



Hart & Cooley®
install confidence

Light Commercial Grilles, Registers & Diffusers

Edition 5

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What's New...

LIGHT COMMERCIAL

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Registers & Grilles - Steel



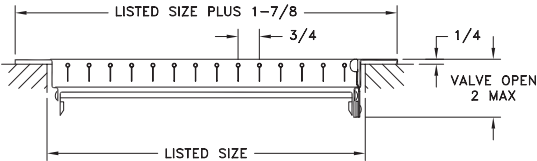
821

- All-steel construction
- Vertical adjustable face bars
- Horizontal multi-shutter valve
- Bright White finish

821 Available Sizes (in.)												
HT	WIDTH											
	6	8	10	12	14	16	18	20	24	30	36	
4	X	X	X	X	X	X	X	X	X	X		
5			X	X	X							
6	X	X	X	X	X	X	X	X	X	X	X	
8		X	X	X	X	X	X	X	X	X	X	
10			X	X	X	X	X	X	X	X	X	
12				X	X	X	X	X	X	X	X	
14					X	X	X	X	X	X	X	
16						X	X	X	X	X		
18							X	X	X	X		
20								X				
24									X			

Contact factory for sizes not listed.

Note: Screw hole location details on page 117



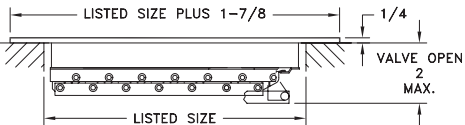
831

- All-steel construction
- Horizontal adjustable face bars
- Vertical valve
- Adjustable multi-shutter valve
- Bright White finish
- 3/4" fin spacing

831 Available Sizes (in.)											
HT	WIDTH										
	8	10	12	14	16	20	24	30	32	36	
4	X	X	X	X							
6	X	X	X	X	X	X	X	X			
8		X	X	X	X	X	X	X			
10			X			X	X				
12						X				X	
14						X			X		

Contact factory for sizes not listed.

Note: Screw hole location details on page 117

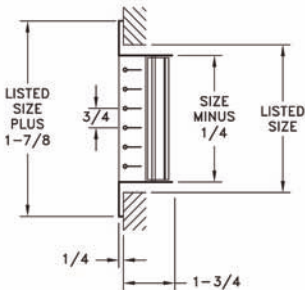




92HVO Grille

- All-steel construction
- Adjustable face bars may be set to any desired deflection
- Horizontal front bars
- Vertical second bars
- Larger sizes available in multiple-piece construction
- Bright White finish

Note: Screw hole location details on page 117



92HVO Available Sizes (in.)																
HT	WIDTH															
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X
12				X	X	X	X	X	X	X	X	X	X	X	X	X
14					X	X	X	X	X	X	X	X	X	X	X	X
16						X	X	X	X	X	X	X	X	X	X	X
18							X	X	X	X	X	X	X	X	X	X
20								X	X	X	X	X	X	X	X	X
22									X	X	X	X	X	X	X	X
24										X	X	X	X	X	X	X
26											X	X	X	X	X	X
28												X	X	X	X	X
30													X	X	X	X
32														X	X	X
34															X	X
36																X

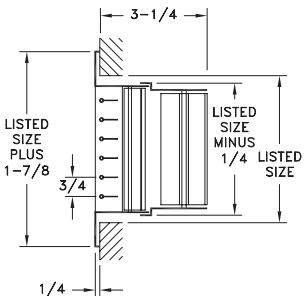
Contact factory for sizes not listed.



92HVV Register

- All-steel construction
- Horizontal front bars
- Vertical second bars
- Opposed-blade damper
- Adjustable face bars may be set to any desired deflection
- Larger sizes available in multiple-piece construction
- Bright White finish

Note: Screw hole location details on page 117



92HVV Available Sizes (in.)																
HT	WIDTH															
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X
12				X	X	X	X	X	X	X	X	X	X	X	X	X
14					X	X	X	X	X	X	X	X	X	X	X	X
16						X	X	X	X	X	X	X	X	X	X	X
18							X	X	X	X	X	X	X	X	X	X
20								X	X	X	X	X	X	X	X	X
22									X	X	X	X	X	X	X	X
24										X	X	X	X	X	X	X
26											X	X	X	X	X	X
28												X	X	X	X	X
30													X	X	X	X
32														X	X	X
34															X	X
36																X

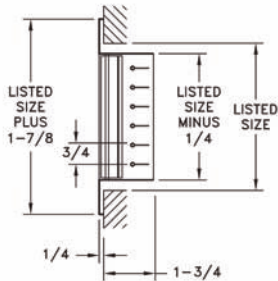
Contact factory for sizes not listed.

Registers & Grilles - Steel

**92VHO Grille**

- All-steel construction
- Vertical front bars
- Horizontal second bars
- Adjustable face bars may be set to any desired deflection
- Larger sizes available in multiple-piece construction
- Bright White finish

Note: Screw hole location details on page 117



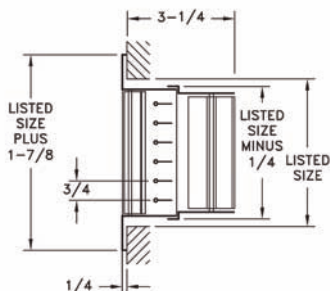
92VHO Available Sizes (in.)																
HT	WIDTH															
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X
12				X	X	X	X	X	X	X	X	X	X	X	X	X
14					X	X	X	X	X	X	X	X	X	X	X	X
16						X	X	X	X	X	X	X	X	X	X	X
18							X	X	X	X	X	X	X	X	X	X
20								X	X	X	X	X	X	X	X	X
22									X	X	X	X	X	X	X	X
24										X	X	X	X	X	X	X
26											X	X	X	X	X	X
28												X	X	X	X	X
30													X	X	X	X
32														X	X	X
34															X	X
36																X

Contact factory for sizes not listed.

**92VHV Register**

- All-steel construction
- Vertical front bars
- Horizontal second bars
- Adjustable face bars may be set to any desired deflection
- Opposed-blade damper
- Larger sizes available in multiple-piece construction
- Bright White finish

Note: Screw hole location details on page 117



92VHV Available Sizes (in.)																
HT	WIDTH															
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X
12				X	X	X	X	X	X	X	X	X	X	X	X	X
14					X	X	X	X	X	X	X	X	X	X	X	X
16						X	X	X	X	X	X	X	X	X	X	X
18							X	X	X	X	X	X	X	X	X	X
20								X	X	X	X	X	X	X	X	X
22									X	X	X	X	X	X	X	X
24										X	X	X	X	X	X	X
26											X	X	X	X	X	X
28												X	X	X	X	X
30													X	X	X	X
32														X	X	X
34															X	X
36																X

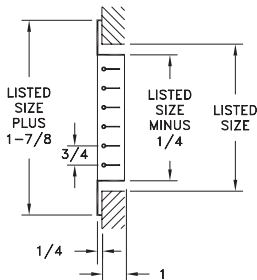
Contact factory for sizes not listed.



