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Product Catalog 2009

All Prices are list. Your cost



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Conversion Chart: Rectangular to Equivalent Round

Air Equipment, LLC.

| b \ a | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3 | 3.8 | 4.6 | 5.2 | 5.7 | 6.2 | 6.6 | 7.0 | 7.3 | 7.7 | 8.0 | 8.3 | 8.5 | 8.8 | 9.0 | 9.3 | 9.5 | 9.7 | 9.9 | 10.1 |
| 4 | 4.4 | 5.3 | 6.1 | 6.7 | 7.3 | 7.8 | 8.3 | 8.7 | 9.1 | 9.5 | 9.8 | 10.1 | 10.4 | 10.7 | 11.0 | 11.3 | 11.5 | 11.8 | 12.0 |
| 5 | 4.9 | 6.0 | 6.9 | 7.6 | 8.3 | 8.9 | 9.4 | 9.9 | 10.3 | 10.8 | 11.2 | 11.5 | 11.9 | 12.2 | 12.6 | 12.9 | 13.2 | 13.5 | 13.8 |
| 6 | 5.3 | 6.6 | 7.6 | 8.4 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.2 | 13.6 | 14.0 | 14.4 | 14.7 | 15.0 | 15.3 |
| 7 | 5.7 | 7.1 | 8.2 | 9.1 | 9.9 | 10.7 | 11.3 | 11.9 | 12.5 | 13.1 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 |
| 8 | 6.1 | 7.6 | 8.7 | 9.8 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 |
| 9 | 6.4 | 8.0 | 9.3 | 10.4 | 11.3 | 12.2 | 13.0 | 13.7 | 14.4 | 15.0 | 15.6 | 16.2 | 16.7 | 17.2 | 17.7 | 18.2 | 18.6 | 19.0 | 19.5 |
| 10 | 6.7 | 8.4 | 9.8 | 10.9 | 12.0 | 12.9 | 13.7 | 14.5 | 15.2 | 15.9 | 16.5 | 17.1 | 17.7 | 18.3 | 18.8 | 19.3 | 19.8 | 20.2 | 20.7 |
| 11 | 7.0 | 8.8 | 10.2 | 11.5 | 12.6 | 13.5 | 14.4 | 15.3 | 16.0 | 16.8 | 17.4 | 18.1 | 18.7 | 19.3 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 |
| 12 | 7.3 | 9.1 | 10.7 | 12.0 | 13.1 | 14.2 | 15.1 | 16.0 | 16.8 | 17.6 | 18.3 | 19.0 | 19.6 | 20.2 | 20.8 | 21.4 | 21.9 | 22.4 | 22.9 |
| 13 | 7.6 | 9.5 | 11.1 | 12.4 | 13.7 | 14.7 | 15.7 | 16.7 | 17.5 | 18.3 | 19.1 | 19.8 | 20.5 | 21.1 | 21.8 | 22.4 | 22.9 | 23.5 | 24.0 |
| 14 | 7.8 | 9.8 | 11.5 | 12.9 | 14.2 | 15.3 | 16.4 | 17.3 | 18.2 | 19.1 | 19.9 | 20.6 | 21.3 | 22.0 | 22.7 | 23.3 | 23.9 | 24.5 | 25.0 |
| 15 | 8.1 | 10.1 | 11.8 | 13.3 | 14.6 | 15.8 | 16.9 | 17.9 | 18.9 | 19.8 | 20.6 | 21.4 | 22.1 | 22.9 | 23.5 | 24.2 | 24.8 | 25.4 | 26.0 |
| 16 | 8.3 | 10.4 | 12.2 | 13.7 | 15.1 | 16.4 | 17.5 | 18.5 | 19.5 | 20.4 | 21.3 | 22.1 | 22.9 | 23.7 | 24.4 | 25.1 | 25.7 | 26.4 | 27.0 |
| 17 | 8.5 | 10.7 | 12.5 | 14.1 | 15.6 | 16.8 | 18.0 | 19.1 | 20.1 | 21.1 | 22.0 | 22.9 | 23.7 | 24.4 | 25.2 | 25.9 | 26.6 | 27.2 | 27.9 |
| 18 | 8.7 | 11.0 | 12.9 | 14.5 | 16.0 | 17.3 | 18.5 | 19.7 | 20.7 | 21.7 | 22.7 | 23.5 | 24.4 | 25.2 | 26.0 | 26.7 | 27.4 | 28.1 | 28.8 |
| 19 | 8.9 | 11.2 | 13.2 | 14.9 | 16.4 | 17.8 | 19.0 | 20.2 | 21.3 | 22.3 | 23.3 | 24.2 | 25.1 | 25.9 | 26.7 | 27.5 | 28.2 | 28.9 | 29.6 |
| 20 | 9.1 | 11.5 | 13.5 | 15.2 | 16.8 | 18.2 | 19.5 | 20.7 | 21.9 | 22.9 | 23.9 | 24.9 | 25.8 | 26.6 | 27.5 | 28.3 | 29.0 | 29.8 | 30.5 |
| 22 | 9.5 | 12.0 | 14.1 | 15.9 | 17.6 | 19.1 | 20.4 | 21.7 | 22.9 | 24.1 | 25.1 | 26.1 | 27.1 | 28.0 | 28.9 | 29.7 | 30.5 | 31.3 | 32.1 |
| 24 | 9.8 | 12.4 | 14.6 | 16.5 | 18.3 | 19.9 | 21.3 | 22.7 | 23.9 | 25.1 | 26.2 | 27.3 | 28.3 | 29.3 | 30.2 | 31.1 | 32.0 | 32.8 | 33.6 |
| 26 | 10.1 | 12.8 | 15.1 | 17.1 | 19.0 | 20.6 | 22.1 | 23.5 | 24.9 | 26.1 | 27.3 | 28.4 | 29.5 | 30.5 | 31.5 | 32.4 | 33.3 | 34.2 | 35.1 |
| 28 | 10.4 | 13.2 | 15.6 | 17.7 | 19.6 | 21.3 | 22.9 | 24.4 | 25.8 | 27.1 | 28.3 | 29.5 | 30.6 | 31.7 | 32.7 | 33.7 | 34.6 | 35.6 | 36.4 |
| 30 | 10.7 | 13.6 | 16.1 | 18.3 | 20.2 | 22.0 | 23.7 | 25.2 | 26.6 | 28.0 | 29.3 | 30.5 | 31.7 | 32.8 | 33.9 | 34.9 | 35.9 | 36.8 | 37.8 |
| 32 | 11.0 | 14.0 | 16.5 | 18.8 | 20.8 | 22.7 | 24.4 | 26.0 | 27.5 | 28.9 | 30.2 | 31.5 | 32.7 | 33.9 | 35.0 | 36.1 | 37.1 | 38.1 | 39.1 |
| 34 | 11.3 | 14.4 | 17.0 | 19.3 | 21.4 | 23.3 | 25.1 | 26.7 | 28.3 | 29.7 | 31.1 | 32.4 | 33.7 | 34.9 | 36.1 | 37.2 | 38.2 | 39.3 | 40.3 |
| 36 | 11.5 | 14.7 | 17.4 | 19.8 | 21.9 | 23.9 | 25.7 | 27.4 | 29.0 | 30.5 | 32.0 | 33.3 | 34.6 | 35.9 | 37.1 | 38.2 | 39.4 | 40.4 | 41.5 |
| 38 | 11.8 | 15.0 | 17.8 | 20.2 | 22.4 | 24.5 | 26.4 | 28.1 | 29.8 | 31.3 | 32.8 | 34.2 | 35.6 | 36.8 | 38.1 | 39.3 | 40.4 | 41.5 | 42.6 |
| 40 | 12.0 | 15.3 | 18.2 | 20.7 | 22.9 | 25.0 | 27.0 | 28.8 | 30.5 | 32.1 | 33.6 | 35.1 | 36.4 | 37.8 | 39.1 | 40.3 | 41.5 | 42.6 | 43.7 |
| 42 | 12.3 | 15.6 | 18.5 | 21.1 | 23.4 | 25.6 | 27.6 | 29.4 | 31.2 | 32.8 | 34.4 | 35.9 | 37.3 | 38.7 | 40.0 | 41.3 | 42.5 | 43.7 | 44.8 |
| 44 | 12.5 | 15.9 | 18.9 | 21.5 | 23.9 | 26.1 | 28.1 | 30.0 | 31.8 | 33.5 | 35.1 | 36.7 | 38.1 | 39.5 | 40.9 | 42.2 | 43.5 | 44.7 | 45.8 |
| 46 | 12.7 | 16.2 | 19.3 | 21.9 | 24.4 | 26.6 | 28.7 | 30.6 | 32.5 | 34.2 | 35.9 | 37.4 | 38.9 | 40.4 | 41.8 | 43.1 | 44.4 | 45.7 | 46.9 |

$$D_e = 1.30(ab)^{0.625} / (a+b)^{0.625}$$

a=length of one side of rectangular duct

b=length of adjacent side of rectangular duct

D_e=circular equivalent of rectangular duct for equal friction and capacity

Example: convert rectangular duct 22 x 12 to equivalent round.

a=22, b=12: from above table

D_e=17.6, use 18"ø



Spiral Duct
10' Lengths

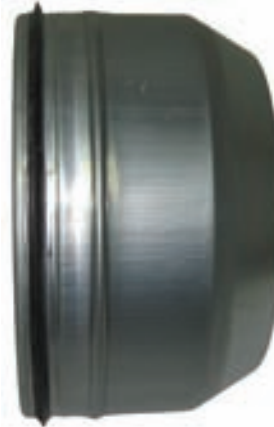


5 FT & 10 FT Lengths Stocked

Custom Lengths available - up to 20 ft. - Contact your Salesman

| DIA | LIST / FT |
|-----|-----------|
| 3 | 2.00 |
| 4 | 2.00 |
| 5 | 3.00 |
| 6 | 3.00 |
| 7 | 4.00 |
| 8 | 4.00 |
| 9 | 5.00 |
| 10 | 6.00 |
| 12 | 7.00 |
| 14 | 8.00 |
| 16 | 12.00 |
| 18 | 14.00 |
| 20 | 15.00 |
| 22 | 16.00 |
| 24 | 18.00 |
| 26 | 20.00 |
| 28 | 26.00 |
| 30 | 28.00 |
| 32 | 29.00 |
| 34 | 31.00 |
| 36 | 33.00 |

End Caps
Pipe End Cap EC



12" and under



14" and over

| DIA | LIST |
|-----|--------|
| 3 | 22.00 |
| 4 | 16.00 |
| 5 | 16.00 |
| 6 | 18.00 |
| 7 | 20.00 |
| 8 | 20.00 |
| 9 | 25.00 |
| 10 | 26.00 |
| 12 | 29.00 |
| 14 | 38.00 |
| 16 | 43.00 |
| 18 | 53.00 |
| 20 | 60.60 |
| 22 | 63.00 |
| 24 | 68.00 |
| 26 | 77.00 |
| 28 | 89.00 |
| 30 | 97.00 |
| 32 | 116.00 |
| 34 | 126.00 |
| 36 | 135.00 |



Spiral Duct And Fittings

Pipe Couplings

Male Couplings PCP



| DIA | LIST |
|-----|-------|
| 3 | 7.00 |
| 4 | 8.00 |
| 5 | 8.00 |
| 6 | 10.00 |
| 7 | 10.00 |
| 8 | 11.00 |
| 9 | 12.00 |
| 10 | 13.00 |
| 12 | 14.00 |
| 14 | 15.00 |
| 16 | 17.00 |
| 18 | 24.00 |
| 20 | 27.00 |
| 22 | 29.00 |
| 24 | 31.00 |
| 26 | 30.00 |
| 28 | 33.00 |
| 30 | 35.00 |
| 32 | 37.00 |
| 34 | 38.00 |
| 36 | 40.00 |

Fitting Couplings

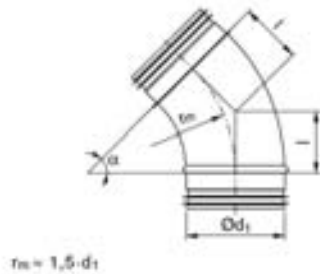
Female Coupling FCP



| DIA | LIST |
|-----|-------|
| 3 | 2.00 |
| 4 | 3.00 |
| 5 | 3.00 |
| 6 | 3.00 |
| 7 | 3.00 |
| 8 | 4.00 |
| 9 | 4.00 |
| 10 | 4.00 |
| 12 | 5.00 |
| 14 | 6.00 |
| 16 | 7.00 |
| 18 | 8.00 |
| 20 | 10.00 |
| 22 | 10.00 |
| 24 | 11.00 |
| 26 | 13.00 |
| 28 | 14.00 |
| 30 | 15.00 |
| 32 | 16.00 |
| 34 | 17.00 |
| 36 | 18.00 |

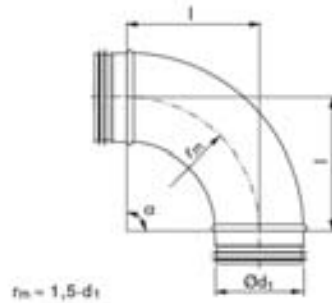
Spiral Duct And Fittings

Elbow - 45°
Long Radius 1.5
Pressed PE45L



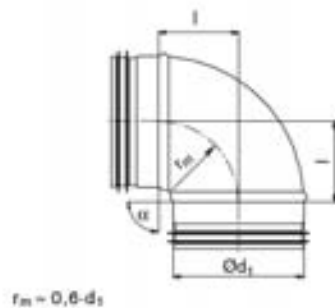
| DIA | LIST |
|-----|-------|
| 3 | 19.00 |
| 4 | 21.00 |
| 5 | 22.00 |
| 6 | 26.00 |
| 7 | 28.00 |
| 8 | 31.00 |
| 9 | 40.00 |
| 10 | 42.00 |
| 12 | 50.00 |

Elbow - 90°
Long Radius 1.5
Pressed PE90L



| DIA | LIST |
|-----|-------|
| 3 | 22.00 |
| 4 | 24.00 |
| 5 | 27.00 |
| 6 | 32.00 |
| 7 | 38.00 |
| 8 | 44.00 |
| 9 | 51.00 |
| 10 | 61.00 |
| 12 | 76.00 |

