



**Hart & Cooley®**  
*install confidence*

# Light Commercial Grilles, Registers & Diffusers

Edition 5

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## LIGHT COMMERCIAL

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# Registers & Grilles - Steel

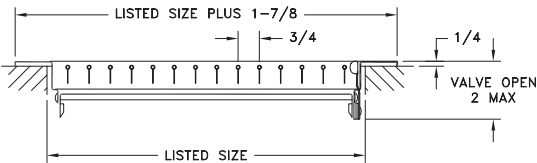


- 821**
- All-steel construction
  - Vertical adjustable face bars
  - Horizontal multi-shutter valve
  - Bright White finish

Note: Screw hole location details on page 117

| 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.

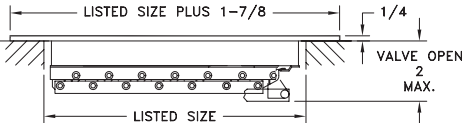


- 831**
- All-steel construction
  - Horizontal adjustable face bars
  - Vertical valve
  - Adjustable multi-shutter valve
  - Bright White finish
  - 3/4" fin spacing

Note: Screw hole location details on page 117

| 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.

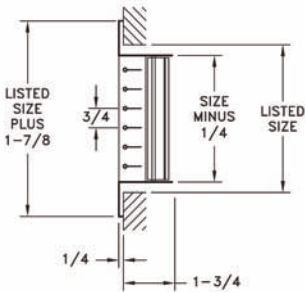




**92HVO Grille**

- 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  |

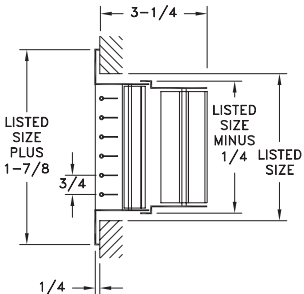
Contact factory for sizes not listed.



**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  |

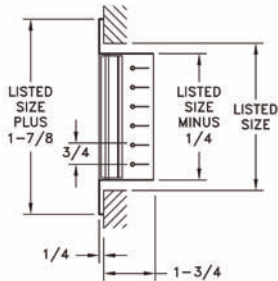
Contact factory for sizes not listed.

## Registers &amp; 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



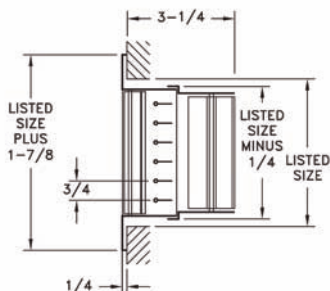
| 92VHO Available Sizes (in.) |       |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----------------------------|-------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| HT                          | WIDTH |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|                             | 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  |

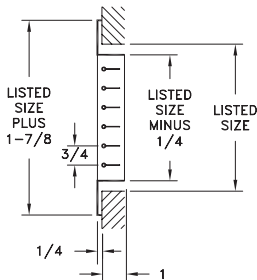
Contact factory for sizes not listed.



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  |

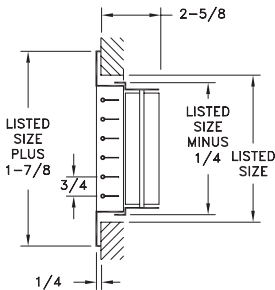
Contact factory for sizes not listed.



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  |

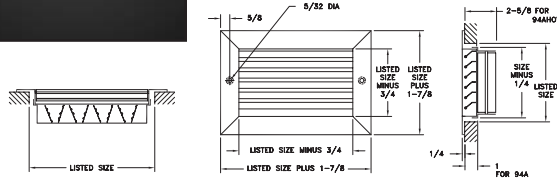
Contact factory for sizes not listed.

# 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  | 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  |  |
| 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  |  |

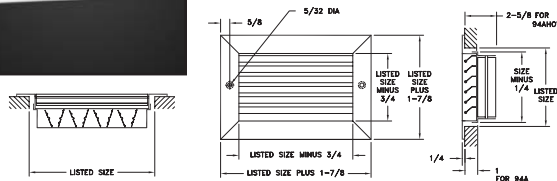
Contact factory for sizes not listed.

