

- RSPA01 - Grille
- RSPA02 - Register
- RSPA03 - Grille with Fire Damper
- RSPA04 - Register with Fire Damper

Application

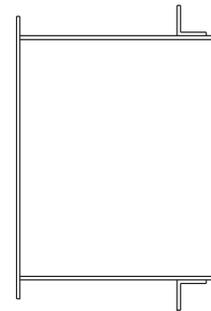
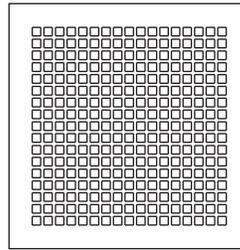
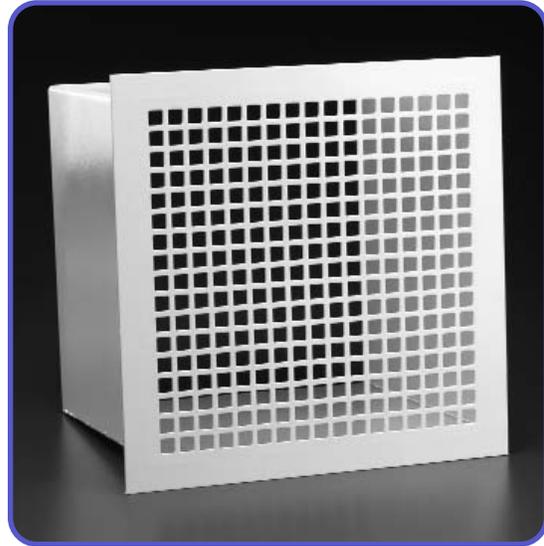
This model is used in minimum security applications which require attachment from behind the wall or ceiling. It is commonly used as a return or exhaust with the RSPA35 and 36 functioning as the matching supply.

Standard Features

- 12 gauge hot rolled steel face and sleeve.
- Hole pattern is 1/2" squar holes on 11/16" centers (3/16" frets).
- Wall angles are 1-1/2" x 1-1/2" x 1/8" steel, and are shipped in four loose pieces for field welding.
- Standard finish is electrocoat acrylic baked enamel.
- Standard color is #11 bright white.
- Damper on models RSPA02 and RSPA04 is electrogalvanized steel model RXEA.
- Fire damper is UL555 classified with 1-1/2 hour rating.
- Min. wall depth for RSPA03 is 5" to conform w/ UL listing.
- Min. wall depth for RSPA04 is 7" to conform w/ UL listing.

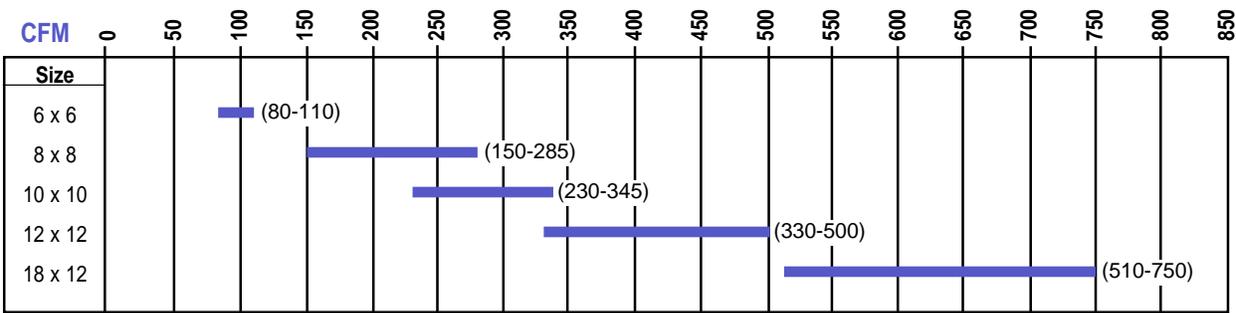
Optional Features

- When specified, Option "H" provides the wall angles in four loose pieces for field bolting, with mounting holes pre-punched in the angles, and security nuts and bolts provided.
- Stainless steel construction available upon request. Please contact factory for pricing and availability.