94 Grille

- All-steel construction
- Horizontal face bars set straight
- Face bars permanently fixed into a heavy steel frame at 90-degree angle from face
- Larger sizes available in multiple-piece construction
- Bright White finish

Note: Screw hole location details on page 117



94 Available Sizes (in.)																
HT	WIDTH															
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X
12				X	X	X	X	X	X	X	X	X	X	X	X	X
14					X	X	X	X	X	X	X	X	X	X	X	X
16						X	X	X	X	X	X	X	X	X	X	X
18							X	X	X	X	X	X	X	X	X	X
20								X	X	X	X	X	X	X	X	X
22									X	X	X	X	X	X	X	X
24										X	X	X	X	X	X	X
26											X	X	X	X	X	X
28												X	X	X	X	X
30													X	X	X	X
32														X	X	X
34															X	X
36																X

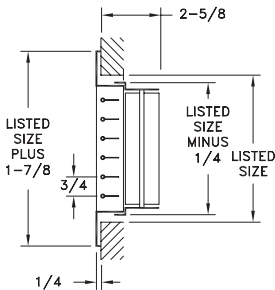
Contact factory for sizes not listed.



94HOV Register

- All-steel construction
- Horizontal face bars set straight
- Face bars permanently fixed into a heavy steel frame at 90-degree angle from face
- Opposed-blade damper
- Larger sizes available in multiple-piece construction
- Bright White finish

Note: Screw hole location details on page 117



94HOV Available Sizes (in.)																
HT	WIDTH															
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X
12				X	X	X	X	X	X	X	X	X	X	X	X	X
14					X	X	X	X	X	X	X	X	X	X	X	X
16						X	X	X	X	X	X	X	X	X	X	X
18							X	X	X	X	X	X	X	X	X	X
20								X	X	X	X	X	X	X	X	X
22									X	X	X	X	X	X	X	X
24										X	X	X	X	X	X	X
26											X	X	X	X	X	X
28												X	X	X	X	X
30													X	X	X	X
32														X	X	X
34															X	X
36																X

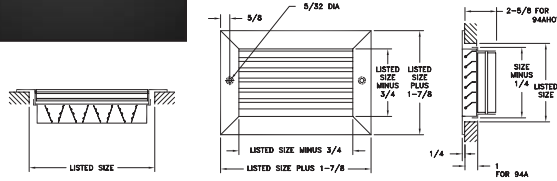
Contact factory for sizes not listed.

Registers & Grilles - Steel



94A Grille (No Damper)

- All-steel construction
- 3/4" spaced fins set at 35°, horizontal face bars set at 35°
- Larger sizes available in multiple-piece construction
- Also available as 94AT T-Bar Return Grille (see page 57)
- Bright White finish



94A Available Sizes (in.)																		
HT	WIDTH																	
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X			X	X	X	X	X	X	X	X	X	X	X	X		
10			X		X	X	X	X	X	X	X	X	X	X	X	X		
12				X		X	X	X	X	X	X	X	X	X	X	X		
14					X	X	X	X	X	X	X	X	X	X	X	X		
16						X	X	X	X	X	X	X	X	X	X	X		
18							X	X	X	X	X	X	X	X	X	X		
20								X	X	X	X	X	X	X	X	X		
22									X	X	X	X	X	X	X	X		
24										X	X	X	X	X	X	X		
26											X	X	X	X	X	X		
28												X	X	X	X	X		
30													X	X	X	X		
32														X	X	X		
34															X	X		
36																X		

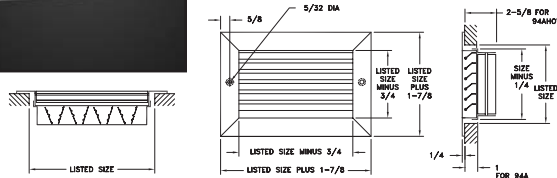
Contact factory for sizes not listed.

Note: Screw hole location details on page 117



94AHOV Register

- All-steel construction
- 3/4" spaced fins set at 35°, horizontal face bars set at 35°
- Opposed-blade damper
- Larger sizes available in multiple-piece construction
- Bright White finish



		94AHOV Available Sizes (in.)																
HT	WIDTH																	
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12				X	X	X	X	X	X	X	X	X	X	X	X	X		
14					X	X	X	X	X	X	X	X	X	X	X	X		
16						X	X	X	X	X	X	X	X	X	X	X		
18							X	X	X	X	X	X	X	X	X	X		
20								X	X	X	X	X	X	X	X	X		
22									X	X	X	X	X	X	X	X		
24										X	X	X	X	X	X	X		
26											X	X	X	X	X	X		
28												X	X	X	X	X		
30													X	X	X	X		
32														X	X	X		
34															X	X		
36																X		

Note: Screw hole location details on page 117



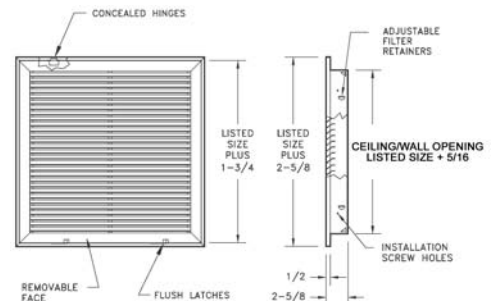
96AFB Fixed-Bar Filter Grille

- Steel construction
- Simplifies contractor installation
- Flush, removable face with concealed hinges
- Uses nominal 1" thick disposable filters (not included)
- 96AFB2 uses 2" thick disposable filters and is available by special order
- Equipped with adjustable filter retainers
- 3/4" spaced fins set at 35°
- Also available as 96AFBT T-Bar Fixed Bar Filter Grille (see page 88)
- Bright White finish

		96AFB Standard Sizes (in.)									
HT		WIDTH									
		10	12	14	16	18	20	24	25	30	36
10							X	X		X	
12			X				X	X		X	
14				X			X	X	X	X	
16					X		X	X	X		
18						X	X	X		X	
20	X	X	X	X			X	X	X	X	
24		X	X	X	X		X	X		X	X
25			X	X			X		X		
30				X			X	X		X	X
36											X

Contact factory for sizes not listed.

Note: Screw hole location details on page 117



Engineering Data on Page 79

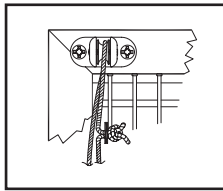


98VOH Ventilation Grille

- Steel construction
- Front bars are individually adjustable
- Horizontal blades are gang-operated to deflect air up or down thru face (no shut-off)
- Handle manually operated
- Bright White finish

		98VOH Available Sizes (in.)															
HT		WIDTH															
		10	12	14	16	18	20	22	24	26	28	30	32	34	36		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12		X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14			X	X	X	X	X	X	X	X	X	X	X	X	X		
16				X	X	X	X	X	X	X	X	X	X	X	X		
18					X	X	X	X	X	X	X	X	X	X	X		
20						X	X	X	X	X	X	X	X	X	X		
22							X	X	X	X	X	X	X	X	X		
24								X	X	X	X	X	X	X	X		
26									X	X	X	X	X	X	X		
28										X	X	X	X	X	X		
30											X	X	X	X	X		
32												X	X	X	X		
34													X	X	X		
36														X	X		

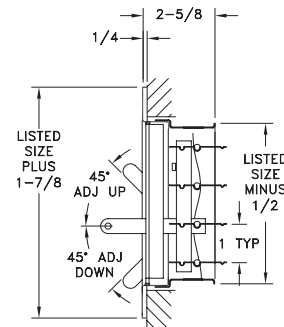
Note: Screw hole location details on page 117



Detail of optional pulley (98VOHP) for remote adjustment of deflection louvers. Field-installed center pulley over lever.