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  | 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  |  |
| 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



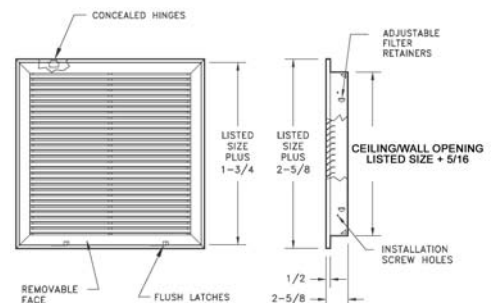
## 96AFB Fixed-Bar Filter Grille

- 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

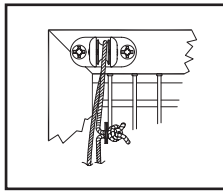


## 98VOH Ventilation Grille

- 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  | 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 |
| 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 | X |
| 36 |   |                             |    |    |    |    |    |    |    |    |    |    |    | X  | X  | X | X |

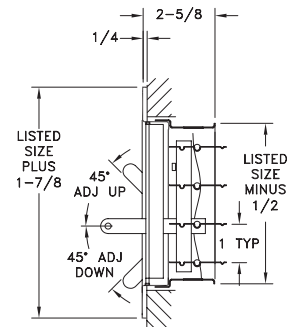
Note: Screw hole location details on page 117



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

## 98VOHP Ventilation Grille

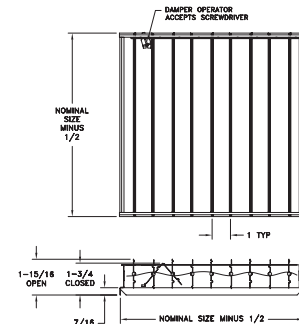
- Pulley field-mounted only
- Pulley assembly must be ordered separately
- Pulley operation allows air deflection adjustments from floor
- Two pulley assemble kits required for grilles over 24" wide



## 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 |  |

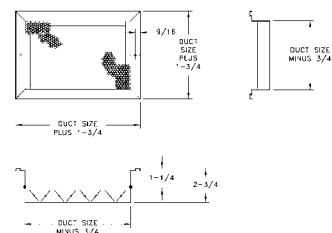


## PFG Perforated Face Grille

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

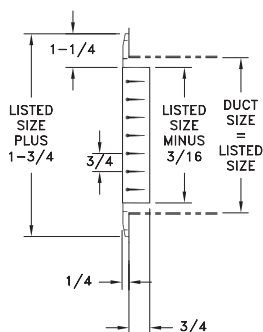
| PFG Available Sizes (in.)    |  |
|------------------------------|--|
| Minimum: 6" x 4"             |  |
| Maximum: 48" x 48" One Piece |  |

Note: Screw hole location details on page 117





**Note: Screw hole location details on page 117**



## HX Grille

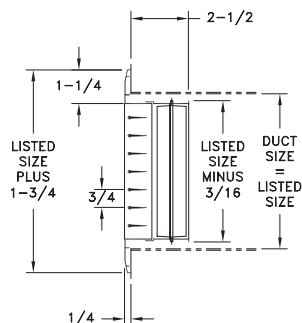
- Extruded aluminum construction
- Horizontal front bars
- Single row of individually adjustable horizontal face bars
- Pivoted bars for easy positive setting
- Bright White or Satin Anodized finish

[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]