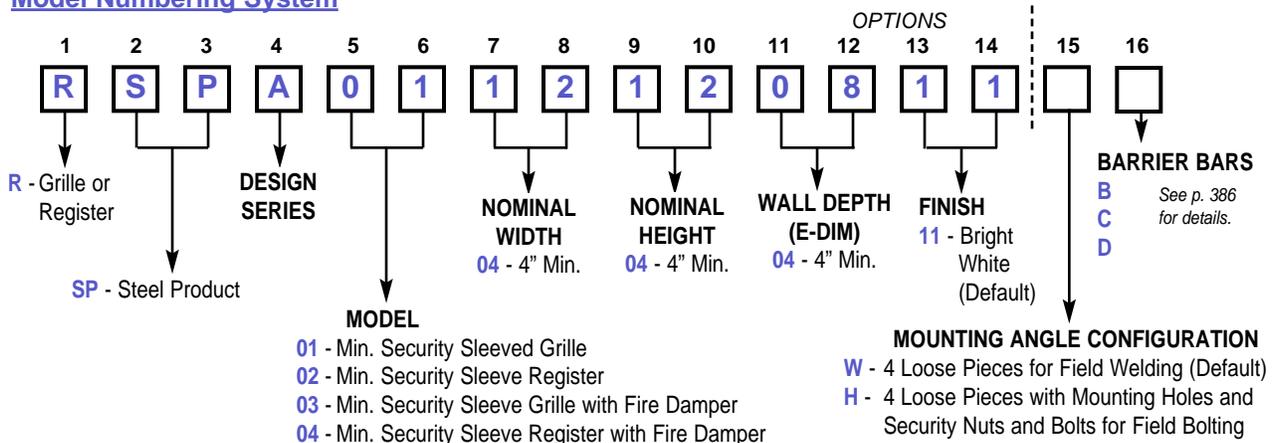


Quick Select Chart

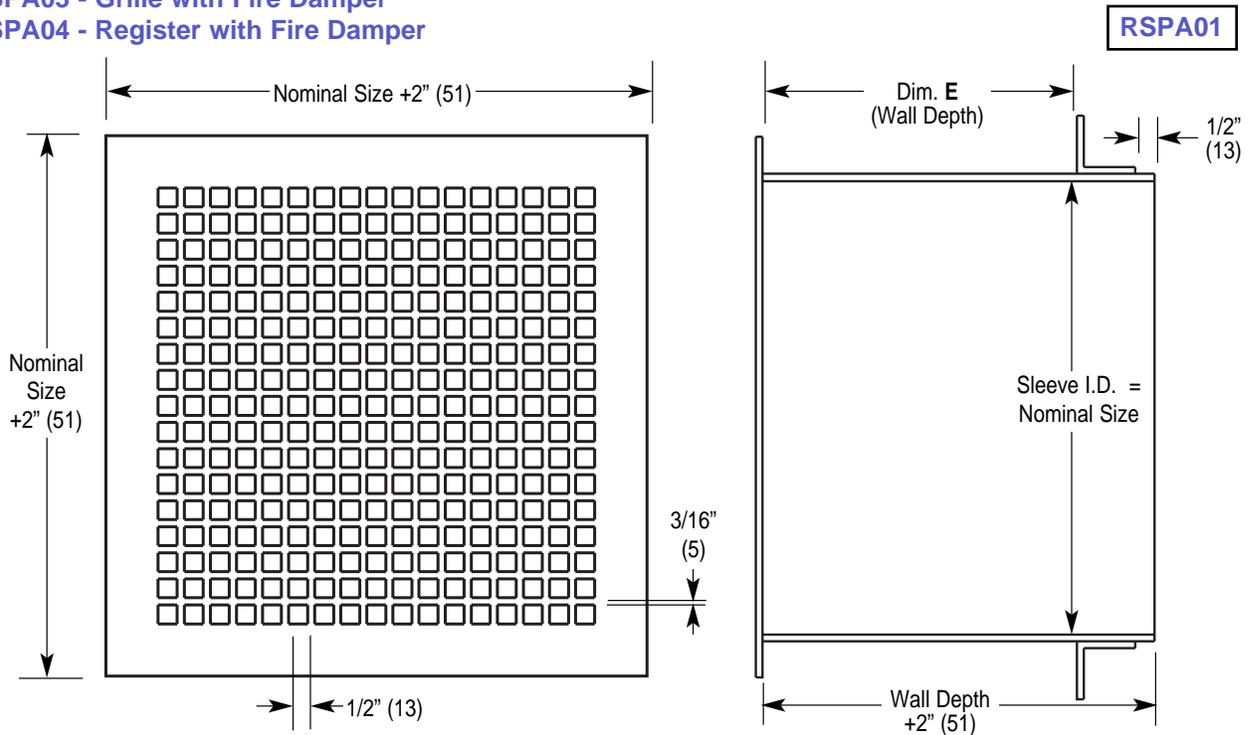
This shows units with: • A maximum NC/RC of 35.
• A minimum duct velocity of 330 FPM.



Model Numbering System



- RSPA01 - Grille
- RSPA02 - Register
- RSPA03 - Grille with Fire Damper
- RSPA04 - Register with Fire Damper



RSPA02

Model Notes:

1. Opposed Blade damper is electrogalvanized steel construction.
2. Damper is operated via flat-blade screwdriver through the face as standard.

RSPA03

Model Notes:

1. Fire damper is dynamic wall-mount style as standard.
2. The fire damper is UL555 classified with 1-1/2 hour rating.
3. Minimum wall depth is 5".

RSPA04

Model Notes:

1. Opposed blade damper is electrogalvanized steel construction.
2. Opposed blade damper is operated via flat-blade screw driver through the face as standard.
3. Fire damper is dynamic wall mount style as standard.
4. The fire damper is UL555 classified with 1-1/2 hour rating.
5. Minimum wall depth is 7".