98VOHP Ventilation Grille

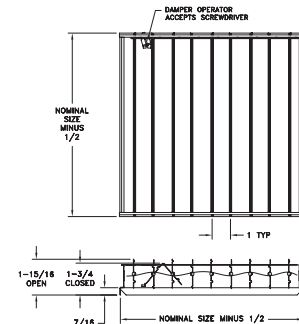
- Pulley field-mounted only
- Pulley assembly must be ordered separately
- Pulley operation allows air deflection adjustments from floor
- Two pulley assemble kits required for grilles over 24" wide



9200V Damper

- Steel construction
- Opposed-blade damper
- Controls the air volume from full flow to shut-off
- Mill finish

9200V Available Sizes (in.)	
Minimum: 6" x 4"	
Maximum: 24" x 24" One Piece	

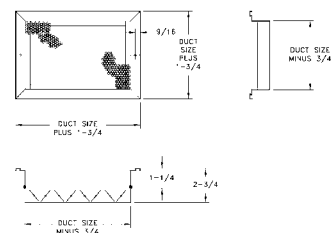


PFG Perforated Face Grille

- All steel construction
- Perforated face
- Optional opposed blade damper
- Optional T-Bar lay-in frames
- Bright white finish

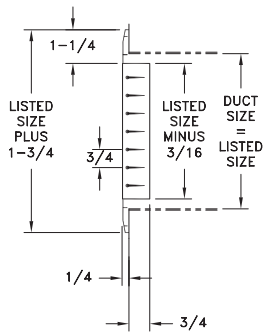
PFG Available Sizes (in.)	
Minimum: 6" x 4"	
Maximum: 48" x 48" One Piece	

Note: Screw hole location details on page 117





Note: Screw hole location details on page 117



HX Grille

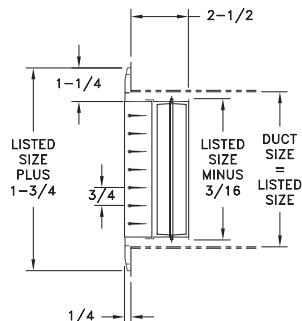
- Extruded aluminum construction
- Horizontal front bars
- Single row of individually adjustable horizontal face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish

[illegible]

Other sizes available upon request



Note: Screw hole location details on page 117



HD Register

- Extruded aluminum construction
- Single row of individually adjustable horizontal face bars
- Pivoted bars for easy positive setting
- Opposed-blade damper
- Bright White or Satin Anodized finish

[illegible]

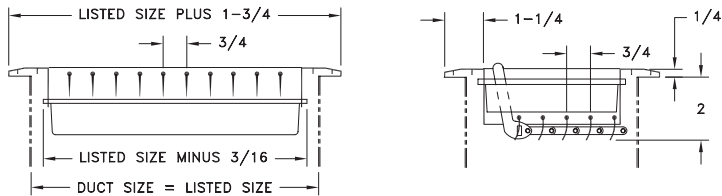
Other sizes available upon request



HM Register

- Extruded aluminum construction
- Single row of individually adjustable horizontal face bars
- Pivoted bars for easy positive setting
- Lever-operated, multi-shutter valve
- Bright White or Satin Anodized finish

Note: Screw hole location details on page 117



HM Available Sizes (in.)	
HT	WIDTH
	6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36
4	X X X X X X X X X X X X X X X X
5	X X X X X X X X X X X X X X X X
6	X X X X X X X X X X X X X X X X
8	X X X X X X X X X X X X X X X X
10	X X X X X X X X X X X X X X X X
12	X X X X X X X X X X X X X X X X
14	X X X X X X X X X X X X X X X X
16	X X X X X X X X X X X X X X X X
18	X X X X X X X X X X X X X X X X
20	X X X X X X X X X X X X X X X X
22	X X X X X X X X X X X X X X X X
24	X X X X X X X X X X X X X X X X
26	X X X X X X X X X X X X X X X X
28	X X X X X X X X X X X X X X X X
30	X X X X X X X X X X X X X X X X
32	X X X X X X X X X X X X X X X X
34	X X X X X X X X X X X X X X X X
36	X X X X X X X X X X X X X X X X

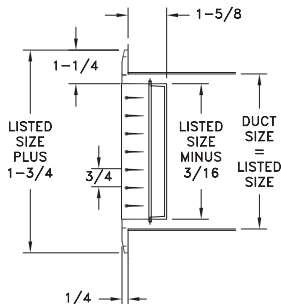
Other sizes available upon request



HV Grille

- Extruded aluminum construction
- Horizontal front bars
- Vertical second bars
- Two rows of individually adjusted face bars for horizontal and vertical deflection
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish

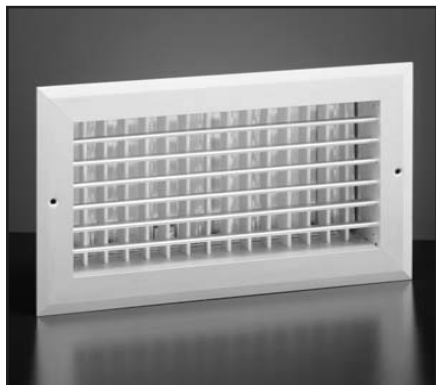
Note: Screw hole location details on page 117



HV Available Sizes (in.)	
HT	WIDTH
	6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48
4	X X
5	X X
6	X X
8	X X
10	X X
12	X X
14	X X
16	X X
18	X X
20	X X
22	X X
24	X X
26	X X
28	X X
30	X X
32	X X
34	X X
36	X X
38	X X
40	X X
42	X X
44	X X
46	X X
48	X X

Other sizes available upon request

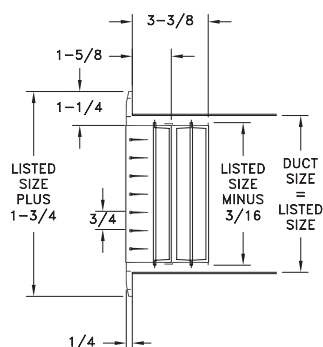
Registers & Grilles - Aluminum



HVD Register

- Extruded aluminum construction
- Two rows of individually adjusted face bars for horizontal and vertical deflection
- Pivoted bars for easy positive setting
- Opposed-blade damper
- Bright White or Satin Anodized finish

