

MODEL

- S480 - Steel, heavy duty return

FEATURES

- Steel, heavy duty construction
- Horizontal (H) or vertical (V) blades
- 1/2" 14 gauge blade spacing at 38° blade fixed deflection
- 3/8" blade spacing at 0° blade fixed deflection
- 16 gauge frame
- 48"x48" maximum single unit size

GRILLE SIZES ¹

- Width: 6" - 240" (1/4" increments)
- Height: 4" - 240" (1/4" increments)

FRAME STYLES

- F22 - Surface mount

COMPATIBLE OPTIONS AND ACCESSORIES

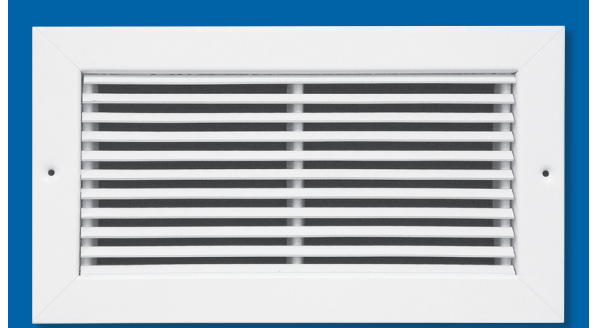
- Compatible options and accessories
- Screw holes, concealed fastening ², knurled knob ³, or 1/4-turn fasteners ³
- 5FF - Filter frame to fit 1" filter by others (8"x8" to 24"x24")
- 8PF - Steel plaster frame (48"x36" or 36"x48" max)
- 58PF - Aluminum plaster frame (48"x36" or 36"x48" max)
- OBD - Steel, square or rectangular damper
- 5OBD - Aluminum, square or rectangular damper
- POBD - Steel, square or rectangular painted damper
- SRAC325 - Steel, square to round adapter

NOTES: Not all options available with all configurations. Many options not compatible with other options. Size limitations on accessories. See website for complete compatibility.

¹ Max ordered size is 240"x96" or 96"x240". Units over 48"x48" provided in multiple sections.

² Concealed fastening available in max 36"x36" size.

³ Knurled knob and 1/4 turn fastening methods are only available with filter frame accessory.

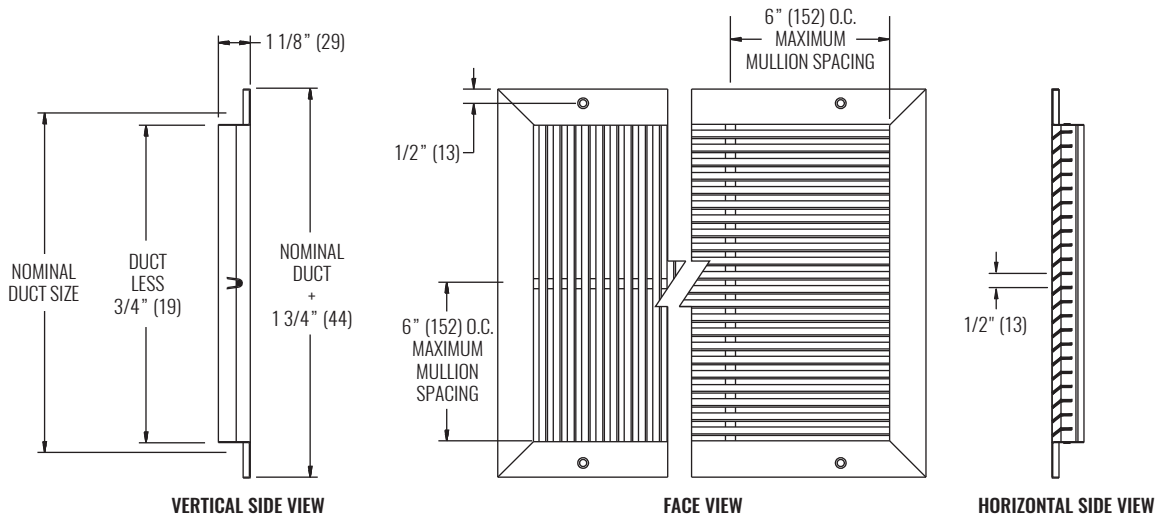


S480

Return Grille, Heavy Duty, Steel



DIMENSIONAL DATA



NOTES: Dimensions in parentheses are millimeters (mm). Illustration shown for 38° deflection.

PERFORMANCE DATA

SIZE	PERFORMANCE		SIZE	PERFORMANCE	
	NC (< 25)	NC (25 - 40)		NC (< 25)	NC (25 - 40)
NOMINAL	CFM	CFM	NOMINAL	CFM	CFM
0° DEFLECTION			38° DEFLECTION		
8"x8"	50 - 275	300 - 500	8"x8"	50 - 200	238 - 350
10"x6"	50 - 250	300 - 525	10"x6"	25 - 519	630 - 964
10"x10"	75 - 400	450 - 825	10"x10"	25 - 288	353 - 550
12"x6"	25 - 250	325 - 625	12"x6"	25 - 213	259 - 400
12"x8"	50 - 400	425 - 800	12"x8"	25 - 275	338 - 525
12"x12"	100 - 550	600 - 1150	12"x12"	25 - 388	478 - 750
16"x16"	100 - 900	1000 - 1900	16"x16"	50 - 650	800 - 1250
18"x18"	300 - 1100	1200 - 2300	18"x18"	75 - 788	966 - 1500
22"x22"	400 - 1550	1700 - 3200	22"x22"	125 - 1113	1359 - 2100
24"x12"	200 - 1000	1100 - 2050	24"x12"	100 - 725	881 - 1350
24"x24"	500 - 1800	2000 - 3700	24"x24"	200 - 1350	1638 - 2500
48"x48"	2000 - 5700	6100 - 11700	48"x48"	700 - 4350	5263 - 8000

SEE BACK SUPPLEMENT FOR DESIGN INFO

NOTES: Information shown is abbreviated. See website for complete information. Dimensions in parentheses are millimeters (mm). NC ranges are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741.