Overall Notes:

1. Wall Angles are 1-1/2" x 1-1/2" x 1/8" (38 x 38 x 3) hot rolled steel. They are shipped in 4 pieces for field welding.
2. Metric dimensions are given in millimeters, and are shown in parentheses.
3. Recommended Minimum Wall Opening size is Listed Size plus 3/4" (19).
4. On large sizes, face may warp slightly, up to 1/8" (3) over one foot.
5. Model RSPA01, size 12" x 12" (305 x 305) with an 8" (203) wall depth, is shown above.

RSPA01 - Grille

RSPA02 - Register

RSPA03 - Grille with Fire Damper

RSPA04 - Register with Fire Damper

Duct Velocity		265	330	430	500	600
Negative Static Pressure		0.034	0.057	0.091	0.114	0.170
6" x 6" (.25 ft ²)	Air Flow	60	80	105	110	145
	Sound Level	22	25	28	35	40
8" x 6" (.33 ft ²)	Air Flow	80	105	135	155	195
	Sound Level	22	25	28	35	40
8" x 8" (.44 ft ²)	Air Flow	115	150	200	285	340
	Sound Level	22	25	28	35	40
10" x 8" (.56 ft ²)	Air Flow	165	205	265	410	485
	Sound Level	22	25	28	35	40
10" x 10" (.69 ft ²)	Air Flow	180	230	300	345	400
	Sound Level	22	25	28	35	40
12" x 12" (1.00 ft ²)	Air Flow	265	330	430	500	600
	Sound Level	22	25	28	35	40
18" x 12" (1.50 ft ²)	Air Flow	415	510	650	750	910
	Sound Level	22	25	28	35	40
18" x 18" (2.25 ft ²)	Air Flow	600	750	980	1100	1350
	Sound Level	22	25	28	35	40
24" x 12" (2.00 ft ²)	Air Flow	530	665	875	975	1180
	Sound Level	22	25	28	35	40
24" x 18" (3.00 ft ²)	Air Flow	820	1010	1300	1500	1840
	Sound Level	22	25	28	35	40
24" x 24" (4.00 ft ²)	Air Flow	1100	1360	1750	1950	2400
	Sound Level	22	25	28	35	40

Notes on Performance Data

- Actual performance in the field may vary.
- Sound level values are based on a room absorption of 10 db re 10⁻¹² watts.

Units of Measure Used

- Velocity is given in Feet per Minute (fpm).
- Pressure is given in Inches of Water (w.g.)
- Flows are given in Cubic Feet per Minute (CFM).
- Sound Data is given in Noise Criteria (NC).

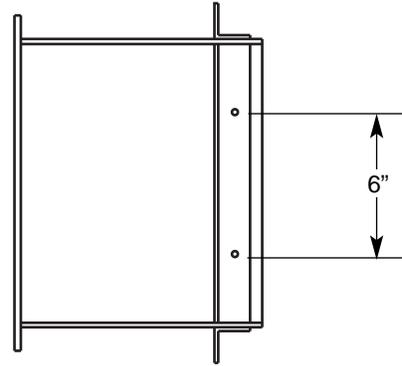
Option “H” - Mounting Angles for Field Bolting onto Wall R&G

Application

The RSPA 51 group is used in security applications where there is a concern that the occupant may attempt suicide. The 3/16” perforated hole pattern is designed to deter passage of any string through the face and back. This hole pattern also prevents any chance to hide contraband. This is not a substitute for proper security practices. Because of the perforated hole pattern, the opposed blade damper needs to be accessed from the back side.

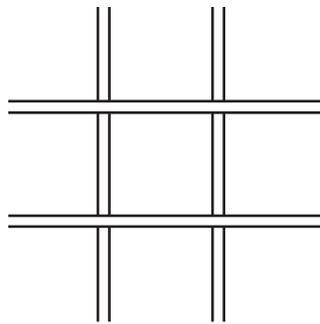
Features

- Mounting angles are provided with holes punched on 6” centers.
- There are a minimum of 2 holes per mounting angle.
- The bolts provided are #1/4-20 x 1” snake-eyes head.
- The nuts provided are 1/4-20 self-locking hex nuts.

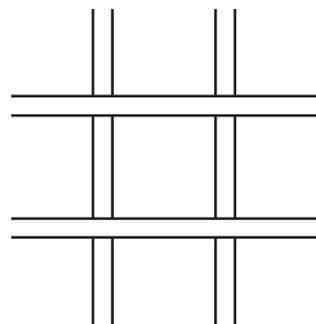


Barrier Bar Options

Option B - 1/2” round bar on 6” centers.



Option C - 3/4” round bar on 6” centers.



Option D - 3/4” round bar vertical on 6” centers through horizontal bars (3/8” x 2-1/2”) on 12” centers. All intersections are welded.