Note: Screw hole location details on page 117



		HVD Available Sizes (in.)																							
HT	WIDTH																								
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48			
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
16						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
18							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
20								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
22									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
24										X	X	X	X	X	X	X	X	X	X	X	X	X	X		
26											X	X	X	X	X	X	X	X	X	X	X	X	X		
28												X	X	X	X	X	X	X	X	X	X	X	X		
30													X	X	X	X	X	X	X	X	X	X	X		
32														X	X	X	X	X	X	X	X	X	X		
34															X	X	X	X	X	X	X	X	X		
36																X	X	X	X	X	X	X	X		
38																	X	X	X	X	X	X	X		
40																		X	X	X	X	X	X		
42																			X	X	X	X	X		
44																				X	X	X	X		
46																						X	X		
48																							X		

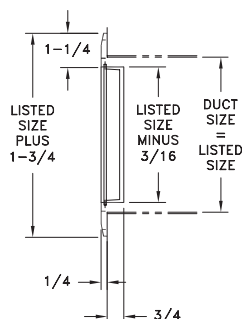
Other sizes available upon request



VX Grille

- Extruded aluminum construction
- Vertical front bars
- Single row of individually adjustable face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish

Note: Screw hole location details on page 117



		VX Available Sizes (in.)																							
HT	WIDTH																								
	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48		
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
16							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
18								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
20									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
22										X	X	X	X	X	X	X	X	X	X	X	X	X	X		
24											X	X	X	X	X	X	X	X	X	X	X	X	X		
26												X	X	X	X	X	X	X	X	X	X	X	X		
28													X	X	X	X	X	X	X	X	X	X	X		
30														X	X	X	X	X	X	X	X	X	X		
32															X	X	X	X	X	X	X	X	X		
34																X	X	X	X	X	X	X	X		
36																	X	X	X	X	X	X	X		
38																		X	X	X	X	X	X		
40																			X	X	X	X	X		
42																				X	X	X	X		
44																					X	X	X		
46																						X	X		
48																							X		

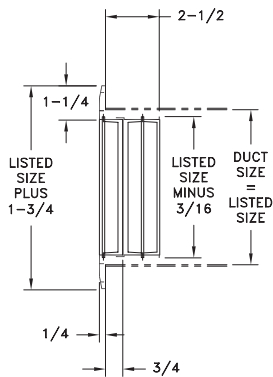
Other sizes available upon request



VD Register

- Extruded aluminum construction
- Vertical front bars
- Single row of individually adjustable face bars
- Pivoted bars for easy positive setting
- Opposed-blade damper
- Bright White or Satin Anodized finish

Note: Screw hole location details on page 117



		VD Available Sizes (in.)																							
HT		WIDTH																							
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48		
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
16						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
18							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
20								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
22									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
24										X	X	X	X	X	X	X	X	X	X	X	X	X	X		
26											X	X	X	X	X	X	X	X	X	X	X	X	X		
28												X	X	X	X	X	X	X	X	X	X	X	X		
30													X	X	X	X	X	X	X	X	X	X	X		
32														X	X	X	X	X	X	X	X	X	X		
34															X	X	X	X	X	X	X	X	X		
36																X	X	X	X	X	X	X	X		
38																	X	X	X	X	X	X	X		
40																		X	X	X	X	X	X		
42																			X	X	X	X	X		
44																				X	X	X	X		
46																					X	X	X		
48																						X	X		

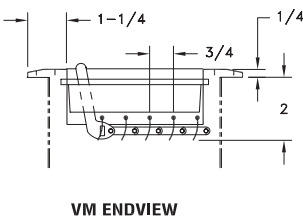
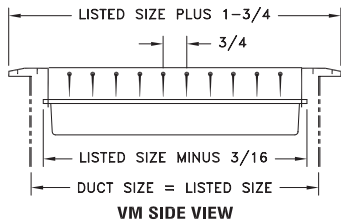
Other sizes available upon request



VM Register

- Extruded aluminum construction
- Vertical front bars
- Pivoted bars for easy positive setting
- Lever-operated, multi-shutter valve
- Single row of individually adjusted face bars
- Horizontal valve blades
- Bright White or Satin Anodized finish

Note: Screw hole location details on page 117



		VM Available Sizes (in.)															
HT		WIDTH															
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

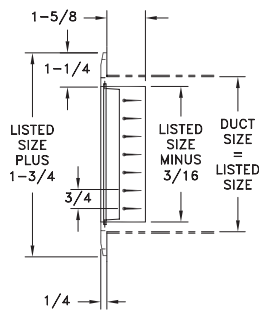
Other sizes available upon request



VH Grille

- Extruded aluminum construction
- Vertical front bars
- Horizontal second bars
- Two rows of individually adjusted face bars for horizontal and vertical deflection
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish

Note: Screw hole location details on page 117

[illegible]

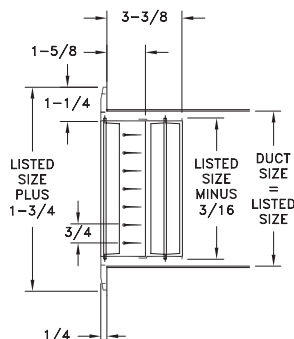
Other sizes available upon request



VHD Register

- Extruded aluminum construction
- Vertical front bars
- Horizontal second bars
- Two rows of individually adjusted face bars for horizontal and vertical deflection
- Pivoted bars for easy positive setting
- Opposed-blade damper
- Bright White or Satin Anodized finish

Note: Screw hole location details on page 117

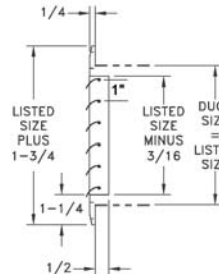
[illegible]

Other sizes available upon request



CH1 Grille

- Extruded aluminum construction
- One-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

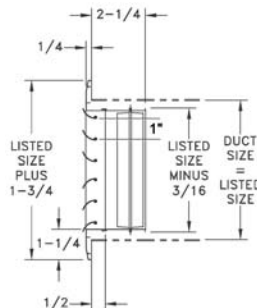
		CH1 Available Sizes (in.)																
HT		WIDTH																
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14					X	X	X	X	X	X	X	X	X	X	X	X	X	
16						X	X	X	X	X	X	X	X	X	X	X	X	
18							X	X	X	X	X	X	X	X	X	X	X	
20								X	X	X	X	X	X	X	X	X	X	
22									X	X	X	X	X	X	X	X	X	
24										X	X	X	X	X	X	X	X	
26											X	X	X	X	X	X	X	
28												X	X	X	X	X	X	
30													X	X	X	X	X	
32														X	X	X	X	
34															X	X	X	
36																X	X	

Other sizes available upon request



CHD1 Register

- Extruded aluminum construction
- One-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Opposed-blade damper
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

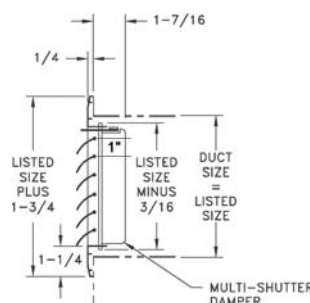
		CHD1 Available Sizes (in.)																
HT		WIDTH																
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
6		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12					X	X	X	X	X	X	X	X	X	X	X	X	X	
14						X	X	X	X	X	X	X	X	X	X	X	X	
16							X	X	X	X	X	X	X	X	X	X	X	
18								X	X	X	X	X	X	X	X	X	X	
20									X	X	X	X	X	X	X	X	X	
22										X	X	X	X	X	X	X	X	
24											X	X	X	X	X	X	X	
26												X	X	X	X	X	X	
28													X	X	X	X	X	
30														X	X	X	X	
32															X	X	X	
34																X	X	
36																	X	

