



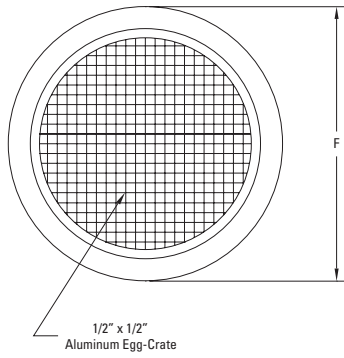
AIRCONCEPTS

AIR DISTRIBUTION PRODUCTS

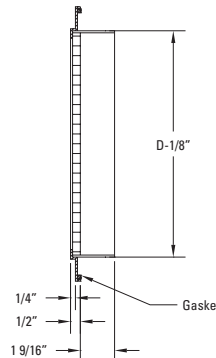


REC SERIES

REC Wall/Ceiling Mount



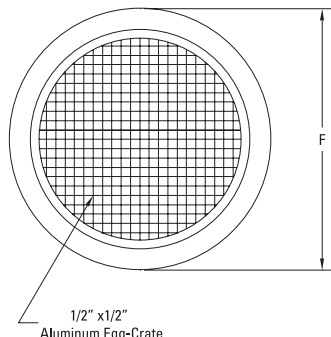
1/2" x 1/2"
Aluminum Egg-Crate
*Concealed mounting system
*Optional flex duct collar available



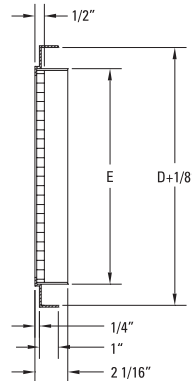
REC Dimensions in Inches

| MODEL | SIZE | D | F |
|--------|------|----|--------------------------------|
| REC-06 | 6 | 6 | 8 ¹ / ₄ |
| REC-08 | 8 | 8 | 10 ¹ / ₄ |
| REC-10 | 10 | 10 | 12 ¹ / ₄ |
| REC-12 | 12 | 12 | 14 ¹ / ₄ |
| REC-14 | 14 | 14 | 16 ¹ / ₄ |
| REC-16 | 16 | 16 | 18 ¹ / ₄ |
| REC-18 | 18 | 18 | 20 ¹ / ₄ |
| REC-20 | 20 | 20 | 22 ¹ / ₄ |
| REC-22 | 22 | 22 | 24 ¹ / ₄ |
| REC-24 | 24 | 24 | 26 ¹ / ₄ |
| REC-30 | 30 | 30 | 32 ¹ / ₄ |

REC-RD Exposed Round Duct



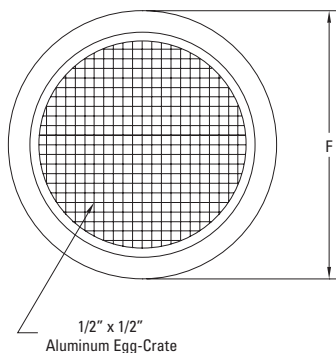
1/2" x 1/2"
Aluminum Egg-Crate



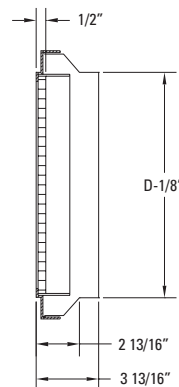
REC-RD Dimensions in Inches

| MODEL | SIZE | D | E | F |
|-----------|------|----|----|--------------------------------|
| REC-06-RD | 6 | 8 | 6 | 8 ¹ / ₄ |
| REC-08-RD | 8 | 10 | 8 | 10 ¹ / ₄ |
| REC-10-RD | 10 | 12 | 10 | 12 ¹ / ₄ |
| REC-12-RD | 12 | 14 | 12 | 14 ¹ / ₄ |
| REC-14-RD | 14 | 16 | 14 | 16 ¹ / ₄ |
| REC-16-RD | 16 | 18 | 16 | 18 ¹ / ₄ |
| REC-18-RD | 18 | 20 | 18 | 20 ¹ / ₄ |
| REC-20-RD | 20 | 22 | 20 | 22 ¹ / ₄ |
| REC-22-RD | 22 | 24 | 22 | 24 ¹ / ₄ |
| REC-24-RD | 24 | 26 | 24 | 26 ¹ / ₄ |
| REC-30-RD | 30 | 32 | 30 | 32 ¹ / ₄ |