Elbow - 90°
Short Radius 1.0
Pressed PE90S

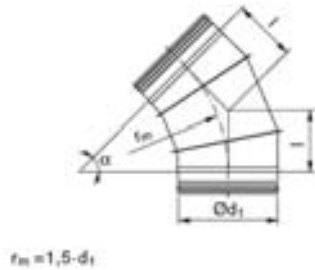


| DIA | LIST |
|-----|-------|
| 8 | 43.00 |
| 9 | 55.00 |
| 10 | 61.00 |
| 12 | 65.00 |

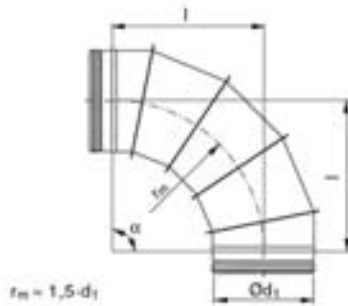


Spiral Duct And Fittings

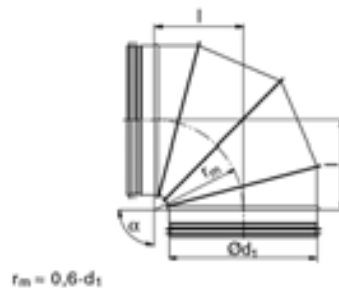
Elbow - 45°
Long Radius 1.5
Gored E45L



Elbow - 90°
Long Radius 1.5
Gored E90L



Elbow - 90°
Short Radius 1.0
Gored E90S



| DIA | LIST |
|-----|--------|
| 14 | 64.00 |
| 16 | 78.00 |
| 18 | 97.00 |
| 20 | 115.00 |
| 22 | 130.00 |
| 24 | 152.00 |
| 26 | 169.00 |
| 28 | 201.00 |
| 30 | 225.00 |
| 32 | 272.00 |
| 34 | 300.00 |
| 36 | 327.00 |

| DIA | LIST |
|-----|--------|
| 14 | 106.00 |
| 16 | 132.00 |
| 18 | 168.00 |
| 20 | 200.00 |
| 22 | 228.00 |
| 24 | 268.00 |

| DIA | LIST |
|-----|--------|
| 14 | 96.00 |
| 16 | 120.00 |
| 18 | 145.00 |
| 20 | 176.00 |
| 22 | 200.00 |
| 24 | 215.00 |
| 26 | 230.00 |
| 28 | 275.00 |
| 30 | 308.00 |
| 32 | 376.00 |
| 34 | 414.00 |
| 36 | 495.00 |

Spiral Duct And Fittings

Dampers *Gasketed DMP*



| DIA | LIST |
|-----|--------|
| 3 | 33.00 |
| 4 | 34.00 |
| 5 | 37.00 |
| 6 | 43.00 |
| 7 | 44.00 |
| 8 | 46.00 |
| 9 | 49.00 |
| 10 | 54.00 |
| 12 | 63.00 |
| 14 | 76.00 |
| 16 | 91.00 |
| 18 | 96.00 |
| 20 | 107.00 |
| 22 | 116.00 |
| 24 | 132.00 |
| 26 | 456.00 |
| 28 | 524.00 |
| 30 | 612.00 |

Tees *T90*



| DIA | LIST |
|-----|--------|
| 3 | 41.00 |
| 4 | 40.00 |
| 5 | 49.00 |
| 6 | 50.00 |
| 7 | 58.00 |
| 8 | 60.00 |
| 9 | 68.00 |
| 10 | 70.00 |
| 12 | 80.00 |
| 14 | 94.00 |
| 16 | 124.00 |
| 18 | 136.00 |
| 20 | 165.00 |
| 22 | 180.00 |
| 24 | 196.00 |



Spiral Duct And Fittings

Squared Tap

*Fabricated SFT
Square*



Lateral Tap

Stamped LT



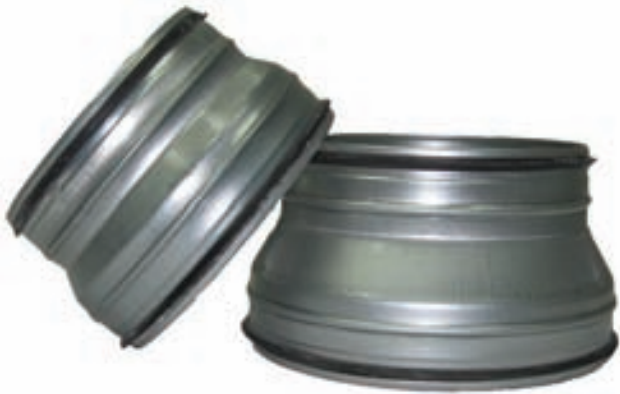
| SIZE | LIST |
|----------|--------|
| 14 on 26 | 120.00 |
| 18 on 26 | 170.00 |
| 22 on 26 | 251.00 |
| 18 on 28 | 184.00 |
| 20 on 28 | 207.00 |
| 24 on 28 | 218.00 |
| 20 on 30 | 211.00 |
| 24 on 30 | 271.00 |
| 26 on 30 | 271.00 |

| SIZE | LIST |
|----------|-------|
| 4 on 6 | 25.00 |
| 4 on 8 | 25.00 |
| 6 on 6 | 30.00 |
| 6 on 8 | 30.00 |
| 6 on 10 | 30.00 |
| 8 on 10 | 33.00 |
| 8 on 12 | 33.00 |
| 10 on 12 | 37.00 |
| 10 on 14 | 37.00 |
| 12 on 14 | 40.00 |
| 12 on 16 | 40.00 |
| 14 on 16 | 44.00 |
| 14 on 18 | 44.00 |
| 16 on 18 | 52.00 |
| 16 on 20 | 52.00 |
| 18 on 20 | 65.00 |
| 18 on 22 | 65.00 |
| 20 on 22 | 71.00 |
| 20 on 24 | 71.00 |

Spiral Duct And Fittings

Reducers

*Pressed RDS**



| SIZE | LIST | SIZE | LIST |
|--------|-------|-------|--------|
| 4/3* | 25.00 | 14/10 | 57.00 |
| 5/4* | 25.00 | 14/12 | 57.00 |
| 6/4* | 28.00 | 16/8 | 68.00 |
| 6/5* | 28.00 | 16/10 | 66.00 |
| 7/6* | 31.00 | 16/12 | 66.00 |
| 8/4* | 46.00 | 16/14 | 69.00 |
| 8/5* | 32.00 | 18/10 | 89.00 |
| 8/6* | 32.00 | 18/12 | 79.00 |
| 8/7* | 32.00 | 18/14 | 79.00 |
| 9/6* | 39.00 | 18/16 | 81.00 |
| 9/7* | 39.00 | 20/14 | 88.00 |
| 9/8* | 39.00 | 20/16 | 87.00 |
| 10/6* | 41.00 | 20/18 | 89.00 |
| 10/7* | 41.00 | 22/14 | 96.00 |
| 10/8* | 41.00 | 22/16 | 95.00 |
| 10/9* | 41.00 | 22/18 | 94.00 |
| 12/6* | 60.00 | 22/20 | 98.00 |
| 12/8* | 45.00 | 24/16 | 104.00 |
| 12/9* | 63.00 | 24/18 | 102.00 |
| 12/10* | 45.00 | 24/20 | 102.00 |
| 14/8* | 57.00 | 24/22 | 105.00 |

Reducers

Fabbed RDL



| SIZE | LIST |
|-------|--------|
| 26/20 | 112.00 |
| 26/22 | 108.00 |
| 26/24 | 110.00 |
| 28/22 | 124.00 |
| 28/24 | 122.00 |
| 28/26 | 124.00 |
| 30/24 | 133.00 |
| 30/26 | 131.00 |
| 30/28 | 133.00 |
| 32/30 | 166.00 |
| 34/32 | 176.00 |
| 36/32 | 186.00 |



Spiral Duct And Fittings

Saddle Taps

Stamped Field Tap ST
12" and under

| SIZE | LIST |
|------------|-------|
| 4 on 4 | 16.00 |
| 4 on 6 | 16.00 |
| 4 on 7/8 | 16.00 |
| 6 on 6 | 19.00 |
| 6 on 7/8 | 19.00 |
| 6 on 9/10 | 19.00 |
| 6 on 12/14 | 19.00 |
| 6 on 16/18 | 19.00 |
| 6 on 20/24 | 19.00 |
| 8 on 8 | 22.00 |
| 8 on 9/10 | 22.00 |
| 8 on 12 | 22.00 |
| 8 on 14 | 22.00 |
| 8 on 16/18 | 22.00 |
| 8 on 20/24 | 22.00 |

| SIZE | LIST |
|-------------|-------|
| 10 on 10 | 26.00 |
| 10 on 12 | 26.00 |
| 10 on 14 | 26.00 |
| 10 on 16 | 26.00 |
| 10 on 18 | 26.00 |
| 10 on 20/24 | 26.00 |
| 12 on 12 | 31.00 |
| 12 on 14 | 31.00 |
| 12 on 16 | 31.00 |
| 12 on 18 | 31.00 |
| 12 on 20/24 | 31.00 |



Stamped Tap



Spiral Duct And Fittings

Saddle Taps

Part Two

*Fabricated/Conical Field Tap FT
14" and over*

| SIZE | LIST |
|-----------|-------|
| 5 on 9/10 | 24.00 |
| 5 on 12 | 24.00 |
| 5 on 14 | 24.00 |
| 5 on 16 | 24.00 |
| 7 on 7 | 27.00 |
| 7 on 9 | 27.00 |
| 7 on 12 | 27.00 |
| 7 on 14 | 27.00 |
| 7 on 16 | 27.00 |
| 7 on 18 | 27.00 |
| 7 on 20 | 27.00 |
| 9 on 9 | 30.00 |
| 9 on 12 | 30.00 |
| 9 on 14 | 30.00 |
| 9 on 18 | 30.00 |
| 14 on 14 | 49.00 |
| 14 on 16 | 49.00 |
| 14 on 18 | 49.00 |
| 14 on 20 | 49.00 |
| 14 on 22 | 49.00 |
| 14 on 24 | 49.00 |

| SIZE | LIST |
|----------|-------|
| 16 on 16 | 56.00 |
| 16 on 18 | 56.00 |
| 16 on 20 | 56.00 |
| 16 on 22 | 56.00 |
| 16 on 24 | 56.00 |
| 18 on 18 | 69.00 |
| 18 on 20 | 69.00 |
| 18 on 22 | 69.00 |
| 18 on 24 | 69.00 |
| 20 on 22 | 76.00 |
| 20 on 24 | 76.00 |



Fabricated/Conical Tap



Spiral Duct And Fittings

Lateral Tee- 45°
Full Body T45
Lateral



| SIZE | LIST |
|-------|-------|
| 4/3 | 38.00 |
| 6/4 | 42.00 |
| 8/6 | 51.00 |
| 10/8 | 61.00 |
| 12/10 | 73.00 |
| 14/12 | 86.00 |

Gasketed Bellmouth
Short Radius
PB



| DIA | LIST |
|-----|-------|
| 4 | 16.00 |
| 5 | 16.00 |
| 6 | 18.00 |
| 7 | 20.00 |
| 8 | 20.00 |
| 9 | 24.00 |
| 10 | 25.00 |
| 12 | 27.00 |

Gasketed Take-Off
No Radius
TO



| DIA | LIST |
|-----|-------|
| 3 | 19.00 |
| 14 | 33.00 |
| 16 | 36.00 |
| 18 | 48.00 |
| 20 | 51.00 |
| 22 | 54.00 |
| 24 | 57.00 |
| 26 | 57.00 |
| 28 | 47.00 |
| 30 | 54.00 |
| 32 | 58.00 |
| 34 | 62.00 |
| 36 | 66.00 |



Bellmouth Fittings And Take-Offs

Non-Gasketed Take-Off

Model AT-D
Stick-On Flange



| DIA | LIST |
|-----|-------|
| 5 | 14.00 |
| 6 | 14.00 |
| 7 | 16.00 |
| 8 | 17.00 |
| 9 | 20.00 |
| 10 | 21.00 |
| 12 | 31.00 |
| 14 | 37.00 |
| 16 | 44.00 |
| 18 | 53.00 |
| 20 | 79.00 |

Non-Gasketed Bellmouth

Model NGB-D
Short Radius with Damper



| DIA | LIST |
|-----|-------|
| 5 | 28.00 |
| 6 | 28.00 |
| 7 | 30.00 |
| 8 | 32.00 |
| 9 | 40.00 |
| 10 | 42.00 |
| 12 | 45.00 |
| 14 | 59.00 |
| 16 | 66.00 |
| 18 | 72.00 |
| 20 | 78.00 |

Non-Gasketed Bellmouth

Model NGB
Short Radius



Construction Features:

- 26 Ga. Galvanized Steel
- Damper constructed of 26 Ga. Galvanized Steel
- 1 1/2" Full Perimeter Flange
- Locking Damper
- 1/8" Neoprene Gasket on Flange

| DIA | LIST |
|-----|--------|
| 18 | 80.00 |
| 20 | 88.00 |
| 22 | 102.00 |
| 24 | 110.00 |
| 26 | 120.00 |
| 28 | 136.00 |
| 30 | 146.00 |
| 32 | 160.00 |
| 34 | 170.00 |
| 36 | 182.00 |

No Gasket on Flange
or Neck



Model HETD Take-Off

Stick On

Construction Features:

- 26 Ga. Galvanized Steel
- .125 Double Stick Neoprene Gasket
- 1" Full Perimeter Flange
- Locking Damper



Stick on Flange

HETD Take-Off Dimensional Data

| Diameter | 4" | 5" | 6" | 7" | 8" | 9" | 10" | 12" | 14" | 16" |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height | 8 | 8 | 8 | 8 | 8.5 | 9 | 9 | 10 | 11 | 12.5 |
| Base Length | 10 | 10 | 12 | 12 | 12 | 15 | 16 | 18 | 20 | 23.5 |
| Base Width | 4 | 5 | 6 | 6 | 6 | 6.75 | 7 | 9 | 9.75 | 12 |
| Gauge | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| List | 17.00 | 17.00 | 17.00 | 20.00 | 28.00 | 40.00 | 41.00 | 50.00 | 78.00 | 99.00 |