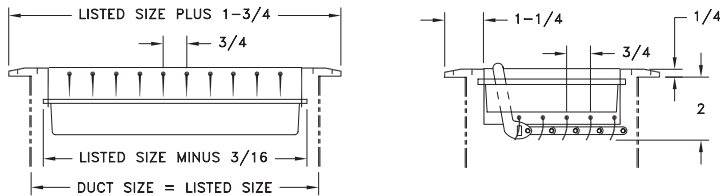
Other sizes available upon request



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               |

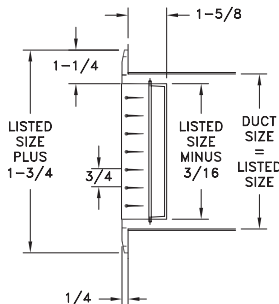
Other sizes available upon request



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 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                     |
| 6                        | 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 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 X                     |
| 16                       | X X 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 X X X                     |
| 20                       | X X X X 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 X X X X X                     |
| 24                       | X X X X X 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 X X X X X                     |
| 28                       | X X X X X 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 X X X X X                     |
| 32                       | X X X X X 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 X X X X X                     |
| 36                       | X X X X X X X X X X X X X X X X X X X X X X                     |
| 38                       | X X X X X X X X X X X X X X X X X X X X X X                     |
| 40                       | X X X X X X X X X X X X X X X X X X X X X X                     |
| 42                       | X X X X X X X X X X X X X X X X X X X X X X                     |
| 44                       | X X X X X X X X X X X X X X X X X X X X X X                     |
| 46                       | X X X X X X X X X X X X X X X X X X X X X X                     |
| 48                       | X X X X X X X X X X X X X X X X X X X X X X                     |

Other sizes available upon request

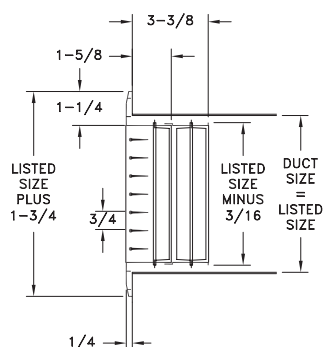
# Registers & Grilles - Aluminum



## 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  | X  |  |  |
| 48 |   |                           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  | X  |  |  |

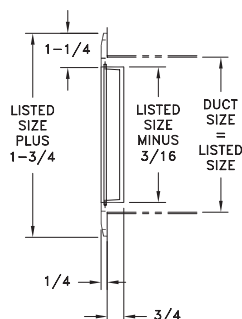
Other sizes available upon request



## 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  | 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  | 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  | 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  | 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  |  |

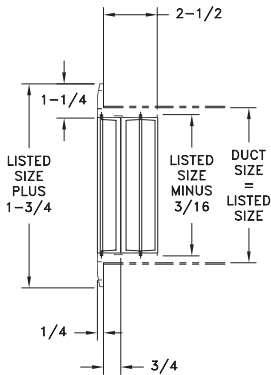
Other sizes available upon request



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 |  |  |

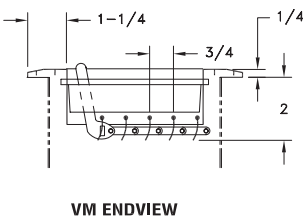
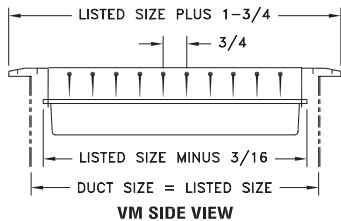
Other sizes available upon request



