

**DESCRIPTION:**

FR series are a 1-way return air grille used to cover floor openings. The heavy gauge steel face allows for 1-way airflow and is durable for home foot traffic. Our product is constructed to ensure maximum airflow and compliment your home decor. Using our product to outfit your ventilation system will improve your home air circulation.

MATERIAL :

All-steel construction.

FUNCTION :

- Provides firm, smooth surface.
- Extremely rigid.
- Free area averages over 75%.

FINISHING :

- White or brown powder-coating finish.
- Any colors you would like (4 weeks more).

INSTALLATION :

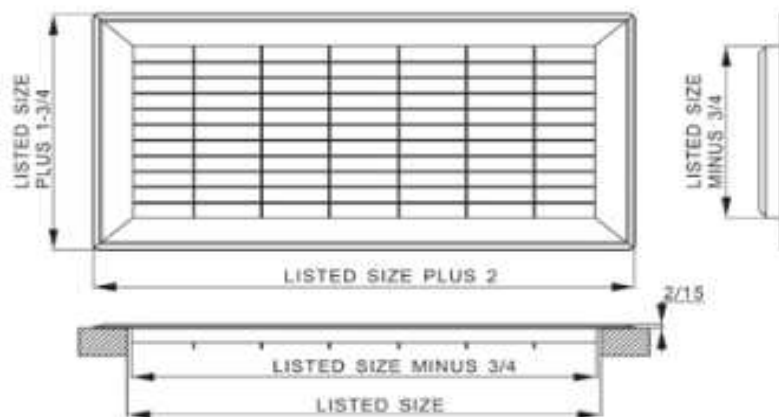
Install with fins upward or downward for best duct concealment.



STANDARD SIZES (in.) :

AVAILABLE SIZES (in.) - Always width x height											
HEIGHT	WIDHT										
	8	10	12	14	16	18	20	24	25	30	36
4	X	X	X	X		X		X		X	
6		X	X	X	X	X	X	X		X	X
8	X	X	X	X	X	X	X	X		X	
9			X								
10		X	X	X	X	X	X	X		X	
12			X	X	X	X	X	X		X	
14				X	X		X	X		X	
16					X		X	X		X	
18						X		X		X	
20							X	X	X	X	
24								X		X	X

FR - DRAWINGS:





PERFORMANCE DATA

Outlet Size	6x6	4x8	4x10	4x12	8x8	6x12	6x14	4x24	8x12
Area	0.250	0.260	0.278	0.333	0.444	0.500	0.583	0.667	0.667
CFM	Face Velocity								
50	200								
75	300	289	270	225					
100	400	385	360	300	225	200			
125	500	481	450	375	282	250	215		
150	600	577	540	450	338	300	258	225	225
200		769	720	600	450	400	343	300	300
250				750	563	500	429	375	375
300					675	600	515	450	450
350					788	700	600	525	525
400							686	600	600
450							772	675	675

Outlet Size	10x10	8x14	10x14	6x24	12x12	6x30	8x24	12x18	12x30
Area	0.694	0.778	0.972	1.000	1.000	1.250	1.333	1.500	2.500
CFM	Face Velocity								
150	216								
200	288	257	206	200	200				
250	360	321	257	250	250	200			
300	432	386	309	300	300	240	225	200	
400	576	514	411	400	400	320	300	267	
500	720	643	514	500	500	400	375	333	200
600		771	617	600	600	480	450	400	240
700			720	700	700	560	525	467	280
800						640	600	533	320
900						720	675	600	360
1000								667	400

Outlet Size	18x18	20x20	18x24	18x30	24x24	18x36	20x36	24x30	24x36
Area	2.250	2.778	3.000	3.750	4.000	4.500	5.000	5.000	6.000
CFM	Face Velocity								
500	222								
600	267	216	200						
700	311	252	233						
800	356	288	267	213	200				
900	400	324	300	240	225	200			
1000	444	360	333	267	250	222	200	200	
1500	667	540	500	400	375	333	300	300	250
2000		720	667	533	500	444	400	400	333
2500				667	625	556	500	500	417
3000						667	600	600	500
4000									667

Notes:

Neck Velocity - The neck velocity is in feet per minute

Face Velocity - The discharge velocity is in feet per minute

Ps - Static pressure readings are in inches water gauge.

Throw - Throw indicated are based on total number of feet of projected air when a terminal velocity of 50 feet per minute is reached. Values reflect side louver throw and center louver throw respectively. Throw should extend at least 75% of the distance from the face of the grille to the wall opposite the outlet. Throws are based on a 9 foot ceiling height.

Spread - Horizontal spread is measured in feet per minute



ORDER CODES

FR	02	N 10"x 8"
		N: Listed Size
		01.Brown 02.White