Length = duct opening; Width = duct opening; Height is to the lip bead and does not include crimp end

Model Super HETO Take-Off

W/Damper



Construction Features:

- 22 Gauge Galvanized** Solid Body Construction (ASTM A653)
- 3/4" x 1/8 Polyethylene Double-Faced Gasket
- Manufactured to conform to SMACNA 2005 Duct Construction Standards
- Solid Body Reduces Leakage meeting SMACNA/ASHRAE Leakage Class
- Engineered to the Highest Standards test data available
- Testing Performed by Intertek-ETL-Semko
- United States Patent Pending

| Size | Gauge | Height | Duct Opening L x W | List |
|------|-------|--------|--------------------|-------|
| 6" | 22 | 6 1/2" | 9 x 6 | 29.00 |
| 8" | 22 | 7" | 11 x 8 | 31.00 |
| 10" | 22 | 7" | 13 x 10 | 33.50 |
| 12" | 22 | 7" | 15 x 12 | 42.00 |

304 Stainless Steel Spiral Duct And Fittings

Spiral Pipe
Single Wall Round 304 SS



**Stainless Steel Round
SPIRAL Pipe
is available in
ten (10) foot
lengths only.
NO Custom cutting.**

Single Wall Round End Cap
End Cap 304 SS
ECSS



Single Wall Round Coupling
Coupling 304 SS
PCPSS & FCPSS





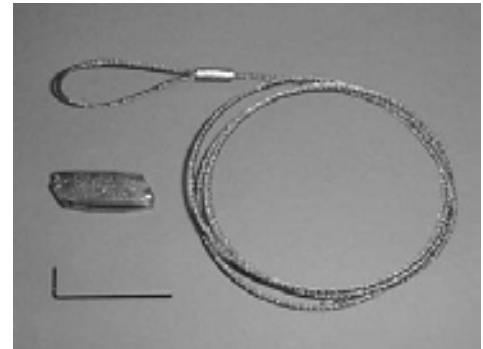
Gripple Hang-Fast – The Complete Kit



Each Gripple Hang-Fast comes as a complete kit, ready for use. One setting key is provided per bag. Each kit is comprised of a Gripple Hang-Fast Gripple and a steel cable sling with a loop at one end. The Gripple is used to secure the free end. The Safe Working Load (SWL) for each size incorporates a safety factor of 5:1. Non-Standard lengths made on request. In line with quality assurance, new technology means that all No. 2 and No. 3 sizes are 100% proof tested to twice the SWL of the product. With regards to all other sizes and variations, 1 in 10 manufactured units are proof tested. All wire rope is manufactured to BS 302.



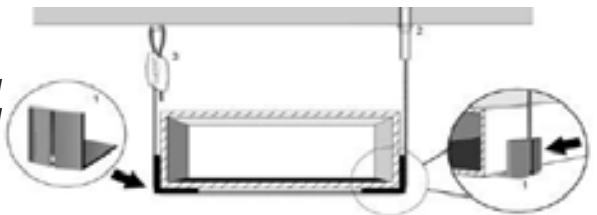
Gripple hangers are ideal for suspending spiral ductwork. The lightness, flexibility, ease of use and adjustment all contribute to reduced installation times and cost savings. Unlike rod or strap hangers, no field cutting or measuring is required. And if there is a change order, rather than start again, simply reposition the Gripple hanger. Gripple hangers have been tested and verified by SMACNA, and are acceptable hangers per the SMACNA Duct Construction Standards Manual 2005.



1. The Gripple Hang-Fast Corner Saddle is a right angled reinforcement molding for positioning and supporting No. 1, No. 2 or No. 3 Gripple Hang-Fast hangers

2. Stud-Fast is screwed directly into the ceiling using a 1/4" expansion anchor.

3. A 1/4" Thread Adaptor is then screwed into another expansion anchor and the Stud – Fast tail end is located through this. The assembly is finished and adjusted by using the Gripple.





| SIZE | PART # | CABLE LENGTH | BAG QTY | CASE QTY | LIST/BAG | LIST/CASE* |
|-------------------------------------------------------------------|---------|--------------|---------|----------|----------|------------|
| No. 1 Working Load 0-22 Lbs. (Min.-Max) LOOP | HF0110 | 10 ft | 10 | 200 | 114.00 | 2228.00 |
| No. 2 Working Load 22-100 Lbs. (Min.-Max) LOOP | HF0205 | 5 ft | 10 | 150 | 113.00 | 1689.00 |
| | HF0210 | 10 ft | 10 | 100 | 136.00 | 1358.00 |
| | HF0215 | 15 ft | 10 | 80 | 158.00 | 1262.00 |
| | HF0230 | 30 ft | 10 | 60 | 225.00 | 1345.00 |
| No. 3 Working Load 77-200 Lbs. (Min.-Max) LOOP | HF0305 | 5 ft | 10 | 80 | 139.00 | 1107.00 |
| | HF0310 | 10 ft | 10 | 50 | 165.00 | 824.00 |
| | HF0315 | 15 ft | 10 | 30 | 191.00 | 573.00 |
| | HF0330 | 30 ft | 5 | 20 | 135.00 | 540.00 |
| No. 4 Working Load 176-495 Lbs. (Min.-Max) LOOP | HF0415 | 15 ft | 5 | 20 | 188.00 | 753.60 |
| | HF0430 | 30 ft | 2 | 10 | 102.00 | 507.40 |
| No. 5 Working Load 495-715 Lbs. (Min.-Max) LOOP | HF0515 | 15 ft | 2 | 8 | 131.00 | 523.40 |
| | HF0530 | 30 ft | 2 | 6 | 163.00 | 488.04 |
| No. 2 Working Load 22-100 Lbs. (Min.-Max) 90° EYELET | 90-0210 | 10 ft | 10 | 100 | 139.00 | 1390.00 |
| | 90-0215 | 15 ft | 10 | 80 | 160.00 | 1281.60 |
| | 90-0230 | 30 ft | 10 | 50 | 269.00 | 1345.20 |
| No. 3 Working Load 77-200 Lbs. (Min.-Max) 90° EYELET | 90-0310 | 10 ft | 10 | 50 | 169.00 | 834.00 |
| | 90-0315 | 15 ft | 10 | 30 | 192.00 | 576.00 |
| | 90-0330 | 30 ft | 10 | 20 | 268.00 | 536.00 |

Accessory Pricing

| ATTACHMENT SOLUTIONS | PART # | CASE QTY | LIST EACH | CASE LIST |
|---------------------------|------------|----------|-----------|-----------|
| Corner Saddles (sizes1-3) | HFCCS | 100 | 0.48 | 48.00 |
| Pig Tail 3/4" | HFPT 3/4 | 1 | 1.40 | 1.40 |
| Pig Tail 1 3/4" | HFPT 1 3/4 | 1 | 1.40 | 1.40 |
| Drop in Anchor | HFDPA | 10 | 0.66 | 6.60 |
| Ceiling Clip | HFCC 1 1/4 | 100 | 1.46 | 146.00 |
| Wire Rope Cutter | HFWRC | 1 | 92.00 | 91.20 |
| Easy Grip Release Key | KEY - HF | 4 | 5.50 | 22.00 |

***Each Gripple includes cable, gripple, and allen wrench - SOLD BAG QUANTITY
For Large Quantity - Please Contact your Salesman**



Water Based Duct Sealant



Recommended Uses:

DP 1010 is recommended for sealing joints, seams and duct wall penetrations.
DP 1010 is recommended for sealing connections on flexible duct.
DP 1010 is recommended up to 15 inches water column pressure.

Features and Benefits:

- UL Listed
- Excellent Workability
- Crack and Peel Resistant
- Mold and Mildew Resistant
- Excellent Dry Adhesion
- Non-Flammable
- Indoor and Outdoor Usage
- Minimal Shrinkage
- Sag Resistant
- Excellent Water and U.V. Resistance
- Qualifies for LEED™ Credit EQ 4.1
- Meets Requirements of NFPA 90A & 90B, ASTM E-84, & UL 723
- Paintable with latex or epoxy paints after cured

| TYPE | LIST |
|---------------|-------|
| Tube 12 Ounce | 4.20 |
| GALLON | 26.80 |



DIRECTIONS FOR USE

Surface Preparation: Surfaces should be clean, dry and free of dirt, oil and any foreign matter.

APPLICATION:

For sheet metal duct: DP 1010 should be applied to all connections according to SMACNA standards. Brush, caulk, pump or trowel DP 1010 on all duct seams. Apply to TDC/TDF and applied flange corners. Apply to all penetrations in the duct wall including sheet metal screw heads and tie rods. When caulking sealant should be brushed into seams.

For round and oval spiral duct: Apply DP 1010 to the male section of the fitting or to the inside slip duct coupling. Secure with sheet metal screws per manufacturers requirements. Apply a 2-inch band of DP 1010 around outside of joint, covering all screws.

For use with rigid fiberglass air duct: Assemble sections according to the manufacturer's recommendations. Apply a 3-inch by 20 mil band of DP 1010 to the joint. Embed a fiberglass scrim (5 mil, 20 x 10 plain weave, 1.75 oz per sq. yd.) in the sealant and apply another 20 mil coat of DP 1010 over the scrim. For UL 181 Listed flexible duct: Install flexible duct per manufacturer's instructions using drawbands or mechanical fastener. Apply DP 1010 between the end of the flexible duct and the collar in a 3-inch band. Use DP 1010 to seal all connections of collar to metal duct or rigid fiberglass ductboard. Do not thin.

Duct Tapes



| MODEL | LIST | DESCRIPTION |
|-----------|-------|-----------------------------------------------------|
| AFT5020A | 12.75 | 2" X 50 yds 2 mil ALUMINUM TAPE - ALL WEATHER |
| AFT5030A | 19.10 | 3" X 50 yds 2 mil ALUMINUM TAPE - ALL WEATHER |
| DT03520GY | 8.00 | 2" X 60 yds 9 mil GREY CLOTH DUCT TAPE |

Access Doors

Hinged-Cam

Access Doors
Hinged
ADH-24



Access Doors
Cam
ADC-24



| SIZE | LIST |
|---------|-------|
| 6 X 6 | 29.00 |
| 8 X 8 | 31.00 |
| 10 X 10 | 35.00 |
| 12 X 12 | 36.00 |
| 14 X 14 | 51.00 |
| 16 X 16 | 56.00 |
| 18 X 12 | 47.00 |
| 18 X 18 | 64.00 |
| 20 X 20 | 69.00 |
| 24 X 24 | 83.00 |

Specifications:

Formed 22 gauge galvanized steel frame
Formed 24 gauge galvanized steel door
Fiberglass encapsulated in 1" thick door, providing an R-value of 3 (approximate)
Utilizes open cell polyester foam gasket
Preformed dovetail tabs allow for easy and quick installation
Dual cam design of ers complete removal of door for accessing duct
Available in sizes from 6"x6" to 24"x24"
Tested to 4.5" S.P. with minimal leakage



Access Doors

Sandwich - Round

Access Doors Flat Sandwich

ADFS



Access Doors Round Sandwich

ADRS



| SIZE | LIST |
|---------|-------|
| 10 X 6 | 60.00 |
| 16 X 12 | 85.00 |

| SIZE | DIA | LIST |
|---------|-----|-------|
| 10 x 6 | 6 | 60.00 |
| 10 x 6 | 8 | 60.00 |
| 10 x 6 | 10 | 60.00 |
| 10 x 6 | 12 | 60.00 |
| 10 x 6 | 14 | 60.00 |
| 10 x 6 | 16 | 60.00 |
| 16 x 12 | 18 | 85.00 |
| 16 x 12 | 20 | 85.00 |
| 16 x 12 | 22 | 85.00 |
| 16 x 12 | 24 | 85.00 |

Specifications:

- Formed 20 gauge galvanized steel
- Contains polyfoam insulation
- Utilizes closed cell neoprene gasket to ensure proper sealing requirements
- Increased bolt length allows door to encompass double wall or insulated duct
- Available in sizes listed here
- Available for both flat and round duct
- Self adhesive template included for proper installation

Dampers

Volume Dampers Low Pressure

4" thru 16" Dia is 26 Ga.



| DIA | LIST |
|-----|-------|
| 4 | 6.40 |
| 5 | 6.90 |
| 6 | 8.00 |
| 7 | 9.30 |
| 8 | 10.50 |
| 9 | 14.80 |
| 10 | 15.70 |
| 12 | 20.40 |
| 14 | 26.00 |
| 16 | 30.00 |

Blast Gate Full

Cast Aluminum / Galvanized Blade



| DIA | LIST |
|-----|--------|
| 3 | 24.40 |
| 4 | 27.40 |
| 5 | 34.40 |
| 6 | 42.40 |
| 7 | 52.50 |
| 8 | 65.10 |
| 9 | 100.70 |
| 10 | 106.50 |
| 12 | 129.20 |



Diffusers

Louver Faced

Model SH 22 Surface Mount



Model SH 23 T-Bar Lay-in



Specifications SH22:

Core is Removable from Face of Diffuser*
Square or Rectangular Duct Connections
Maintains a Horizontal Discharge Air Pattern from
Maximum to Minimum CFM
Various Discharge Air Patterns Available
Excellent Choice for VAV Applications with High
Loads
*Must Remove Shipping Clips Before Installing
Diffuser

| SIZE | CFM @ 500 FPM | DIFFUSER | COLOR | OBDFA DAMPER |
|---------|---------------|----------|-------|--------------|
| 6 X 6 | 125 | 30.00 | WHITE | 16.00 |
| 9 X 9 | 280 | 37.00 | WHITE | 18.00 |
| 12 X 12 | 500 | 52.00 | WHITE | 26.00 |
| 15 X 15 | 780 | 69.00 | WHITE | 35.00 |
| 18 X 18 | 1125 | 89.00 | WHITE | 66.00 |

Specifications SH23:

Core is Removable from Face of Diffuser*
Square or Rectangular Duct Connections
Maintains a Horizontal Discharge Air Pattern from
Maximum to Minimum CFM
Various Discharge Air Patterns Available
Excellent Choice for VAV Applications with High
Loads
*Must Remove Shipping Clips Before Installing
Diffuser

| SIZE | CFM @ 500 FPM | DIFFUSER | COLOR | OBDFA DAMPER |
|---------|---------------|----------|-------|--------------|
| 6 X 6 | 125 | 46.00 | WHITE | 16.00 |
| 9 X 9 | 280 | 51.00 | WHITE | 18.00 |
| 12 X 12 | 500 | 79.00 | WHITE | 26.00 |
| 15 X 15 | 780 | 86.00 | WHITE | 35.00 |
| 18 X 18 | 1125 | 108.00 | WHITE | 66.00 |

*See page 34 for Square to Round Adapters

Diffusers

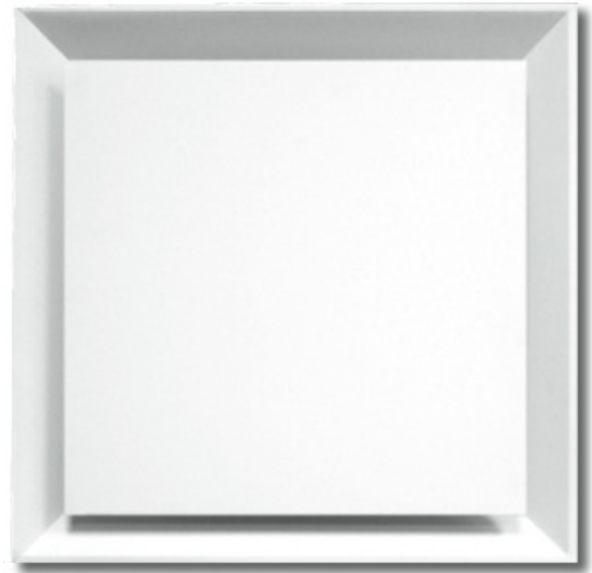
Cone and Plaque Faced



Model 1450
T-Bar Lay-in



Model PLQ
T-Bar Lay-in



Specifications:

Three Cones for Optimum Air flow Control
Cones Feature a One-piece Stamped Construction without Mitered Joints
Round Neck for Easy Connection to Round Duct
Anti-smudge Design Prevents Smearred Ceilings
Two Earthquake Tabs are Standard

Specifications:

The PLQ architectural ceiling diffuser provides the building designer with the desired appearance and superior performance of an uniform radial discharge air pattern. A 360° horizontal pattern delivers even air throughout the space.

Blow pattern tabs available - \$11.00 List each

| SIZE | CFM @ 500 FPM | DIFFUSER | COLOR | PRN-100 DAMPER |
|------|---------------|----------|-------|----------------|
| 6 | 98 | 57.00 | WHITE | 24.00 |
| 8 | 175 | 57.00 | WHITE | 27.00 |
| 10 | 273 | 57.00 | WHITE | 27.00 |
| 12 | 393 | 57.00 | WHITE | 28.00 |
| 14 | 535 | 57.00 | WHITE | 35.00 |

| SIZE | CFM @ 500 FPM | LIST | COLOR | PRN-100 DAMPER |
|------|---------------|-------|-------|----------------|
| 6 | 98 | 68.00 | WHITE | 24.00 |
| 8 | 175 | 68.00 | WHITE | 27.00 |
| 10 | 273 | 68.00 | WHITE | 27.00 |
| 12 | 393 | 68.00 | WHITE | 28.00 |
| 14 | 535 | 68.00 | WHITE | 35.00 |



Diffusers

Perforated Face Diffusers

Model 6600 T-Bar Lay-in



Specifications:

Field Adjustable 1, 2, 3, or 4-Way Blow Patterns
Great Choice for Installations with Changing Air Pattern Requirements
Removable Perforated Face for Easy Cleaning
24 X 24 Panel

| SIZE | CFM @ 500 FPM | LIST | COLOR | PRN-100 DAMPER |
|------|---------------|-------|-------|----------------|
| 6 | 98 | 48.00 | WHITE | 24.00 |
| 8 | 175 | 48.00 | WHITE | 27.00 |
| 10 | 273 | 48.00 | WHITE | 27.00 |
| 12 | 393 | 48.00 | WHITE | 28.00 |
| 14 | 535 | 48.00 | WHITE | 35.00 |
| 16 | 698 | 48.00 | WHITE | N/A |

Model 6790 T-Bar Lay-in



Specifications:

The 6790 series perforated return panel is designed for non-ducted return or exhaust applications. This panel does not require a backpan and is applicable for lay-in type ceilings. This series complements the 6600 supply diffusers to maintain a consistent appearance within the space.

** For Applications with round necks and backpan, order the 6600 Series above. Remove the directional louvers.
Perforated products are stocked in Steel with Factory white finish
For Hard Ceilings order the 5HCF23 Frame, see page 29

| SIZE | CFM @ 500 FPM | LIST |
|---------|---------------|-------|
| 24 x 12 | 1000 | 24.00 |
| 24 x 24 | 2000 | 30.00 |

Diffusers

Ice Tong Linear Diffusers

1" SLOTS



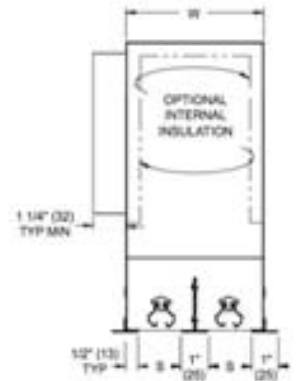
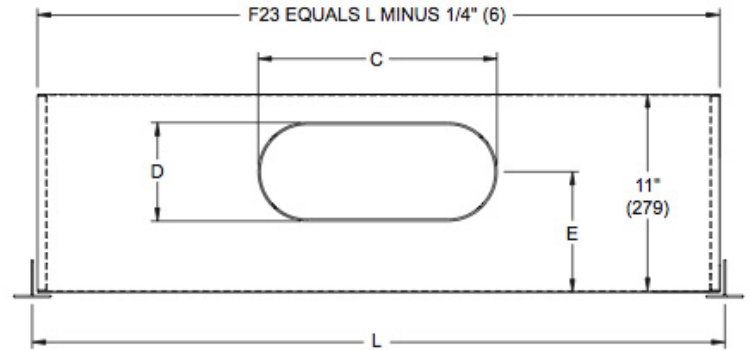
Model PTBA

T-Bar Lay-in

Ice Tong Insulated Plenum Slot



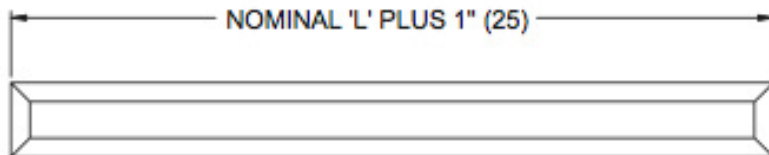
◀ PTBA



Model PTBA DIFFUSER - HCFPTBA Plaster Frame

| SIZE | PTBA LIST | CFM | Inlet Size | C | D | E | L | S | HCFPTBA List |
|------|-----------|-----|------------|--------|-------|-------|----|---|--------------|
| 24 | 106.00 | 125 | 8 OVAL | 9 3/8 | 5 1/4 | 7 7/8 | 24 | 1 | 15.00 |
| 48 | 160.00 | 270 | 10 OVAL | 12 1/2 | 5 1/4 | 7 7/8 | 48 | 1 | 21.00 |

HCFPTBA Plaster Frame - Color White



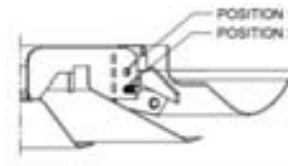
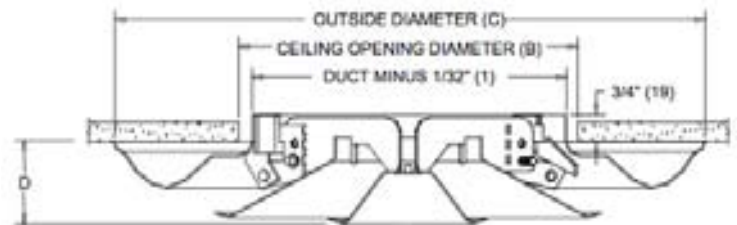


Diffusers

Round Diffusers



Model RM-1 Round Dif user



Krueger's RM round ceiling dif users provide excellent performance in variable air volume systems. The round ceiling dif users have three cones to provide an uniform appearance regardless of design specifications.

Model RM1 Dimensional Data

| Nominal D | B | C | D Position 1 | D Position 2 |
|-----------|--------|--------|--------------|--------------|
| 6 | 6 1/2 | 11 1/8 | 1 3/4 | 1 1/8 |
| 8 | 8 1/2 | 14 3/4 | 2 1/8 | 1 1/2 |
| 10 | 10 1/2 | 18 1/4 | 2 7/8 | 2 1/8 |
| 12 | 12 1/2 | 22 | 3 1/8 | 2 3/8 |
| 14 | 14 1/2 | 26 | 3 3/8 | 2 5/8 |

Specifications:

Designed for Heating and Cooling Applications
360° Discharge Air Pattern
Excellent Performance in Variable Air Volume Systems.
Designed for Exposed Duct or Hard Ceiling Applications. Silver color suitable for use as Primer

Model RM1 Pricing

| SIZE | CFM @ 500 FPM | LIST | COLOR | PRN-100 DAMPER |
|------|---------------|--------|---------|----------------|
| 6 | 98 | 84.00 | SILVER | 24.00 |
| 8 | 175 | 94.00 | SILVER | 27.00 |
| 10 | 273 | 102.00 | SILVER | 27.00 |
| 12 | 393 | 116.00 | SILVER | 28.00 |
| 14 | 535 | 156.00 | SIILVER | 35.00 |

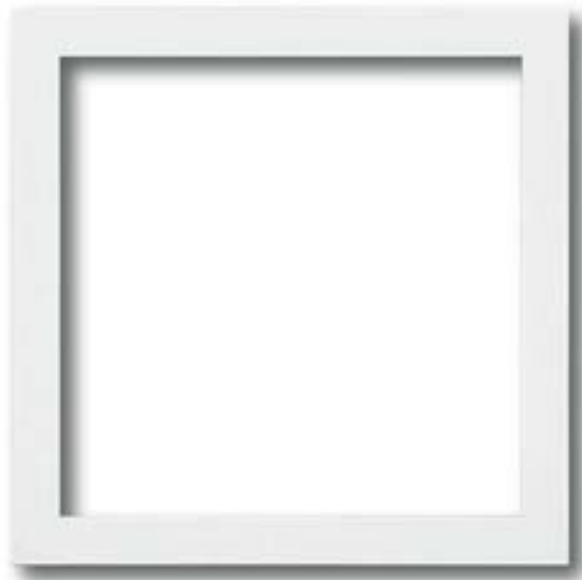
Diffusers

Hard Ceiling Frames



Model 5HCF23 Hard Ceiling Frame

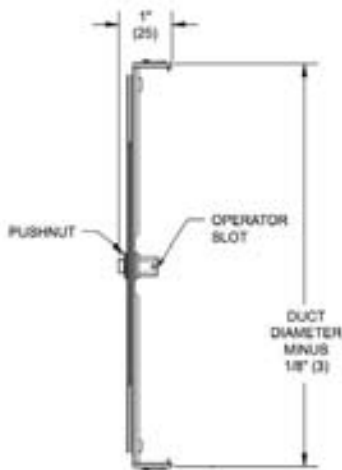
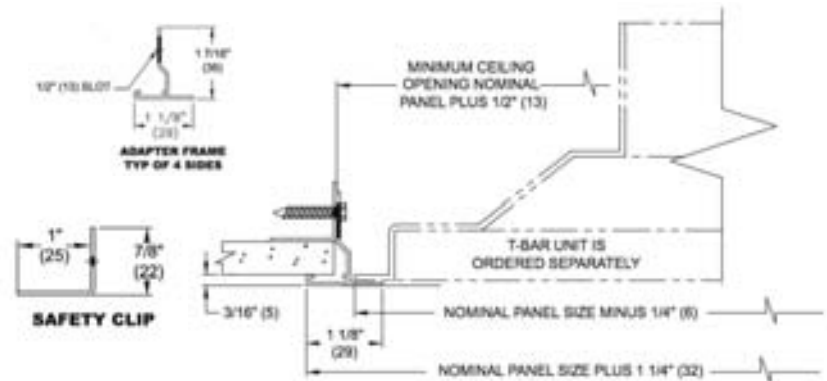
Lay-In



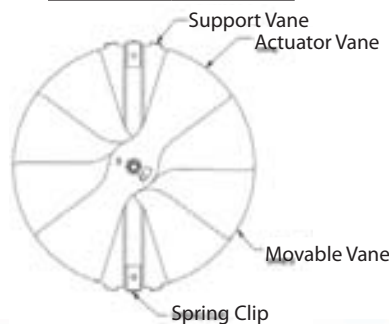
| SIZE | LIST |
|---------|-------|
| 24 X 24 | 50.00 |
| 24 X 12 | 45.00 |
| 12 x 12 | 42.00 |
| 15 x 15 | 48.00 |
| 18 x 18 | 48.00 |
| 21 x 21 | 48.00 |

Hard Ceiling Frame adapts Frame 23 to 22 Mounts Lay-in Diffusers into a Surface Mount Ceiling Aluminum Construction Standard Factory White Finish Size Based on Panel Size of Lay-in Diffuser
* Not for use with linear dif users