Other sizes available upon request



CHM1 Register

- Extruded aluminum construction
- One-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Multi-shutter valve
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

		CHM1 Available Sizes (in.)																
HT		WIDTH																
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14					X	X	X	X	X	X	X	X	X	X	X	X	X	
16						X	X	X	X	X	X	X	X	X	X	X	X	
18							X	X	X	X	X	X	X	X	X	X	X	
20								X	X	X	X	X	X	X	X	X	X	
22									X	X	X	X	X	X	X	X	X	
24										X	X	X	X	X	X	X	X	
26											X	X	X	X	X	X	X	
28												X	X	X	X	X	X	
30													X	X	X	X	X	
32														X	X	X	X	
34															X	X	X	
36																X	X	

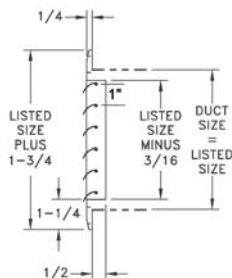
Other sizes available upon request

Registers & Grilles - Aluminum



CH2 Grille

- Extruded aluminum construction
- Two-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

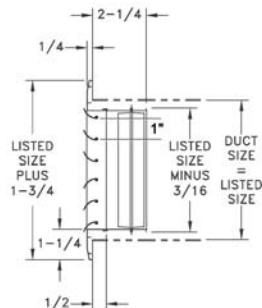
		CH2 Available Sizes (in.)																		
HT		WIDTH																		
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38		
6		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12					X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14						X	X	X	X	X	X	X	X	X	X	X	X	X		
16							X	X	X	X	X	X	X	X	X	X	X	X		
18								X	X	X	X	X	X	X	X	X	X	X		
20									X	X	X	X	X	X	X	X	X	X		
22										X	X	X	X	X	X	X	X	X		
24											X	X	X	X	X	X	X	X		
26												X	X	X	X	X	X	X		
28													X	X	X	X	X	X		
30														X	X	X	X	X		
32															X	X	X	X		
34																	X	X		
36																		X		

Other sizes available upon request



CHD2 Register

- Extruded aluminum construction
- Two-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Opposed-blade damper
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

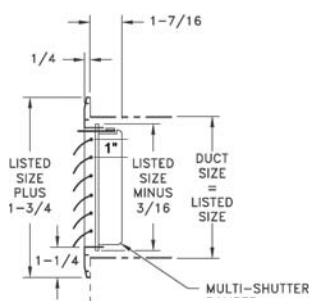
CHD2 Available Sizes (in.)																			
HT	WIDTH																		
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16						X	X	X	X	X	X	X	X	X	X	X	X	X	X
18							X	X	X	X	X	X	X	X	X	X	X	X	X
20								X	X	X	X	X	X	X	X	X	X	X	X
22									X	X	X	X	X	X	X	X	X	X	X
24										X	X	X	X	X	X	X	X	X	X
26											X	X	X	X	X	X	X	X	X
28												X	X	X	X	X	X	X	X
30													X	X	X	X	X	X	X
32														X	X	X	X	X	X
34																X	X	X	X
36																	X	X	X

Other sizes available upon request



CHM2 Register

- Extruded aluminum construction
- Two-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Multi-shutter valve
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

CHM2 Available Sizes (in.)																			
HT	WIDTH																		
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36			
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X			
12				X	X	X	X	X	X	X	X	X	X	X	X	X			
14					X	X	X	X	X	X	X	X	X	X	X	X			
16						X	X	X	X	X	X	X	X	X	X	X			
18							X	X	X	X	X	X	X	X	X	X			
20								X	X	X	X	X	X	X	X	X			
22									X	X	X	X	X	X	X	X			
24										X	X	X	X	X	X	X			
26											X	X	X	X	X	X			
28												X	X	X	X	X			
30													X	X	X	X			
32														X	X	X			
34																X			
36																			

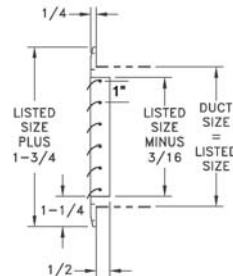
Other sizes available upon request



Note: Screw hole location details on page 117

C3 Grille

- Extruded aluminum construction
- Three-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish



		C3 Available Sizes (in.)																	
		WIDTH																	
HT		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10				X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12					X	X	X	X	X	X	X	X	X	X	X	X	X		
14						X	X	X	X	X	X	X	X	X	X	X	X		
16							X	X	X	X	X	X	X	X	X	X	X		
18								X	X	X	X	X	X	X	X	X	X		
20									X	X	X	X	X	X	X	X	X		
22										X	X	X	X	X	X	X	X		
24											X	X	X	X	X	X	X		
26												X	X	X	X	X	X		
28													X	X	X	X	X		
30														X	X	X	X		
32															X	X	X		
34																X	X		
36																	X		

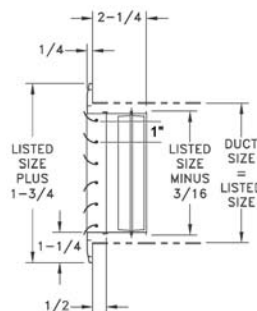
Other sizes available upon request



Note: Screw hole location details on page 117

CD3 Register

- Extruded aluminum construction
- Three-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Opposed-blade damper
- Bright White or Satin Anodized finish



		CD3 Available Sizes (in.)																	
		WIDTH																	
HT		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14					X	X	X	X	X	X	X	X	X	X	X	X	X		
16						X	X	X	X	X	X	X	X	X	X	X	X		
18							X	X	X	X	X	X	X	X	X	X	X		
20								X	X	X	X	X	X	X	X	X	X		
22									X	X	X	X	X	X	X	X	X		
24										X	X	X	X	X	X	X	X		
26											X	X	X	X	X	X	X		
28												X	X	X	X	X	X		
30													X	X	X	X	X		
32														X	X	X	X		
34															X	X	X		
36																X	X		

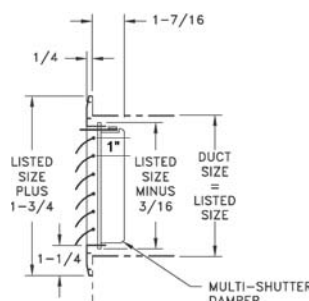
Other sizes available upon request



Note: Screw hole location details on page 117

CM3 Register

- Extruded aluminum construction
- Three-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Multi-shutter valve
- Bright White or Satin Anodized finish