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

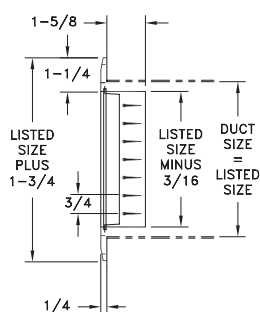
# Registers & Grilles - Aluminum



## 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



|    |       | VH 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  |  |  |  |
| 5  | 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  |  |  |  |
| 8  |       | 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  |  |  |  |
| 12 |       |                          |    | 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  |  |  |  |
| 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  |  |  |  |
| 20 |       |                          |    |    |    |    |    | 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  |  |  |  |
| 24 |       |                          |    |    |    |    |    |    |    | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |  |  |  |
| 26 |       |                          |    |    |    |    |    |    |    |    | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  | X  |  |  |  |
| 28 |       |                          |    |    |    |    |    |    |    |    |    | X  |    | X  | X  | X  | X  | X  | X  | X  | X  | X  |  |  |  |
| 30 |       |                          |    |    |    |    |    |    |    |    |    |    | X  |    | X  | X  | X  | X  | X  | X  | X  | X  |  |  |  |
| 32 |       |                          |    |    |    |    |    |    |    |    |    |    |    | X  |    | X  | X  | X  | X  | X  | X  | X  |  |  |  |
| 34 |       |                          |    |    |    |    |    |    |    |    |    |    |    |    | X  |    | X  | X  | X  | X  | X  | X  |  |  |  |
| 36 |       |                          |    |    |    |    |    |    |    |    |    |    |    |    |    | X  |    | X  | X  | X  | X  | X  |  |  |  |
| 38 |       |                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  |    | X  | X  | X  | X  |  |  |  |
| 40 |       |                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  |    | X  | X  | X  |  |  |  |
| 42 |       |                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  |    | X  | X  |  |  |  |
| 44 |       |                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  |    | X  |  |  |  |
| 46 |       |                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  |    |  |  |  |
| 48 |       |                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X  |  |  |  |

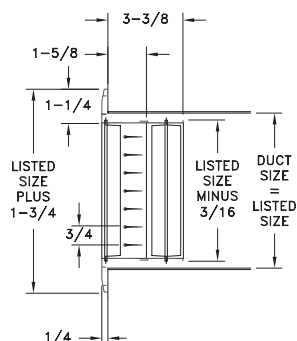
Other sizes available upon request



## 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



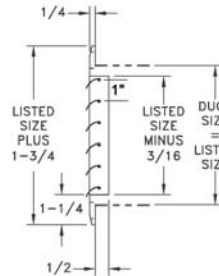
|    |       | VHD Available Sizes (in.) |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |  |
|----|-------|---------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|
| 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  |  |  |  |
| 5  | 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  |  |  |  |
| 8  |       | 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



## 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

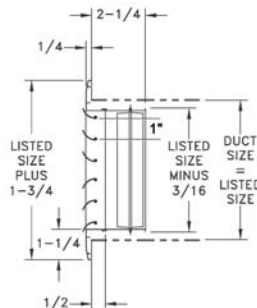
|    |   | CH1 Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|----|---|---------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| HT |   | WIDTH                     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|    |   | 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

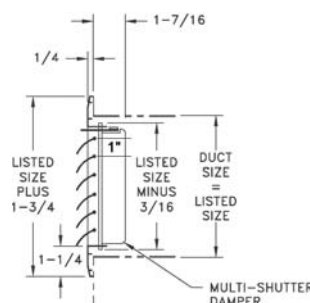
|    |   | CHD1 Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|----|---|----------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
| HT |   | WIDTH                      |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|    |   | 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  | 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



## 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  | 8  | 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  |  |

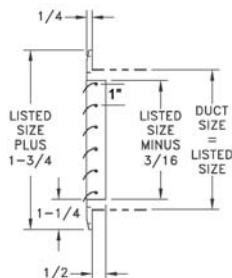
Other sizes available upon request

# 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

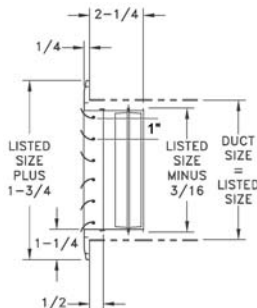
|    |  | CH2 Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|----|--|---------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
|    |  | WIDTH                     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 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  |  |  |
| 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



## 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

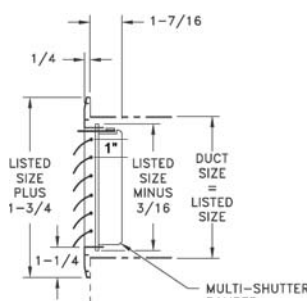
|    |   | CHD2 Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|----|---|----------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
|    |   | WIDTH                      |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
| 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  | 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