5HCF23 Assembly Detail



| SIZE | LIST |
|------|-------|
| 6 | 24.00 |
| 8 | 27.00 |
| 10 | 27.00 |
| 12 | 28.00 |
| 14 | 35.00 |



Model PRN-100 Damper





Registers

Supply Registers

Model 880-V-OBD

Vertical Front Blades



| SIZE | CFM @ 500 FPM | LIST |
|---------|---------------|--------|
| 8 x 6 | 220 | 38.00 |
| 10 x 4 | 139 | 37.00 |
| 10 x 6 | 208 | 41.00 |
| 10 x 8 | 277 | 43.00 |
| 12 x 4 | 166 | 39.00 |
| 12 x 6 | 250 | 44.00 |
| 12 x 8 | 333 | 46.00 |
| 12 x 10 | 416 | 52.00 |
| 14 x 4 | 194 | 41.00 |
| 14 x 6 | 291 | 46.00 |
| 14 x 8 | 388 | 51.00 |
| 14 x 10 | 486 | 57.00 |
| 16 x 8 | 444 | 56.00 |
| 16 x 10 | 555 | 62.00 |
| 18 x 6 | 375 | 53.00 |
| 18 x 8 | 500 | 60.00 |
| 18 x 10 | 625 | 68.00 |
| 24 x 6 | 500 | 69.00 |
| 24 x 8 | 667 | 73.00 |
| 24 x 10 | 833 | 86.00 |
| 24 x 12 | 1000 | 97.00 |
| 30 x 6 | 625 | 81.00 |
| 30 x 8 | 833 | 94.00 |
| 30 x 10 | 1041 | 108.00 |
| 30 x 12 | 1250 | 120.00 |

Double Deflection Supply Register

Steel Construction

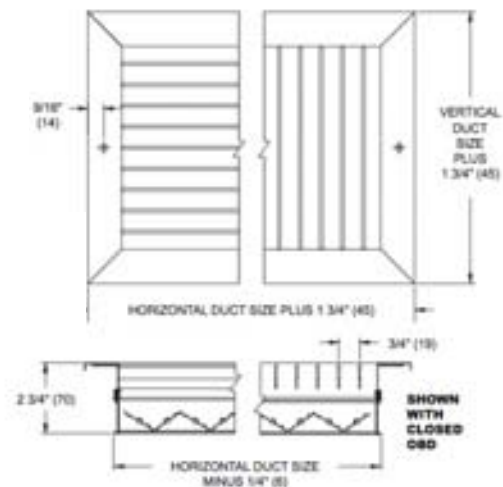
Individually Adjustable Vertical Front and Horizontal Rear Blades

3/4" Blade Spacing

Sizes range per matrix

Standard Finish is British White

Opposed Blade Damper OBD Included



Registers

Return Registers



| SIZE | CFM @ 500 FPM | LIST |
|---------|---------------|--------|
| 6 x 4 | 83 | 25.00 |
| 6 x 6 | 125 | 27.00 |
| 8 x 4 | 111 | 25.00 |
| 8 x 8 | 222 | 31.00 |
| 10 x 6 | 208 | 32.00 |
| 10 x 8 | 277 | 34.00 |
| 10 x 10 | 347 | 37.00 |
| 12 x 6 | 250 | 34.00 |
| 12 x 8 | 333 | 36.00 |
| 12 x 10 | 416 | 39.00 |
| 12 x 12 | 500 | 43.00 |
| 14 x 6 | 291 | 35.00 |
| 14 x 8 | 388 | 39.00 |
| 14 x 10 | 486 | 43.00 |
| 14 x 24 | 1166 | 54.00 |
| 16 x 14 | 777 | 60.00 |
| 16 x 16 | 888 | 66.00 |
| 18 x 12 | 750 | 58.00 |
| 18 x 14 | 875 | 65.00 |
| 18 x 18 | 1125 | 84.00 |
| 24 x 8 | 667 | 56.00 |
| 24 x 10 | 833 | 64.00 |
| 24 x 12 | 1000 | 73.00 |
| 24 x 24 | 2000 | 151.00 |
| 36 x 24 | 3000 | 241.00 |

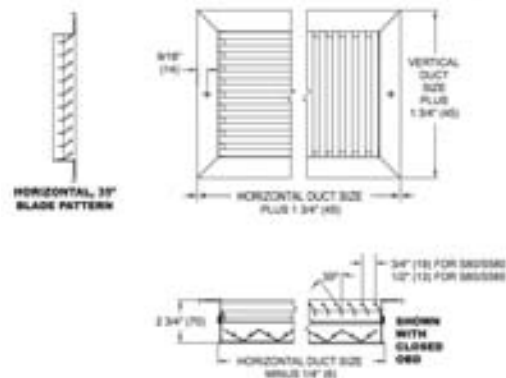
Model S80H-OBD

Horizontal 35 Degree Blades



Fixed Blade Return Register

- 3/4" Blade Spacing with 35° Deflection
- Steel Construction
- Horizontal Blades
- Sizes per Matrix
- Finish is British White
- Opposed Blade Damper OBD Included
- Surface Mount
- 1 1/4" Grille Thickness





Grilles

Return Grilles

Model S80H

Horizontal 35 Degree Blades



Fixed Blade Return Grille

3/4" Blade Spacing with 35° Deflection

Steel Construction

Horizontal Blades

Sizes per Matrix

Finish is British White

No Damper

Surface Mount

Model S80H Lay-In

Horizontal 35 Degree Blades

| SIZE | CFM @ 500 FPM | LIST | ODB DAMPER |
|---------|---------------|--------|------------|
| 22 x 10 | 763 | 32.00 | 26.00 |
| 22 x 22 | 1680 | 62.00 | 60.00 |
| 46 x 22 | 3513 | 440.00 | 142.00 |

| SIZE | CFM @ 500 FPM | LIST |
|---------|---------------|--------|
| 6 x 4 | 83 | 15.00 |
| 6 x 6 | 125 | 16.00 |
| 8 x 4 | 111 | 14.00 |
| 8 x 8 | 222 | 18.00 |
| 10 x 6 | 208 | 20.00 |
| 10 x 8 | 277 | 20.00 |
| 10 x 10 | 347 | 22.00 |
| 12 x 6 | 250 | 20.00 |
| 12 x 8 | 333 | 22.00 |
| 12 x 10 | 416 | 23.00 |
| 12 x 12 | 500 | 23.00 |
| 14 x 6 | 291 | 22.00 |
| 14 x 8 | 388 | 23.00 |
| 14 x 10 | 486 | 24.00 |
| 14 x 14 | 680 | 30.00 |
| 14 x 18 | 875 | 35.00 |
| 14 x 24 | 1166 | 44.00 |
| 16 x 14 | 777 | 32.00 |
| 16 x 16 | 888 | 35.00 |
| 18 x 12 | 750 | 31.00 |
| 18 x 14 | 875 | 35.00 |
| 18 x 18 | 1125 | 44.00 |
| 24 x 8 | 667 | 32.00 |
| 24 x 10 | 833 | 35.00 |
| 24 x 12 | 1000 | 38.00 |
| 24 x 24 | 2000 | 75.00 |
| 30 x 8 | 736 | 41.00 |
| 30 x 10 | 939 | 44.00 |
| 30 x 12 | 1143 | 46.00 |
| 36 x 10 | 1132 | 56.00 |
| 36 x 12 | 1377 | 59.00 |
| 36 x 14 | 1622 | 68.00 |
| 36 x 24 | 3000 | 119.00 |

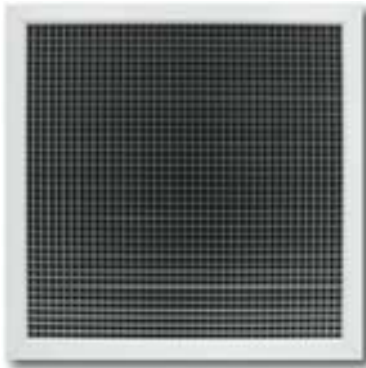


Registers and Grilles

Egg Crate Return Registers & Grilles



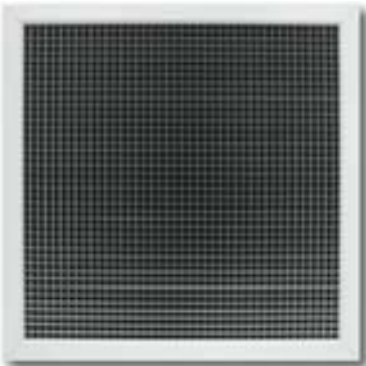
Model EGC5-OBD Register Egg Crate Return w/Damper



| SIZE | CFM @ 500 FPM | LIST |
|---------|---------------|--------|
| 6 X 6 | 125 | 31.00 |
| 8 X 8 | 222 | 35.00 |
| 10 X 10 | 347 | 40.00 |
| 12 X 12 | 500 | 48.00 |
| 14 X 14 | 680 | 57.00 |
| 16 X 16 | 888 | 76.00 |
| 18 X 18 | 1125 | 92.00 |
| 24 X 12 | 1000 | 83.00 |
| 24 X 24 | 2000 | 165.00 |

1/2"x1/2"x1/2" Aluminum Cube Core Return Grille with 1 1/4" Flange and OBD

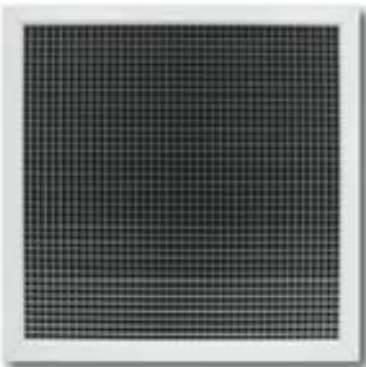
Model EGC5 Grille Egg Crate Return w/o Damper



| SIZE | CFM @ 500 FPM | LIST |
|---------|---------------|-------|
| 6 X 6 | 125 | 21.00 |
| 8 X 8 | 222 | 22.00 |
| 10 X 10 | 347 | 24.00 |
| 12 X 12 | 500 | 28.00 |
| 14 X 14 | 680 | 32.00 |
| 16 X 16 | 888 | 43.00 |
| 18 X 18 | 1125 | 51.00 |
| 24 X 12 | 1000 | 45.00 |
| 24 X 24 | 2000 | 85.00 |

1/2"x1/2"x1/2" Aluminum Cube Core Return Grille with 1 1/4" Flange No Damper

Model EGC5 Grille Egg Crate Return - Lay-In



| SIZE | CFM @ 500 FPM | LIST | OBD DAMPER |
|---------|---------------|--------|------------|
| 22 x 10 | 763 | 36.00 | 26.00 |
| 22 x 22 | 1680 | 69.00 | 60.00 |
| 46 x 22 | 3513 | 162.00 | 142.00 |

1/2"x1/2"x1/2" Aluminum Cube Core Return Grille with 1 1/4" Flange With or Without Damper



Filter Grilles

Filter Return

Model S80H Lay-In Filter Return

Horizontal 35 Degree Blades



Fixed Blade Filter Return Grille

3/4" Blade Spacing with 35° Deflection
Steel Construction
Horizontal Front Blades
Size per Matrix
Finish is British White
Hinged one side
Quarter turn fasteners
1" Filter Included

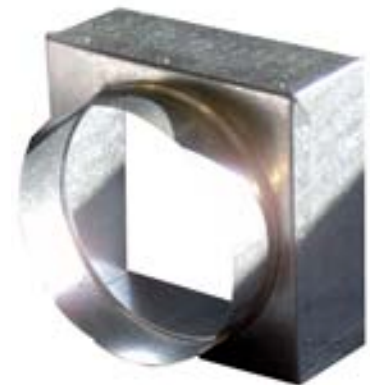
| DUCT SIZE | O.A. SIZE | CFM @ 500 FPM | LIST |
|-----------|-----------|---------------|--------|
| 20 x 20 | 24 x 24 | 1388 | 108.00 |

Ask Your Salesman about our complete line of Filters and Filter Housings!

Square to Round Transitions

Square to Round Transitions - Galvanized Steel

| SIZE | LIST | SIZE | LIST | SIZE | LIST |
|-------------|-------|--------------|-------|--------------|-------|
| 6 x 6 / 5 | 16.50 | 10 x 10 / 9 | 21.00 | 15 x 15 / 14 | 28.50 |
| 6 x 6 / 6 | 16.50 | 10 x 10 / 10 | 21.00 | 16 x 16 / 12 | 31.00 |
| 8 x 8 / 6 | 17.50 | 12 x 12 / 8 | 24.00 | 18 x 18 / 14 | 37.00 |
| 8 x 8 / 7 | 17.50 | 12 x 12 / 9 | 24.00 | 18 x 18 / 16 | 37.00 |
| 9 x 9 / 6 | 20.50 | 12 x 12 / 10 | 24.00 | 18 x 18 / 18 | 37.00 |
| 9 x 9 / 8 | 20.50 | 12 x 12 / 12 | 24.00 | 22 x 10 / 10 | 36.00 |
| 9 x 9 / 9 | 20.20 | 14 x 14 / 12 | 28.50 | 22 x 22 / 10 | 42.00 |
| 10 x 10 / 6 | 21.00 | 14 x 14 / 14 | 28.50 | 22 x 22 / 12 | 42.00 |
| 10 x 10 / 7 | 21.00 | 15 x 15 / 10 | 28.50 | 22 x 22 / 14 | 42.00 |
| 10 x 10 / 8 | 21.00 | 15 x 15 / 12 | 28.50 | 22 x 22 / 16 | 42.00 |



6 x 6 through 12 x 12 Box Height is 3", Collar Height is 2", 14 x 14 through 22 x 22 Box Height is 4", Collar Height is 2"



Return Air Grilles & Filter Grilles

Residential/Light Commercial Grilles

Series G25

Return Grille

Lanced Face, 1/2" Spaced Fins, White Finish



Series FG2

Return Grille



| Model Number | Description | List |
|--------------|-------------|-------|
| G25W | 6x6 | 7.50 |
| G25W | 8x8 | 7.00 |
| G25W | 10x10 | 10.50 |
| G25W | 12x6 | 5.00 |
| G25W | 12x10 | 15.00 |
| G25W | 12x12 | 9.00 |
| G25W | 14x6 | 5.00 |
| G25W | 14x10 | 17.00 |
| G25W | 14x14 | 11.50 |
| G25W | 16x16 | 19.00 |
| G25W | 18x12 | 22.00 |
| G25W | 18x18 | 35.00 |
| G25W | 20x12 | 24.50 |
| G25W | 20x20 | 23.50 |
| G25W | 24x24 | 63.50 |