		CM3 Available Sizes (in.)																	
		WIDTH																	
HT		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14					X	X	X	X	X	X	X	X	X	X	X	X	X		
16						X	X	X	X	X	X	X	X	X	X	X	X		
18							X	X	X	X	X	X	X	X	X	X	X		
20								X	X	X	X	X	X	X	X	X	X		
22									X	X	X	X	X	X	X	X	X		
24										X	X	X	X	X	X	X	X		
26											X	X	X	X	X	X	X		
28												X	X	X	X	X	X		
30													X	X	X	X	X		
32														X	X	X	X		
34															X	X	X		
36																X	X		

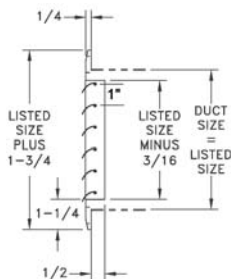
Other sizes available upon request

Registers & Grilles - Aluminum



C4 Grille

- Extruded aluminum construction
- Four-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

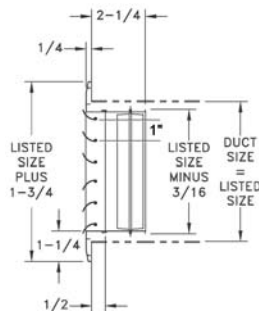
		C4 Available Sizes (in.)																		
HT	WIDTH																			
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14					X	X	X	X	X	X	X	X	X	X	X	X	X	X		
16						X	X	X	X	X	X	X	X	X	X	X	X	X		
18							X	X	X	X	X	X	X	X	X	X	X	X		
20								X	X	X	X	X	X	X	X	X	X	X		
22									X	X	X	X	X	X	X	X	X	X		
24										X	X	X	X	X	X	X	X	X		
26											X	X	X	X	X	X	X	X		
28												X	X	X	X	X	X	X		
30													X	X	X	X	X	X		
32														X	X	X	X	X		
34															X	X	X	X		
36																X	X	X		

Other sizes available upon request



CD4 Register

- Extruded aluminum construction
- Four-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Opposed-blade damper
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

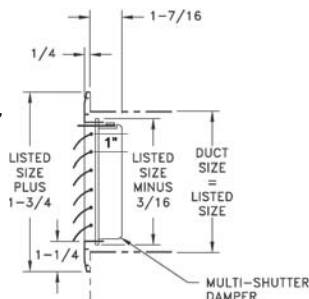
		CD4 Available Sizes (in.)																		
HT		WIDTH																		
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36			
6		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
8			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
10				X	X	X	X	X	X	X	X	X	X	X	X	X	X			
12					X	X	X	X	X	X	X	X	X	X	X	X	X			
14						X	X	X	X	X	X	X	X	X	X	X	X			
16							X	X	X	X	X	X	X	X	X	X	X			
18								X	X	X	X	X	X	X	X	X	X			
20									X	X	X	X	X	X	X	X	X			
22										X	X	X	X	X	X	X	X			
24											X	X	X	X	X	X	X			
26												X	X	X	X	X	X			
28													X	X	X	X	X			
30														X	X	X	X			
32															X	X	X			
34																X	X			
36																	X			

Other sizes available upon request



CM4 Register

- Extruded aluminum construction
- Four-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Multi-shutter valve
- Bright White or Satin Anodized finish



Note: Screw hole location details on page 117

		CM4 Available Sizes (in.)																		
HT		WIDTH																		
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
6		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14						X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16							X	X	X	X	X	X	X	X	X	X	X	X	X	
18								X	X	X	X	X	X	X	X	X	X	X	X	
20									X	X	X	X	X	X	X	X	X	X	X	
22										X	X	X	X	X	X	X	X	X	X	
24											X	X	X	X	X	X	X	X	X	
26												X	X	X	X	X	X	X	X	
28													X	X	X	X	X	X	X	
30														X	X	X	X	X	X	
32															X	X	X	X	X	
34																X	X	X	X	
36																	X	X	X	

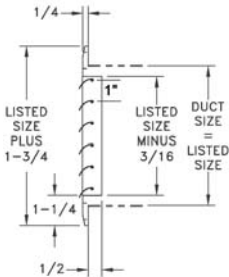
Other sizes available upon request



Note: Screw hole location details on page 117

CH2CL Grille

- Extruded aluminum construction
- Two-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish



		CH2CL Available Sizes (in.)																
HT		WIDTH																
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14					X	X	X	X	X	X	X	X	X	X	X	X	X	
16						X	X	X	X	X	X	X	X	X	X	X	X	
18							X	X	X	X	X	X	X	X	X	X	X	
20								X	X	X	X	X	X	X	X	X	X	
22									X	X	X	X	X	X	X	X	X	
24										X	X	X	X	X	X	X	X	
26											X	X	X	X	X	X	X	
28												X	X	X	X	X	X	
30													X	X	X	X	X	
32														X	X	X	X	
34															X	X	X	
36																X	X	

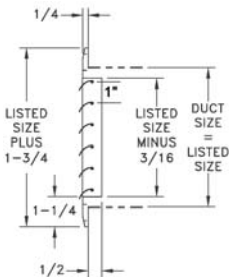
Other sizes available upon request



Note: Screw hole location details on page 117

CH2CR Grille

- Extruded aluminum construction
- Two-way deflection
- Individually adjustable curved-face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish



		CH2CR Available Sizes (in.)																
HT		WIDTH																
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14					X	X	X	X	X	X	X	X	X	X	X	X	X	
16						X	X	X	X	X	X	X	X	X	X	X	X	
18							X	X	X	X	X	X	X	X	X	X	X	
20								X	X	X	X	X	X	X	X	X	X	
22									X	X	X	X	X	X	X	X	X	
24										X	X	X	X	X	X	X	X	
26											X	X	X	X	X	X	X	
28												X	X	X	X	X	X	
30													X	X	X	X	X	
32														X	X	X	X	
34															X	X	X	
36																X	X	

Other sizes available upon request

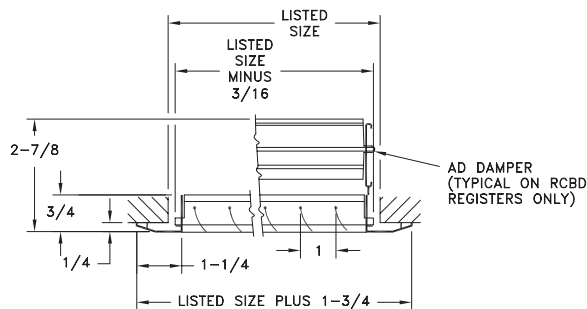
Registers & Grilles - Aluminum



Blades at 40° angle

RCB Grille RCBD Register

- Extruded aluminum construction
- Curved blades fixed on one-inch spacing
- Opposed-blade damper
- Bright White or Satin Anodized finish



RCB, RCBD Available Sizes (in.)																									
HT	WIDTH																								
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48			
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
14					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
16						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
18							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
20								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
22									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
24										X	X	X	X	X	X	X	X	X	X	X	X	X	X		
26											X	X	X	X	X	X	X	X	X	X	X	X	X		
28												X	X	X	X	X	X	X	X	X	X	X	X		
30													X	X	X	X	X	X	X	X	X	X	X		
32														X	X	X	X	X	X	X	X	X	X		
34															X	X	X	X	X	X	X	X	X		
36																X	X	X	X	X	X	X	X		
38																	X	X	X	X	X	X	X		
40																		X	X	X	X	X	X		
42																			X	X	X	X	X		
44																				X	X	X	X		
46																					X	X	X		
48																							X		