## 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.) |   |       |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |
|----------------------------|---|-------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|
|                            |   | 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  | X |  |
| 8                          | 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 |  |
| 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 |  |
| 36                         |   |       |   |    |    |    |    |    |    |    |    |    |    |    |    |    | X  | X |  |

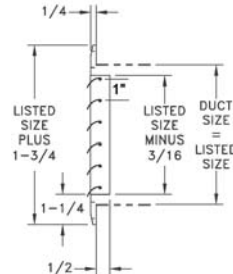
Other sizes available upon request



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  |  |  |

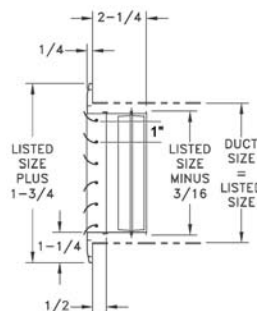
Other sizes available upon request



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  |  |

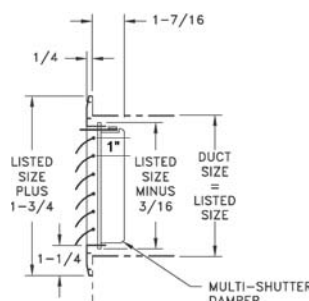
Other sizes available upon request



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  |  |  |
| 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  |  |  |

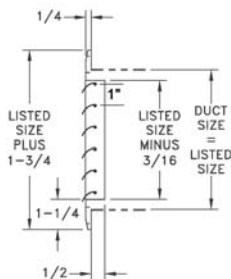
Other sizes available upon request

# 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

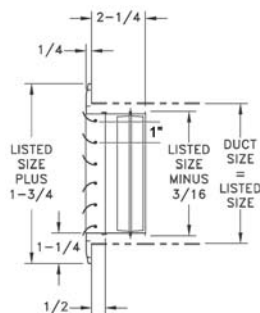
|    |   | C4 Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|----|---|--------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| HT |   | WIDTH                    |   |    |    |   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

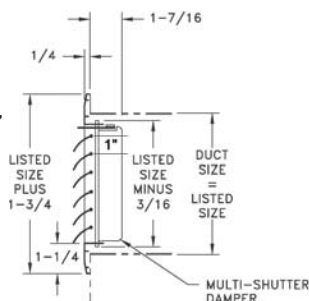
|    |   | CD4 Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|----|---|---------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| HT |   | WIDTH                     |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|    |   | 6                         | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 |  |  |
| 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



## 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  | X  |  |
| 8  |   | 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  |  |
| 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  |  |

