C2 (50%)	Neg. SP	.032	.057	.089	.128	.174	.228	.288	.356	.512	.697
A3, B3, C3 (70%)		.011	.020	.031	.044	.060	.078	.099	.122	.176	.240
A4, B4, C4 (68%)		.012	.022	.034	.050	.068	.089	.112	.138	.198	.270
A5, B5, C5 (65%)		.015	.027	.042	.061	.083	.108	.137	.167	.243	.331

VP - velocity pressure - inches w.g.

Neg. SP - negative static pressure - inches w.g.

Core Velocity is in feet per minute.

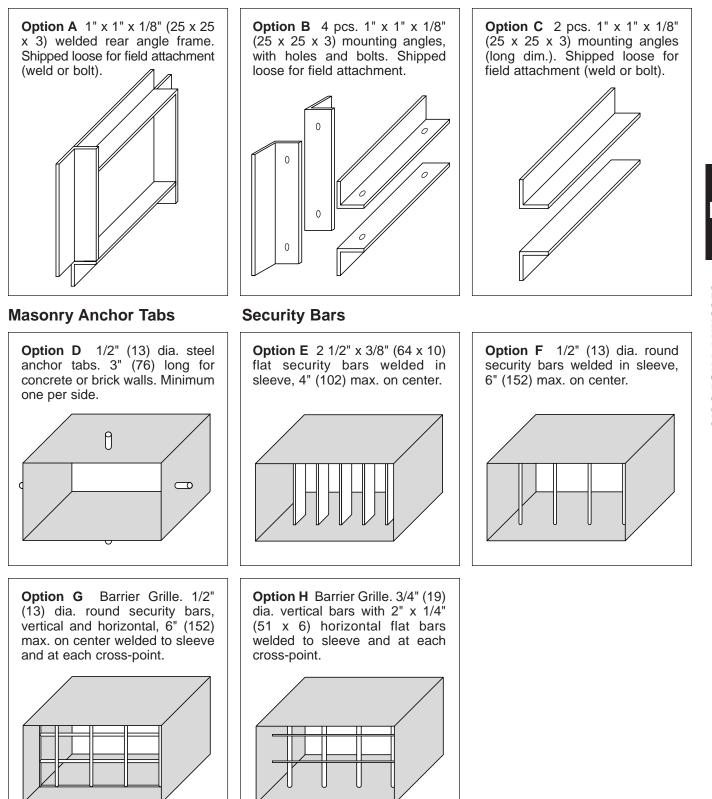
Core represents daylight opening dimensions.

SECURITY PRODUCT OPTIONS AND ACCESSORIES

Nailor

Options and Accessories

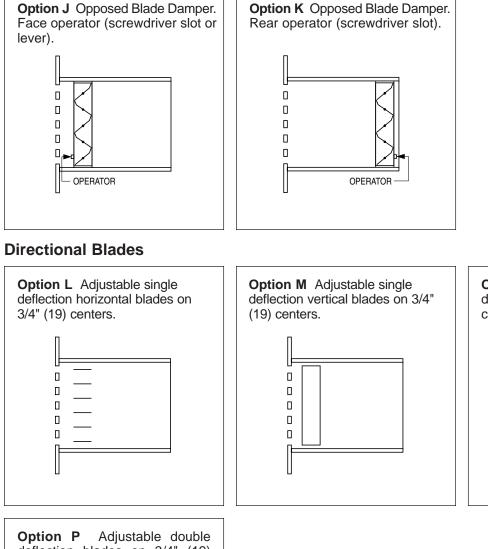
Mounting Angles



SECURITY PRODUCT OPTIONS AND ACCESSORIES

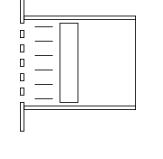
Options and Accessories

Opposed Blade Dampers



Option N Adjustable double deflection blades on 3/4" (19) centers. Horizontal front blades.

Nailor



Coption P Adjustable double deflection blades on 3/4" (19) centers. Vertical front blades.

Important note for all options and accessories: Not all options shown, or certain combinations, are necessarily available on individual security products. Consult the individual model description to determine which options apply.