Lanced, Removable Face
1/2" Spaced Fins
Thumb Latch for Easy Opening
White Finish

| Model Number | Description | CTN QTY | List |
|--------------|-------------|---------|-------|
| FG2W 2014 | 20 x 14 | 1 | 32.50 |
| FG2W 2020 | 20 X 20 | 1 | 40.00 |
| FG2W 2424 | 24 X 24 | 1 | 56.00 |



Square Ceiling Diffusers

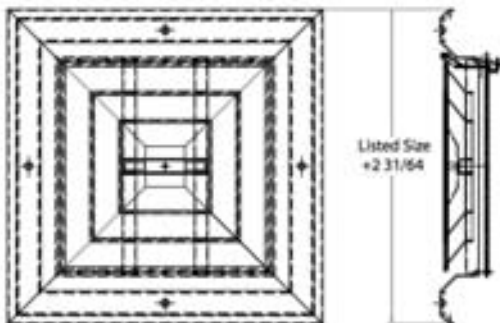
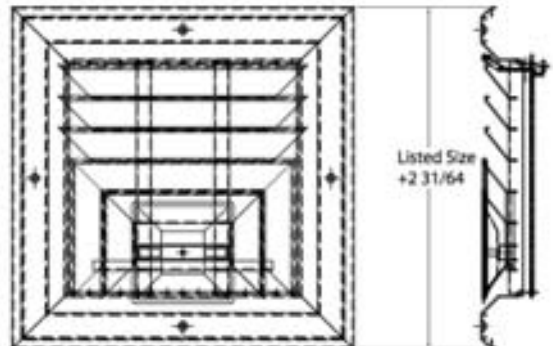
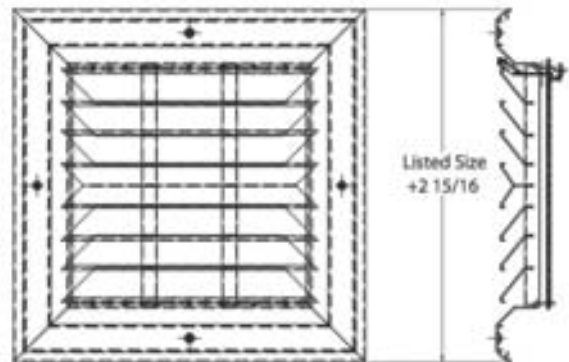
Residential/Light Commercial Diffusers

Series AE1-AE5 Square Ceiling Diffuser

| Model Number | Description | List |
|--------------|-----------------|-------|
| AE1W06MS | 6x6 1W | 37.00 |
| AE2W06MS | 6x6 2W | 37.00 |
| AE3W06MS | 6x6 3W | 37.00 |
| AE4W06MS | 6x6 4W | 37.00 |
| AE5W06MS | 6x6 Corner 2D | 47.00 |
| AE1W08MS | 8x8 1W | 42.50 |
| AE2W08MS | 8x8 2W | 42.50 |
| AE3W08MS | 8x8 3W | 42.50 |
| AE4W08MS | 8x8 4W | 42.50 |
| AE5W08MS | 8x8 Corner 2D | 50.00 |
| AE1W10MS | 10x10 1W | 55.50 |
| AE2W10MS | 10x10 2W | 55.50 |
| AE3W10MS | 10x10 3W | 55.50 |
| AE4W10MS | 10x10 4W | 55.50 |
| AE5W10MS | 10x10 Corner 2D | 67.00 |
| AE1W12MS | 12x12 1W | 68.50 |
| AE2W12MS | 12x12 2W | 68.50 |
| AE3W12MS | 12x12 3W | 68.50 |
| AE4W12MS | 12x12 4W | 68.50 |
| AE5W12MS | 12x12 Corner 2D | 86.00 |



* 2D Corner Diffuser not shown



VAV's

Single Duct & Hot Water Coils



Model LMHS

Single Duct Terminal Unit



Single Duct VAV

| SIZE | MAX CFM | BOX LIST | COIL LIST |
|------|---------|----------|-----------|
| 6 | 500 | 262.00 | 105.00 |
| 8 | 800 | 278.00 | 130.00 |
| 10 | 1350 | 299.00 | 158.00 |
| 12 | 1900 | 320.00 | 199.00 |
| 14 | 2750 | 367.00 | 288.00 |

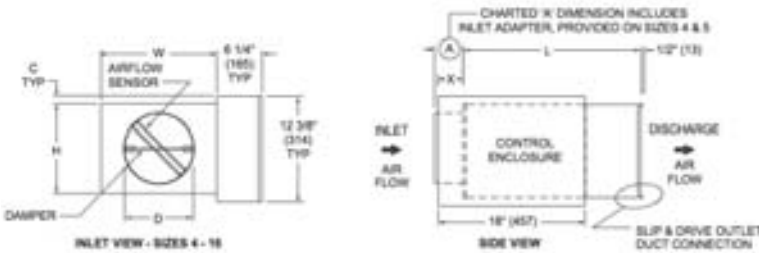
*Bare Boxes, No Controls, Actuators or Transformers
Unit Includes Cross Flow Sensor and Damper. Add \$47.00 List for Control Shroud*

** Connection Tubing – 0.032" Thick Copper,
Male Solder Connection.*

** Coil Casing – 20 Gage Galvanized Steel*

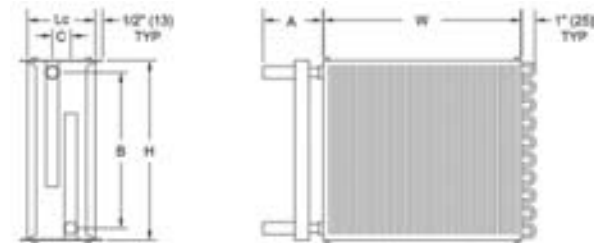
** Coil Tubing – 1/2" O D x 0.016" Thick Copper*

**Coil Fins – 0.0045" Thick Aluminum, 10 per inch*



Two Row Hot Water Coils

| SIZE | CFM | L | W | H | A | D | X |
|------|------|--------|----|--------|-------|--------|-------|
| 6 | 500 | 15 1/2 | 12 | 8 | 3 3/8 | 5 7/8 | 7 1/4 |
| 8 | 800 | 15 1/2 | 12 | 10 | 3 3/8 | 7 7/8 | 7 1/4 |
| 10 | 1350 | 15 1/2 | 14 | 12 1/2 | 3 3/8 | 9 7/8 | 5 1/4 |
| 12 | 1900 | 15 1/2 | 16 | 15 | 3 3/8 | 11 7/8 | 5 1/4 |
| 14 | 2750 | 15 1/2 | 20 | 17 1/2 | 3 3/8 | 13 7/8 | 3 1/4 |

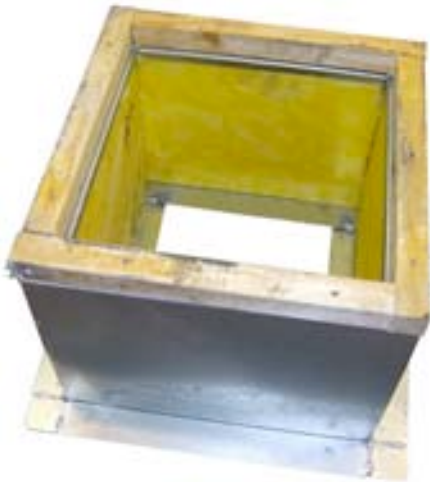


| Size | | CFM | | Static Ps | | Min | | NC Levels | | CFM | MBH | EAT | LAT | APd | GPM | EWT | LWT | WPd |
|------|--------|-------|-----|-----------|------|------|-----|-----------|-------|-------|-----|-----|------|-----|-------|-------|------|-----|
| Unit | Outlet | Max | Min | Inlet | Down | | Rad | Disch | | | | | | | | | | |
| 6 | 12x8 | 500 | 0 | 1.00 | 0.25 | 0.49 | 20 | 17 | 500 | 18.9 | 55 | 90 | 0.33 | 1.0 | 180.0 | 141.7 | 0.20 | |
| 8 | 12x10 | 800 | 0 | 1.00 | 0.25 | 0.59 | 17 | 16 | 800 | 34.8 | 55 | 90 | 0.46 | 2.2 | 180.0 | 148.9 | 1.50 | |
| 10 | 14x13 | 1,350 | 0 | 1.00 | 0.25 | 0.74 | 23 | 16 | 1,350 | 51.0 | 55 | 90 | 0.59 | 3.4 | 180.0 | 149.6 | 1.70 | |
| 12 | 16x15 | 1,900 | 0 | 1.00 | 0.20 | 0.76 | 20 | 17 | 1,900 | 71.8 | 55 | 90 | 0.62 | 4.2 | 180.0 | 145.7 | 3.20 | |
| 14 | 20x18 | 2,750 | 0 | 1.00 | 0.22 | 0.78 | 23 | 18 | 2,750 | 103.9 | 55 | 90 | 0.61 | 5.7 | 180.0 | 143.7 | 3.80 | |

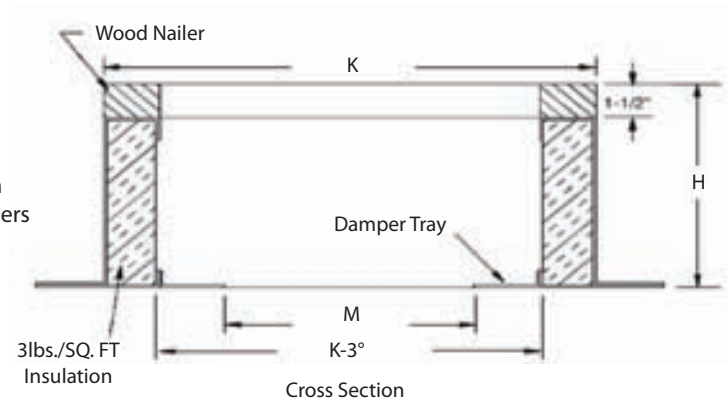


Roof Curbs and Rails

Model 4000M Flat Roof Curb



Damper Tray
18 Gauge Galvanized Steel
2 x 2 Wood Nailer
1 1/2" Acoustical Insulation
Continuously Welded Corners



Roof Curbs - 4000M Series

| MODEL | K | M | H | ROOF CENTRIFUGAL UNITS | PR/TR PROPELLER UNITS | ASP / KSP UNITS | LIST |
|-------|--------|--------|----|-------------------------|-----------------------|-----------------|--------|
| M-16 | 16 1/2 | 9 3/4 | 12 | 60, 70, 80, 90, 100 | 8 | - | 160.00 |
| M-18 | 18 1/2 | 11 3/4 | 12 | 120, 135 | 12 | - | 168.00 |
| M-22 | 22 1/2 | 15 3/4 | 12 | 150, 165 | - | 90 | 204.00 |
| M-28 | 28 1/2 | 21 3/4 | 12 | 180, 195, 210, 225, 245 | - | - | 232.00 |
| M-34 | 34 1/2 | 27 3/4 | 12 | 270, 300 | 24 | - | 276.00 |
| M-40 | 40 1/2 | 33 3/4 | 12 | 330, 365 | 30 | 180 | 328.00 |

Equipment Rail - Model 300

| MODEL | L | W | H | MATERIAL | LIST |
|-------|-------|----|-----|------------------|--------|
| 300-2 | 2'-0" | 4" | 12" | 18 Ga Galvanized | 150.00 |
| 300-3 | 3'-0" | 4" | 12" | 18 Ga Galvanized | 150.00 |
| 300-4 | 4'-0" | 4" | 12" | 18 Ga Galvanized | 198.00 |
| 300-6 | 6'-0" | 4" | 12" | 18 Ga Galvanized | 268.00 |
| 300-8 | 8'-0" | 4" | 12" | 18 Ga Galvanized | 356.00 |

18 Gauge Galvanized Steel - Continuously Welded Corners - 2 x 4 Nailer

M-300

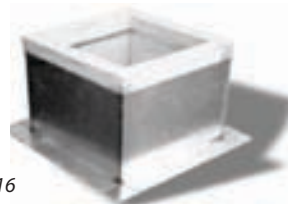


Pipe Portal and Curb

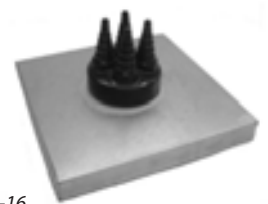
| MODEL | DESCRIPTION | LIST |
|--------|-----------------------|--------|
| NPL-16 | Curb Cap Portal Ass'y | 158.00 |
| M-16 | 16" Curb | 160.00 |

Four Pipe Portals Per Unit

M-16



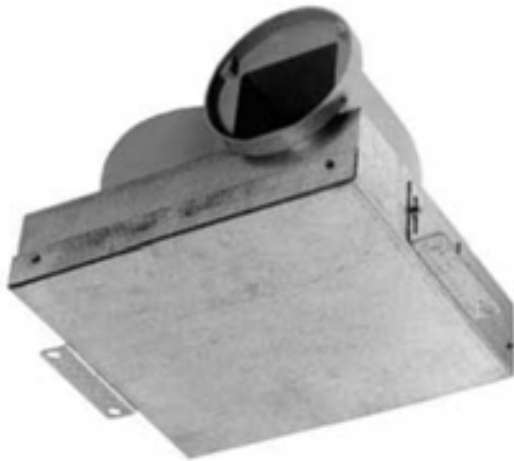
NPL-16





In-Line Fans

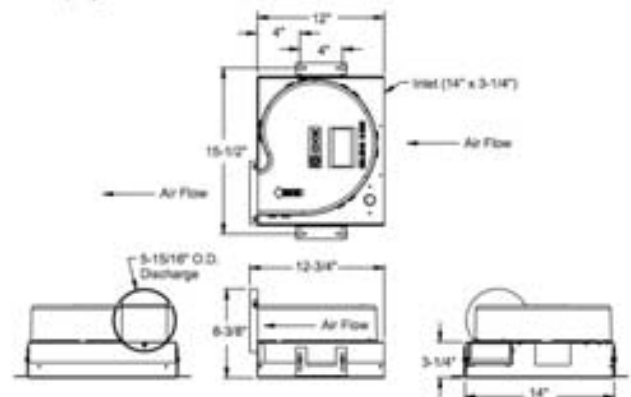
Loren Cook Company



Description - Fan shall be ceiling mounted, direct driven, centrifugal exhaust fan.
Certifications - Fan shall be manufactured by an ISO 9001 certified company. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (CUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.
Construction - Fan wheel housing and integral outlet duct collar shall be injection molded from a specially engineered resin exceeding UL requirements for smoke and heat generation. The outlet duct shall have provision for an aluminum backdraft damper with continuous aluminum hinge rod. The inlet box shall be minimum 22 gauge galvanized steel. Motor shall be isolation mounted to an one piece galvanized stamped steel integral motor mount/inlet. A field wiring compartment with disconnect receptacle shall be standard. To accommodate different ceiling thickness, an adjustable prepunched mounting bracket shall be provided. A white, non-yellowing, high impact styrene injection molded grille shall be provided as standard. Unit shall be designed with provision for field conversion from ceiling to inline. Unit shall be shipped in ISTA Certified Transit Tested Packaging.
Wheel - Wheel shall be centrifugal forward curved type, injection molded of polypropylene resin. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.
Motor - Motor shall be open drip proof type with permanently lubricated sealed bearings and include impedance or thermal overload protection and disconnect plug. Motor shall be furnished at the specified voltage.