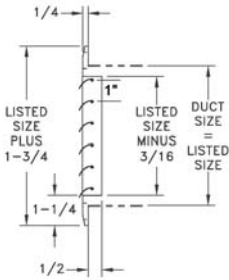
Other sizes available upon request



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  |  |

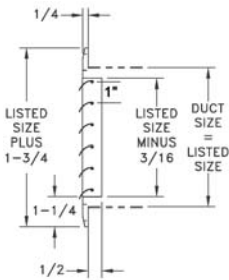
Other sizes available upon request



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

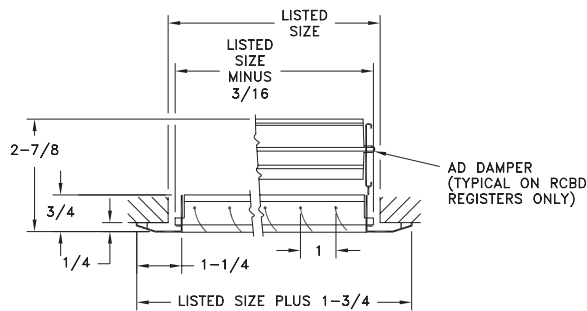
# Registers & Grilles - Aluminum



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 |  |  |

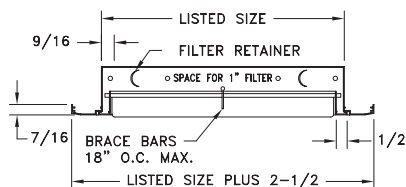
Other sizes available upon request



Blades at 40° angle

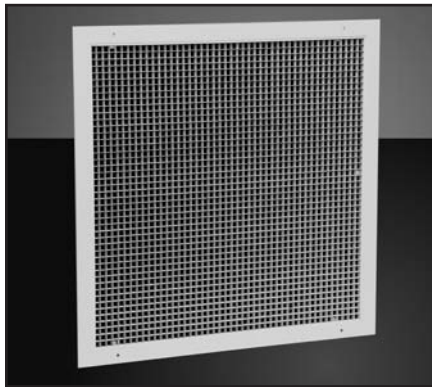
## RCBF Filter Grille

- 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



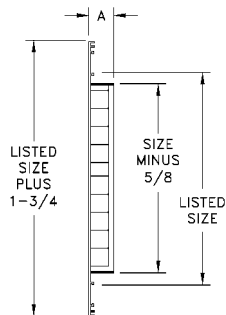
|    |   | RCBF Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |
|----|---|----------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|
|    |   | 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



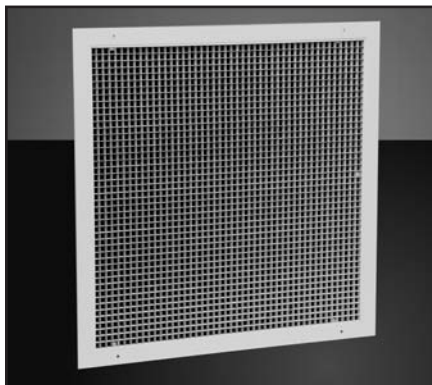
## RE5 Grille

- 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



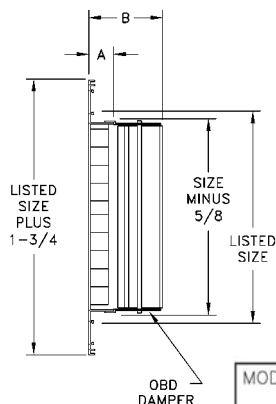
| MODEL | GRID CORE DIMENSIONS                          | A      |
|-------|-----------------------------------------------|--------|
| RE5   | $\frac{1}{2}$ x $\frac{1}{2}$ x $\frac{1}{2}$ | 1-1/16 |
| RE510 | $\frac{1}{2}$ x $\frac{1}{2}$ x 1             | 1-9/16 |
| RE1   | 1 x 1 x 1             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

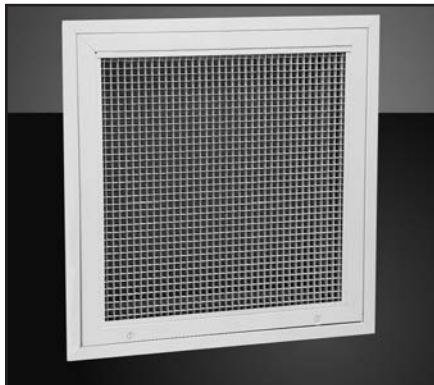
- All-aluminum construction
- Opposed-blade damper galvanized
- Square core design with extruded aluminum construction
- Bright White or Mill finish



| 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 |

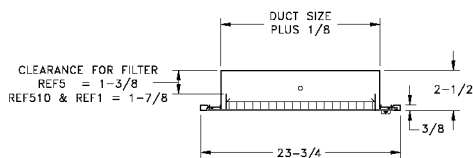
|    |   | RED5 Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|---|----------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| HT |   | WIDTH                      |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|    |   | 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  |
| 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  |