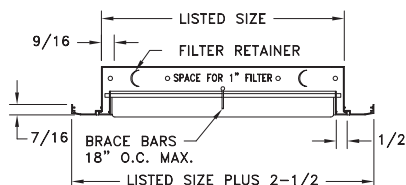
Other sizes available upon request



Blades at 40° angle

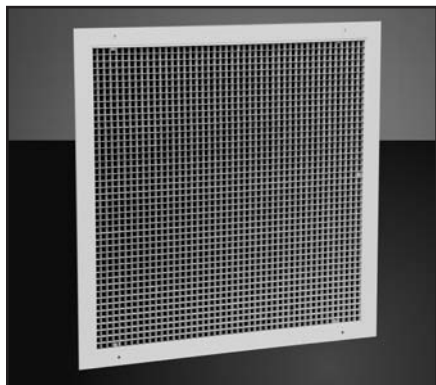
RCBF Filter Grille

- Extruded aluminum construction
- Horizontal curved blades
- Utilizes RCB grille
- Hinged on bottom edge
- Accommodates standard 1" thick disposable filter (not included)
- Filter grilles equipped with spring fasteners
- Filters not furnished
- Bright White or Satin Anodized finish



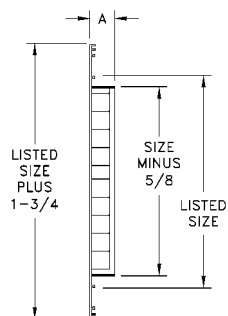
		RCBF Available Sizes (in.)																							
		WIDTH																							
HT		6	8	10	12	14	16	18	20	22	24	25	26	28	30	32	34	36	38	40	42	44	46	48	
6	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
8	X		X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
10				X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
12					X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
14						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18								X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
20							X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22									X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
24										X		X	X	X	X	X	X	X	X	X	X	X	X	X	
25									X			X													
26												X	X	X	X	X	X	X	X	X	X	X	X	X	
28													X	X	X	X	X	X	X	X	X	X	X	X	
30														X	X	X	X	X	X	X	X	X	X	X	
32															X	X	X	X	X	X	X	X	X	X	
34																	X	X	X	X	X	X	X	X	
36																		X	X	X	X	X	X	X	
38																			X	X	X	X	X	X	
40																				X	X	X	X	X	
42																					X	X	X	X	
44																						X	X	X	
46																							X	X	
48																								X	

Other sizes available upon request



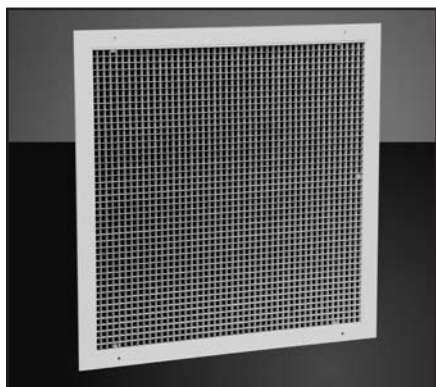
RE5 Grille

- All-aluminum construction
- Grid core $\frac{1}{2}$ " x $\frac{1}{2}$ " x $\frac{1}{2}$ "
- Square core design with extruded aluminum frame
- Bright White or Mill finish



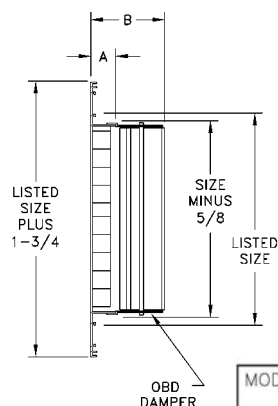
MODEL	GRID CORE DIMENSIONS	A
RE5	$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$	1-1/16
RE510	$\frac{1}{2}$ x $\frac{1}{2}$ x 1	1-9/16
RE1	1 x 1 x 1	1-9/16

		RE5 Available Sizes (in.)																					
HT		WIDTH																					
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24										X	X	X	X	X	X	X	X	X	X	X	X	X	X
26											X	X	X	X	X	X	X	X	X	X	X	X	X
28												X	X	X	X	X	X	X	X	X	X	X	X
30													X	X	X	X	X	X	X	X	X	X	X
32														X	X	X	X	X	X	X	X	X	X
34															X	X	X	X	X	X	X	X	X
36																X	X	X	X	X	X	X	X
38																	X	X	X	X	X	X	X
40																		X	X	X	X	X	X
42																			X	X	X	X	X
44																				X	X	X	X
46																					X	X	X
48																						X	X



RED5 Register

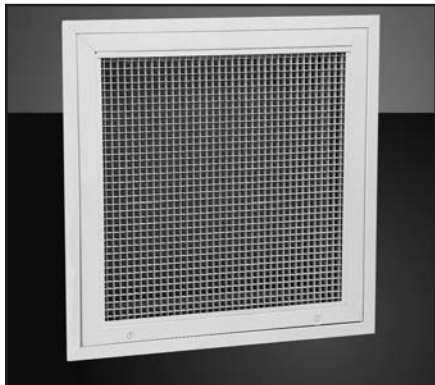
- All-aluminum construction
- Opposed-blade damper galvanized
- Square core design with extruded aluminum construction
- Bright White or Mill finish



MODEL	GRID CORE DIMENSIONS	A	B
RE5	$\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$	1-1/16	2-3/8
RE510	$\frac{1}{2}$ x $\frac{1}{2}$ x 1	1-9/16	2-7/8
RE1	1 x 1 x 1	1-9/16	2-7/8

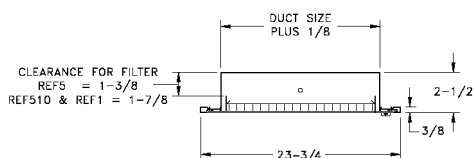
		RED5 Available Sizes (in.)																					
HT		WIDTH																					
		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28										X	X	X	X	X	X	X	X	X	X	X	X	X	X
30											X	X	X	X	X	X	X	X	X	X	X	X	X
32												X	X	X	X	X	X	X	X	X	X	X	X
34													X	X	X	X	X	X	X	X	X	X	X
36														X	X	X	X	X	X	X	X	X	X
38															X	X	X	X	X	X	X	X	X
40																X	X	X	X	X	X	X	X
42																	X	X	X	X	X	X	X
44																		X	X	X	X	X	X
46																			X	X	X	X	X
48																				X	X	X	X

Registers & Grilles - Aluminum



REF5 Filter Grille, Grid Core

- All-aluminum construction
- 1/2" x 1/2" x 1/2" square core design
- Accommodates standard 1" thick disposable filter (not included)
- Filter grilles equipped with knurled knob fasteners
- Bright White or Mill finish