In-Line Fans

| Model | Watts/BHP | RPM | Base List |
|--------|-----------|------|-----------|
| GN-122 | 49 | 800 | 175.00 |
| GN-124 | 65 | 900 | 175.00 |
| GN-142 | 58 | 1000 | 185.00 |
| GN-144 | 100 | 1100 | 185.00 |
| GN-162 | 102 | 1200 | 205.00 |
| GN-164 | 142 | 1300 | 205.00 |
| GN-182 | 189 | 1400 | 242.00 |
| GN-184 | 224 | 1500 | 242.00 |



GN 122 - 184

| Model GN | Max. Watts | RPM | HVI Sonest† | .0.0 SP | | .100 SP | | .125 SP | | .250 SP | | .375 SP | | .500 SP | | .625 SP | | .750 SP | | .875 SP | | 1.000 SP | | | |
|----------|------------|------|-------------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|----------|-------|-----|-------|
| | | | | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones |
| GN-122 | 49 | 800 | 0.3 | 57 | 0.4 | 56 | 0.8 | 55 | 0.8 | 53 | 0.8 | 51 | 1.2 | 47 | 1.7 | 40 | 2.5 | | | | | | | | |
| GN-124 | 65 | 900 | 0.5 | 77 | 0.7 | 76 | 0.9 | 76 | 0.9 | 74 | 1.1 | 70 | 1.4 | 64 | 1.7 | 57 | 2.7 | 49 | 4.2 | | | | | | |
| GN-142 | 58 | 1000 | 0.6 | 107 | 0.9 | 95 | 1.0 | 92 | 1.0 | 81 | 1.3 | 73 | 1.5 | 65 | 1.8 | 56 | 2.2 | 45 | 2.9 | | | | | | |
| GN-144 | 100 | 1100 | 1.5 | 136 | 1.9 | 132 | 2.0 | 131 | 2.0 | 126 | 2.2 | 119 | 2.3 | 110 | 2.5 | 99 | 2.7 | 86 | 3.2 | 67 | 3.8 | 42 | 4.6 | | |
| GN-162 | 102 | 1200 | 1.5 | 147 | 1.9 | 143 | 2.1 | 142 | 2.1 | 137 | 2.3 | 132 | 2.4 | 124 | 2.5 | 113 | 2.7 | 99 | 3.0 | 78 | 3.3 | 50 | 3.7 | | |
| GN-164 | 142 | 1300 | 2.5 | 186 | 3.0 | 182 | 3.1 | 181 | 3.1 | 175 | 3.1 | 169 | 3.2 | 160 | 3.2 | 144 | 3.2 | 127 | 3.3 | 110 | 3.6 | 78 | 3.8 | | |
| GN-182 | 189 | 1400 | 4.5 | 228 | 6.0 | 224 | 5.7 | 223 | 5.7 | 218 | 5.3 | 212 | 5.1 | 203 | 4.9 | 189 | 4.7 | 172 | 4.5 | 155 | 4.3 | 132 | 4.2 | | |
| GN-184 | 224 | 1500 | 5.0 | 260 | 6.4 | 253 | 6.2 | 251 | 6.1 | 241 | 5.8 | 231 | 5.4 | 220 | 5.1 | 206 | 4.8 | 187 | 4.7 | 163 | 4.5 | 141 | 4.4 | | |

Performance shown is for Installation Type D: Ducted inlet, ducted outlet. Performance ratings for GN-122 through GN-184 do not include the effects of appurtenances in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan zones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type D: Ducted inlet, ducted outlet. Ratings do not include the effect of duct end correction. †HVI sones @ .1" static pressure. AMCA Certified Ratings Seal does not apply to HVI Sones.



Ceiling Fans

Loren Cook Company



Description - Fan shall be ceiling mounted, direct driven, centrifugal exhaust fan.

Certifications - Fan shall be manufactured by an ISO 9001 certified company. Fan shall be listed by Underwriters Laboratories (UL 705) and UL listed for Canada (CUL 705). Fan shall bear the AMCA Certified Ratings Seal for Sound and Air Performance.

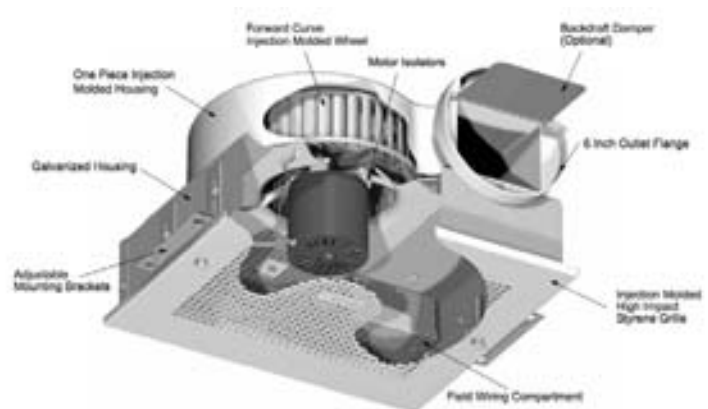
Construction - Fan wheel housing and integral outlet duct collar shall be injection molded from a specially engineered resin exceeding UL requirements for smoke and heat generation. The outlet duct shall have provision for an aluminum backdraft damper with continuous aluminum hinge rod. The inlet box shall be minimum 22 gauge galvanized steel. Motor shall be isolation mounted to an one piece galvanized stamped steel integral motor mount/inlet. A field wiring compartment with disconnect receptacle shall be standard. To accommodate different ceiling thickness, an adjustable prepunched mounting bracket shall be provided. A white, non-yellowing, high impact styrene injection molded grille shall be provided as standard. Unit shall be designed with provision for field conversion from ceiling to inline. Unit shall be shipped in ISTA Certified Transit Tested Packaging.

Wheel - Wheel shall be centrifugal forward curved type, injection molded of polypropylene resin. Wheel shall be balanced in accordance with AMCA Standard 204-96, Balance Quality and Vibration Levels for Fans.

Motor - Motor shall be open drip proof type with permanently lubricated sealed bearings and include impedance or thermal overload protection and disconnect plug. Motor shall be furnished at the specified voltage.

Ceiling Fans

| Model | Watts/BHP | RPM | Base List |
|--------|-----------|------|-----------|
| GC-122 | 50 | 800 | 175.00 |
| GC-124 | 64 | 900 | 175.00 |
| GC-142 | 59 | 1000 | 185.00 |
| GC-144 | 98 | 1100 | 185.00 |
| GC-162 | 103 | 1200 | 205.00 |
| GC-164 | 145 | 1300 | 205.00 |
| GC-182 | 185 | 1400 | 242.00 |
| GC-184 | 220 | 1500 | 242.00 |



GC 122 - 184

| Model GC | Max. Watts | RPM | HVI Sones† | .00 SP | | .100 SP | | .125 SP | | .250 SP | | .375 SP | | .500 SP | | .625 SP | | .750 SP | | .875 SP | | 1,000 SP | | | |
|----------|------------|------|------------|--------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|-------|----------|-------|-----|-------|
| | | | | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones | CFM | Sones |
| GC-122 | 50 | 800 | 0.7 | 60 | 1.0 | 69 | 1.1 | 58 | 1.1 | 56 | 1.3 | 53 | 2.0 | 49 | 2.7 | 42 | 3.5 | 28 | 4.4 | | | | | | |
| GC-124 | 64 | 900 | 1.1 | 81 | 1.5 | 80 | 1.6 | 79 | 1.6 | 77 | 1.7 | 73 | 2.1 | 67 | 2.7 | 59 | 3.3 | 49 | 4.2 | 32 | 5.2 | | | | |
| GC-142 | 59 | 1000 | 1.1 | 111 | 1.6 | 97 | 1.7 | 94 | 1.7 | 84 | 1.9 | 76 | 2.2 | 68 | 2.7 | 60 | 3.4 | 48 | 4.5 | 30 | 5.7 | | | | |
| GC-144 | 98 | 1100 | 2.0 | 139 | 2.8 | 133 | 2.9 | 131 | 2.9 | 124 | 3.0 | 117 | 3.2 | 108 | 3.4 | 97 | 3.7 | 84 | 4.2 | 65 | 4.8 | 42 | 5.5 | | |
| GC-162 | 103 | 1200 | 2.5 | 154 | 3.3 | 151 | 3.4 | 150 | 3.4 | 145 | 3.6 | 140 | 3.7 | 131 | 3.8 | 117 | 4.0 | 105 | 4.1 | 87 | 4.8 | 56 | 5.5 | | |
| GC-164 | 145 | 1300 | 4.0 | 190 | 4.9 | 186 | 4.8 | 185 | 4.8 | 180 | 4.7 | 174 | 4.7 | 166 | 4.7 | 148 | 4.7 | 131 | 4.7 | 110 | 5.1 | 78 | 5.5 | | |
| GC-182 | 185 | 1400 | 5.5 | 232 | 6.9 | 227 | 6.9 | 226 | 6.8 | 219 | 6.8 | 212 | 6.7 | 203 | 6.6 | 189 | 6.5 | 173 | 6.4 | 155 | 6.3 | 130 | 6.2 | | |
| GC-184 | 220 | 1500 | 6.0 | 262 | 7.7 | 256 | 7.6 | 253 | 7.5 | 244 | 7.4 | 234 | 7.2 | 222 | 7.1 | 207 | 6.9 | 189 | 6.6 | 166 | 6.3 | 143 | 6.1 | | |

Performance shown is for installation Type B: Free inlet, ducted outlet. Performance ratings for GC-122 through GC-164 include the effects of inlet grille in the airstream. Speed (RPM) shown is nominal. Performance is based on actual speed of the test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for installation Type B: Free inlet fan sone levels. (HVI sones @ .1" static pressure. AMCA Certified Ratings Seal does not apply to HVI Sones.



In-Line and Ceiling Fans

Accessories For GN/GC Series Fans

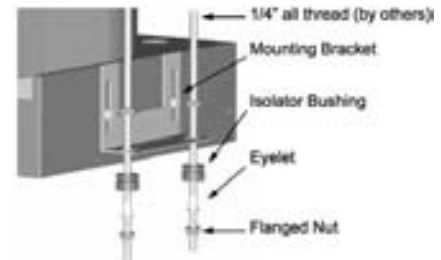
Fan Speed Control

For use with models 122-184



| Model | Fan Speed Control |
|-------|-------------------|
| FSC | 56.00 |

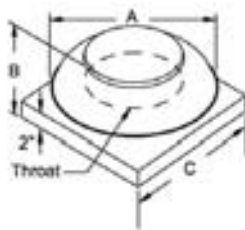
Rubber Isolators



| Model | Isolators |
|-------|-----------|
| RIS | 15.00 |

Roof Cap Curb Mount

Roof Curb Sold Separately



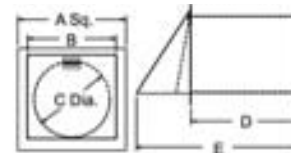
Roof Cap - Curb Mount

Roof Cap Curb Mount GC 122-184

| Model | List | A | B | C | Throat Dia. |
|-------|--------|--------|--------|----|-------------|
| PR-8 | 230.00 | 18-1/4 | 10-1/8 | 18 | 8-19/32 |

Round Duct Wall Cap With Damper

*6" Diameter Wall Cap



Round Duct Wall Cap GC 122-184

| Model | List | A Sq. | B | C Dia. | D | E |
|-------|-------|-------|---|--------|-------|--------|
| WCR6 | 34.00 | 8 | 7 | 6 | 8-1/2 | 12-3/4 |



Duct Smoke Detectors

Important Duct Smoke Detector Information

Several documents provide guidance concerning the performance, application and installation of duct smoke detectors, including:

- UL Standard 268A, Standard for Smoke Detectors for Duct Applications
- NFPA Standard 90A, Installation of Air Conditioning and Ventilating Systems
- NFPA 92A, Recommended Practice for Smoke Control Systems
- NFPA Standard 72, National Fire Alarm Code
- NFPA Standard 101, Life Safety Code
- ASHRAE Handbook and Product Directory, "Fire and Smoke Control"

System Sensor



RTS451 Accessory



SSK451 Accessory



| Model | Description | LIST |
|------------|------------------------------------------------|--------|
| D4120 | System Sensor 4 wire Photoelectric | 254.00 |
| D4120W | System Sensor 4 wire Photoelectric-water tight | 345.00 |
| DST-3 | 3 Ft Sampling Tube | 15.00 |
| DST-5 | 5 Ft Sampling Tube | 20.00 |
| SSK451 | Multi-Signaling Remote Indicator | 145.00 |
| RTS451 Key | Remote Indicator w/ LED and Key | 90.00 |
| RTS451 | Remote Indicator No Key | 65.00 |

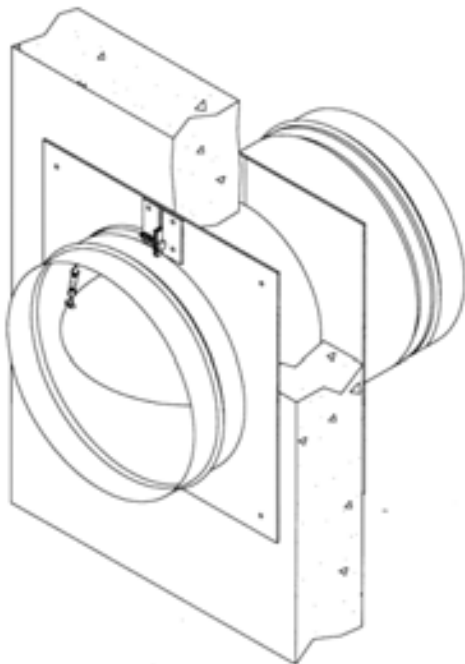
Fire Damper

True Round

RUSKIN[®]

Model FDR25

True Round
Fire Damper



| DIA | SLEEVE LENGTH | LIST |
|-----|---------------|--------|
| 6 | 14" | 105.20 |
| 7 | 14" | 119.20 |
| 8 | 14" | 119.20 |
| 9 | 14" | 129.20 |
| 10 | 14" | 129.20 |
| 12 | 14" | 139.20 |
| 14 | 14" | 151.10 |

STANDARD CONSTRUCTION

FRAME/SLEEVE

20 gauge (.9) galvanized steel, standard 14" (356) integral sleeve and retaining "cinch" plates.