# 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

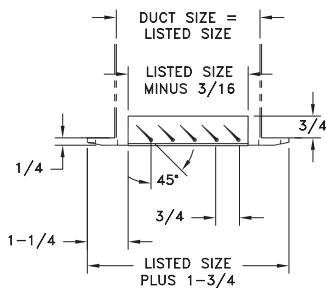


| REF5 Available Sizes (in.) |       |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|----------------------------|-------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| HT                         | WIDTH |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|                            | 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



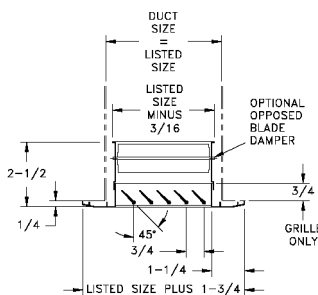
|    |       | RH45 Available Sizes (in.) |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |  |  |
|----|-------|----------------------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|
| 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



|    |  | RHD45 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  |  |  |
| 5  |  | 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  |  |  |
| 8  |  |                             | 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  |  |  |

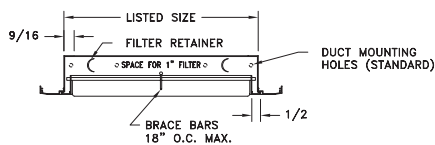
Other sizes available upon request



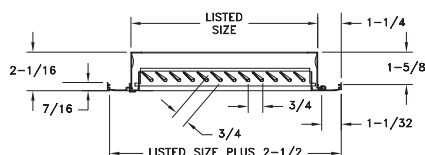
## RHF45 Filter Grille

- 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

|    |   | RHF45 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 |  |  |
| 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  |  |  |
| 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  |  |  |
| 25 |   |                             |   |    |    |    |    |    | 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  |  |  |

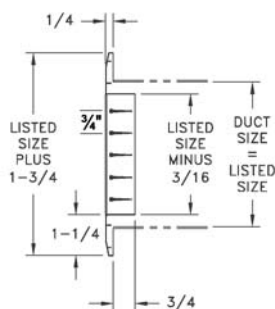
Other sizes available upon request

# Registers & Grilles - Aluminum



## 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



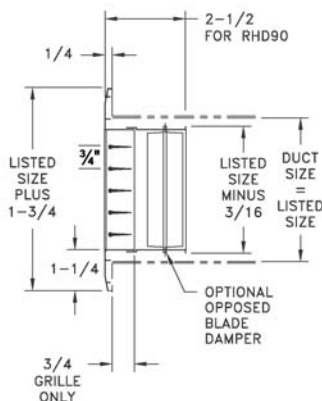
| RH90 Available Sizes (in.) |       |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |
|----------------------------|-------|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|--|
| 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  | 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  | 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  | 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  | 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



## 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



|    |  | RHD90 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  |  |  |
| 5  |  | 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  |  |  |
| 8  |  |                             | 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  |  |  |



**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

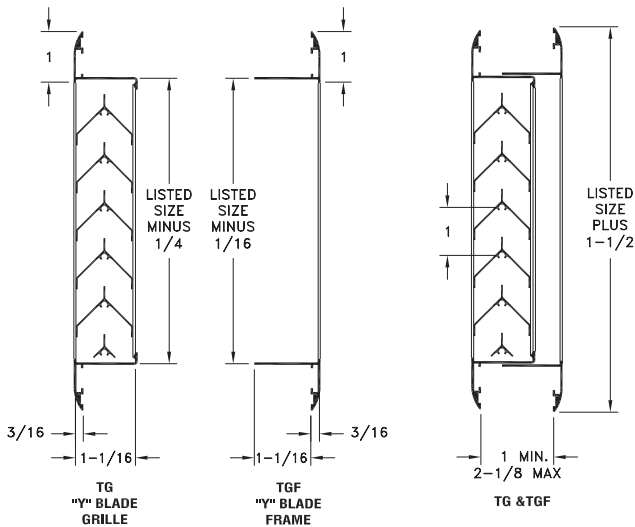


**TGF Transfer Grille Frame**

- 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  | 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