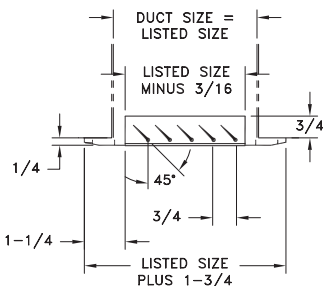


		REF5 Available Sizes (in.)																		
HT		WIDTH																		
		6	8	10	12	14	16	18	20	22	24	25	26	28	30	32	34	36		
4		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		
5		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		
6		X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		
8			X	X	X	X	X	X	X	X	X		X	X	X	X	X	X		
10				X	X	X	X	X	X	X	X		X	X	X	X	X	X		
12					X	X	X	X	X	X	X		X	X	X	X	X	X		
14						X	X	X	X	X	X		X	X	X	X	X	X		
16							X	X	X	X	X		X	X	X	X	X	X		
18								X	X	X	X		X	X	X	X	X	X		
20									X	X	X		X	X	X	X	X	X		
22										X	X		X	X	X	X	X	X		
24											X		X	X	X	X	X	X		
25									X			X								
26													X	X	X	X	X	X		
28														X	X	X	X	X		
30															X	X	X	X		
32																X	X	X		
34																	X	X		
36																		X		



RH45 Grille

- Extruded aluminum construction
- Horizontal bars at 45 degrees
- Face bars permanently fixed into heavy aluminum frames at a 45-degree angle
- Bright White or Satin Anodized finish



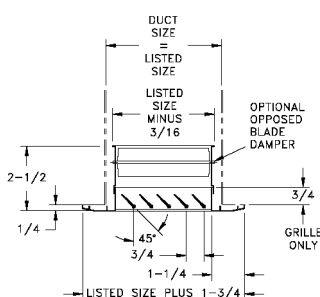
		RH45 Available Sizes (in.)																							
HT		WIDTH																							
		4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
4		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
5		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
6		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14							X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18									X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22											X	X	X	X	X	X	X	X	X	X	X	X	X	X	
24												X	X	X	X	X	X	X	X	X	X	X	X	X	
26													X	X	X	X	X	X	X	X	X	X	X	X	
28														X	X	X	X	X	X	X	X	X	X	X	
30															X	X	X	X	X	X	X	X	X	X	
32																X	X	X	X	X	X	X	X	X	
34																	X	X	X	X	X	X	X	X	
36																		X	X	X	X	X	X	X	
38																			X	X	X	X	X	X	
40																				X	X	X	X	X	
42																					X	X	X	X	
44																						X	X	X	
46																							X	X	
48																								X	

Other sizes available upon request



RHD45 Register

- Extruded aluminum construction
- Horizontal bars at 45 degrees
- Face bars permanently fixed into heavy aluminum frames at a 45-degree angle
- Opposed-blade damper
- Bright White or Satin Anodized finish

[illegible]

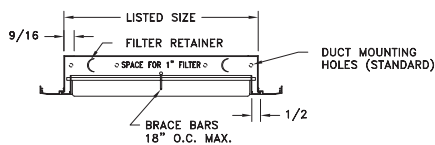
Other sizes available upon request



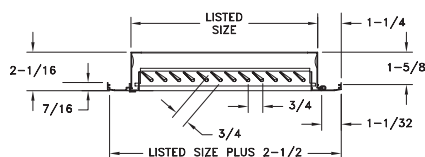
RHF45 Filter Grille

- Extruded aluminum construction
- Horizontal bars at 45 degrees
- Hinged on the bottom edge
- Accommodates standard 1" thick disposable filter (not included)
- RHF45 utilizes the RH45 extruded aluminum grille
- Filter grilles equipped with spring fasteners
- Bright White or Satin Anodized finish

Note: CFM capacity is equal to the filter capacity rating of two CFM per square inch of gross filter area.



RHF45 END VIEW



RHF45 SIDE VIEW

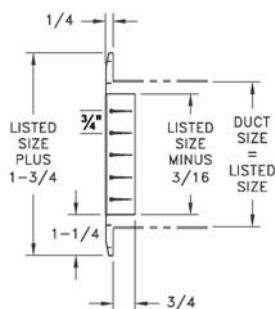
[illegible]

Other sizes available upon request



RH90 Grille

- Extruded aluminum construction
- Face bars permanently fixed into heavy aluminum frames at a 90-degree angle from face
- Bright White or Satin Anodized finish

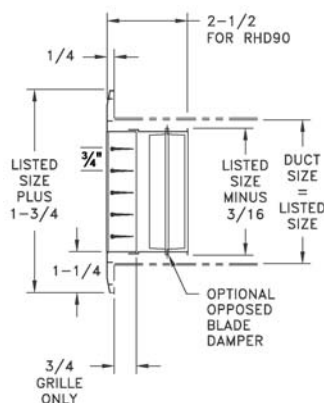
[illegible]

Other sizes available upon request



RHD90 Register

- Extruded aluminum construction
- Face bars permanently fixed into heavy aluminum frames at a 90-degree angle from face
- Opposed-blade damper
- Bright White or Satin Anodized finish

[illegible]



TG Transfer Grille

- Extruded aluminum construction
- Vision proof
- Inverted "Y" type grille bar for best vision proof quality and airflow
- Excellent for installation in doors or partitions
- Bright White or Satin Anodized finish

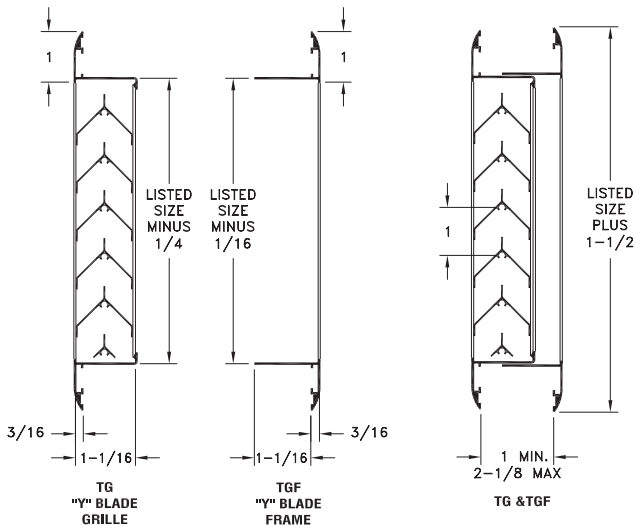


TGF Transfer Grille Frame

- Extruded aluminum construction

Note: When framing both sides of the door or partition opening, use the TGF frame with the TG Grille. Adjustable from 1" to 2 1/8" door thickness.

TG/TGF Transfer Grille with Transfer Grille Frame



TG/TGF Available Sizes (in.)																	
HT	WIDTH																
	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
8		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10			X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12				X	X	X	X	X	X	X	X	X	X	X	X	X	
14					X	X	X	X	X	X	X	X	X	X	X	X	
16						X	X	X	X	X	X	X	X	X	X	X	
18							X	X	X	X	X	X	X	X	X	X	
20								X	X	X	X	X	X	X	X	X	
22									X	X	X	X	X	X	X	X	
24										X	X	X	X	X	X	X	
26											X	X	X	X	X	X	
28												X	X	X	X	X	
30													X	X	X	X	
32														X	X	X	
34															X	X	
36																X	

Other sizes available upon request