BLADES

Single skin 14 gauge (1.9) equivalent thickness galvanized steel.

BEARINGS

Stainless steel sleeve, pressed into frame.

AXLE

1/2" (13) diameter.

FUSE LINK

165°F (74°C) is standard

DAMPER SIZES

MINIMUM SIZE

6" (152) diameter.

MAXIMUM SIZE

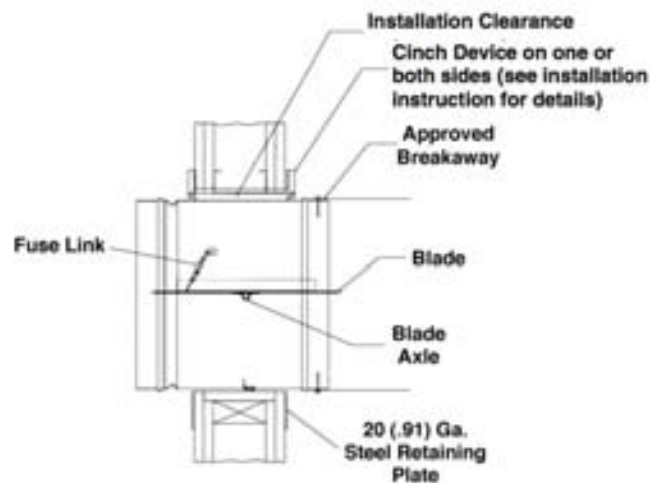
Vertical/Horizontal – 24" (610) diameter. Sizes over 14" are not stocked.

APPLICATION

The FDR25 is a "true round" fire damper designed for use in fire rated walls and floors and is the perfect choice when using round duct. The FDR25 is rated for maximum velocity of 2,000 fpm and 4" w.g. static pressure. The integral frame and unique "cinch plate" design provides a low cost, high performing damper. When the FDR25 reaches a job site nothing else is required in order to install the damper. The FDR25 now has UL approval for plate on one-side of metal stud or concrete walls.

A **square** opening in wood or metal stud walls or masonry walls and floors shall be a minimum of 1" (25) and a maximum of 2 1/2" (64) larger than the damper diameter. See wood stud and metal stud framing for fire dampers installation instructions supplement for complete framing details. A **round** opening in masonry walls or floors shall be a minimum of 1" (25) and a maximum of 2 1/2" (64) larger than the damper diameter.

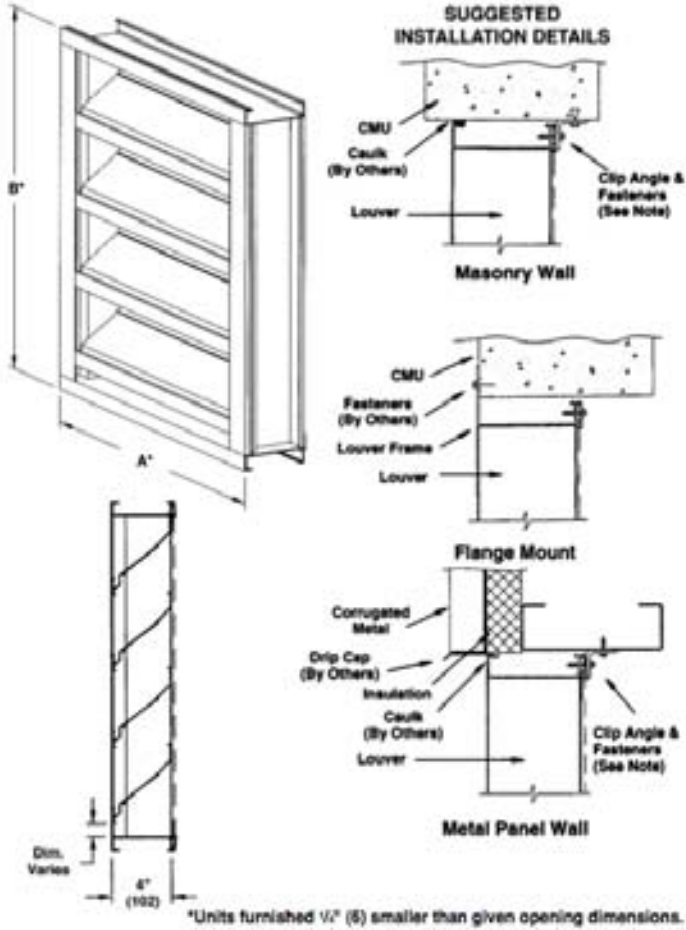
Factory supplied retaining "cinch" plates hold the damper within the wall opening. The plates must overlap the opening a minimum of 1/2" (13). The plate fits snugly around the integral sleeve. The plates are fastened directly to the wall or floor.





Non-Stock Products

Aluminum Louver, Drainable Blades



*Units furnished 1/2" (5) smaller than given opening dimensions.

Pricing Model GFL800D Louver

| SIZE | WIDTH | | | | | | | | | |
|--------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | |
| HEIGHT | 12 | 108 | 118 | 131 | 144 | 155 | 166 | 181 | 230 | 248 |
| | 18 | 131 | 146 | 166 | 183 | 200 | 217 | 237 | 308 | 330 |
| | 24 | 140 | 161 | 183 | 202 | 222 | 243 | 267 | 343 | 371 |
| | 30 | 203 | 239 | 273 | 304 | 338 | 371 | 411 | 418 | 457 |
| | 36 | 218 | 256 | 293 | 329 | 366 | 401 | 446 | 457 | 497 |
| | 42 | 237 | 286 | 325 | 364 | 409 | 448 | 498 | 530 | 579 |
| | 48 | 258 | 301 | 345 | 390 | 437 | 478 | 532 | 566 | 618 |
| | 56 | 293 | 343 | 390 | 442 | 498 | 543 | 605 | 638 | 691 |
| | 60 | 312 | 364 | 416 | 471 | 525 | 579 | 638 | 674 | 730 |

Any sizeable quantities, call for discounts

3 - 5 Day lead time Standard. Add 30 % for 1-2 day lead time (Mill Finish).

Baked Enamel (50% Kynar) Finish from Standard Color Charts Add 40% and add 3 days to lead time 20 Yr Finish Warranty

STANDARD CONSTRUCTION

FRAME

4" (102) deep, 6063T5 extruded aluminum with .080" (2) nominal wall thickness. Box or integral f ange frames are available. Caulking slots provided on box frame.

BLADES

6063T5 extruded aluminum with .063" (1.6) nominal wall thickness. J-style blades (formerly "weatherproof") are positioned at 45° angle and spaced approximately 5" (127) center to center.

SCREEN

3/4" .051" (19 x 1.3) expanded, f attened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.

FINISH MILL

MINIMUM SIZE

12" w x 12" h (305 x 305).

MAXIMUM SIZE

60" w x 60" h (1524 x 1524).

Free Area Guide Model GFL800 Louver

| SIZE | WIDTH | | | | | | | | | |
|--------|-------|------|------|------|------|------|------|------|-------|-------|
| | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | |
| HEIGHT | 12 | 0.17 | 0.27 | 0.38 | 0.48 | 0.58 | 0.69 | 0.79 | 0.9 | 1 |
| | 18 | 0.43 | 0.69 | 0.95 | 1.2 | 1.46 | 1.72 | 1.98 | 2.24 | 2.49 |
| | 24 | 0.69 | 1.11 | 1.52 | 1.93 | 2.35 | 2.76 | 3.18 | 3.59 | 4.01 |
| | 30 | 0.95 | 1.52 | 2.09 | 2.66 | 3.23 | 3.81 | 4.38 | 4.95 | 5.52 |
| | 36 | 1.21 | 1.94 | 2.67 | 3.39 | 4.12 | 4.85 | 5.58 | 6.3 | 7.03 |
| | 42 | 1.25 | 2.04 | 2.83 | 3.62 | 4.41 | 5.2 | 5.99 | 6.78 | 7.57 |
| | 48 | 1.58 | 2.52 | 3.47 | 4.42 | 5.36 | 6.31 | 7.26 | 8.2 | 9.15 |
| | 54 | 1.84 | 2.94 | 4.04 | 5.15 | 6.25 | 7.35 | 8.46 | 9.56 | 10.66 |
| | 60 | 2.1 | 3.36 | 4.62 | 5.88 | 7.14 | 8.4 | 9.66 | 10.91 | 12.1 |

Example:

1000 CFM intake required.

1000 CFM divided by 500 FPM (safe velocity) Equals 2 Sq. Ft of free area.

Select 12 x 60, 18 x 42, or 24 x 30.

Pressure Drop at 500 FPM = .06

Pressure Srop at 700 FPM = .12

Pressure Drop at 1000 FPM = .24



Non-Stock Products

Gas Fired Unit Heaters



GG030 THRU GG120 Horizontal Unit



TF 150 THRU TF 400 Vertical Unit

Model "GG/TF"

The "TF" is a propeller type unit heater that combines the latest tubular heat exchanger and inshot burner technology with the quality and reliability you have come to know with Sterling. Available in two cabinet styles, Low Profile (sizes 30 -90 MBH) and Vertical type (100 -400 MBH).

All units are 115 volt, Single Stage.

| MODEL | GG030 | GG045 | GG060 | GG075 | GG090 | GG105 | GG120 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|
| Base LIST | 1181.88 | 1243.62 | 1311.66 | 1359.54 | 1493.10 | 1624.14 | 1736.28 |
| 409 Heat Xchg | - | - | - | - | - | 192.78 | 215.46 |
| 1/2 - 2 PSI Reg | 190.26 | 190.26 | 190.26 | 190.26 | 190.26 | 190.26 | 190.26 |
| T834H T-Stat | 69.30 | 66.00 | 66.00 | 66.00 | 66.00 | 66.00 | 66.00 |
| Tstat Guard | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 |
| 30° Nozzle | - | - | - | - | - | - | - |
| 60° Nozzle | - | - | - | - | - | - | - |
| 90° Nozzle | - | - | - | - | - | - | - |
| Vertical Louver | - | - | - | - | - | - | - |
| Weight | 70 | 74 | 92 | 97 | 115 | 145 | 148 |

Standard Features:

- 20 gauge tubular heat exchangers
- 9 sizes ranging from 100 to 400 MBH
- Inshot type burner
- Hot surface pilot ignition system
- 20 gauge jacket panels w/baked enamel finish
- Power vented
- Easy access control panel
- Certified for category I and III venting
- Terminal strip low voltage wiring
- 81% thermal efficiency
- 10 year warranty
- Factory fire tested

| MODEL | TF150 | TF175 | TF200 | TF250 | TF300 | TF350 | TF400 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|
| Base LIST | 1824.48 | 2073.96 | 2259.18 | 2492.28 | 2933.28 | 3495.24 | 3672.90 |
| 409 Heat Xchg | 517.86 | 459.90 | 687.96 | 763.56 | 1002.96 | 1204.56 | 1335.60 |
| 1/2 - 2 PSI Reg | 190.26 | 190.26 | 190.26 | 190.26 | 190.26 | 190.26 | 190.26 |
| T834H T-Stat | 66.00 | 66.00 | 66.00 | 66.00 | 66.00 | 66.00 | 66.00 |
| Tstat Guard | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 | 42.00 |
| 30° Nozzle | 81.90 | 98.28 | 98.28 | 98.28 | 118.44 | 118.44 | 118.44 |
| 60° Nozzle | 139.86 | 165.06 | 165.06 | 165.06 | 189.00 | 189.00 | 189.00 |
| 90° Nozzle | 209.16 | 245.70 | 245.70 | 245.70 | 284.76 | 284.76 | 284.76 |
| Vertical Louver | 54.18 | 59.22 | 59.22 | 59.22 | 70.56 | 70.56 | 70.56 |
| Weight | 195 | 241 | 251 | 261 | 367 | 381 | 395 |

Over 1000 Lbs is Full Freight included - Under 1000 Lbs is Plus Freight From Factory

Unit Heaters are not a stock item in East Hartford. Std Lead time is 2-5 weeks depending on season and demand.

Average Lead time is 2 - 3 Weeks

10% add for Unit Heaters desired on quick ship from the Sterling Distribution Warehouse in Massachusetts if available.

QVF lower Priced Heater Avail. without Spark Ign. and Power Venter - Call for Pricing

Other Sterlings Products available include - Separated Combustion Heaters, Duct Furnaces, Steam and Hot Water Unit Heaters, Roof Top Heating and Ventilation Units.

Sterling Industrial Products include Direct Fire MUA Units, Indirect Fire Rooftop, Heating and Ventilating Units, Packaged Htg/Cooling 100% OA units, Kitchen MUA/Exhaust Packages