REC-RR Exposed Round Duct



1/2" x 1/2"
Aluminum Egg-Crate



REC-RR Dimensions in Inches

| MODEL | SIZE | D | F |
|-----------|------|----|--------------------------------|
| REC-06-RR | 6 | 6 | 8 ¹ / ₄ |
| REC-08-RR | 8 | 8 | 10 ¹ / ₄ |
| REC-10-RR | 10 | 10 | 12 ¹ / ₄ |
| REC-12-RR | 12 | 12 | 14 ¹ / ₄ |
| REC-14-RR | 14 | 14 | 16 ¹ / ₄ |
| REC-16-RR | 16 | 16 | 18 ¹ / ₄ |
| REC-18-RR | 18 | 18 | 20 ¹ / ₄ |
| REC-20-RR | 20 | 20 | 22 ¹ / ₄ |
| REC-22-RR | 22 | 22 | 24 ¹ / ₄ |
| REC-24-RR | 24 | 24 | 26 ¹ / ₄ |

Architectural Grille

Can be utilized for supply, return, or exhaust air

Construction

1/2" x 1/2" aluminum egg crate
Heavy gauge aluminum

Finishes

Standard: #52 White powder coat
Optional standard: #00 Mill #12 Anodized powder coat
#42 Gloss black powder coat
#43 Flat black powder coat
#62 Grey prime powder coat
#72 Silver metallic powder coat
Custom colors available

performance data based on ASHRAE 70-91

| MODEL | Duct Velocity Velocity Pressure | 400 | 600 | 800 | 1000 | 1200 | 1400 | 1600 |
|--------|------------------------------------|----------|-----------|-----------|-----------|------------|------------|------------|
| | | 0.010 | 0.022 | 0.040 | 0.062 | 0.090 | 0.122 | 0.160 |
| REC-06 | CFM | 79 | 118 | 157 | 196 | 236 | 275 | 314 |
| | Static Pressure [exhaust] | -0.040 | -0.091 | -0.162 | -0.255 | -0.363 | -0.500 | -0.652 |
| | NC [exhaust] | <15 | 22 | 32 | 39 | 45 | 50 | 54 |
| | Static Pressure [supply] | 0.015 | 0.034 | 0.053 | 0.096 | 0.133 | 0.183 | 0.233 |
| | NC [supply] | <15 | <15 | 21 | 29 | 35 | 41 | 46 |
| REC-08 | Projection [supply] | 4-8-15 | 6-12-21 | 8-14-24 | 10-16-28 | 13-21-30 | 15-22-32 | 17-24-34 |
| | CFM | 140 | 209 | 279 | 349 | 419 | 489 | 559 |
| | Static Pressure [exhaust] | -0.036 | -0.080 | -0.142 | -0.223 | -0.320 | -0.432 | -0.568 |
| | NC [exhaust] | <15 | 22 | 31 | 38 | 44 | 49 | 53 |
| | Static Pressure [supply] | 0.012 | 0.027 | 0.048 | 0.076 | 0.109 | 0.148 | 0.192 |
| REC-10 | NC [supply] | <15 | <15 | 19 | 27 | 33 | 39 | 44 |
| | Projection [supply] | 5-10-20 | 8-16-27 | 11-21-32 | 14-25-36 | 17-28-39 | 20-30-41 | 21-32-45 |
| | CFM | 218 | 327 | 436 | 545 | 655 | 764 | 873 |
| | Static Pressure [exhaust] | -0.033 | -0.073 | -0.130 | -0.203 | -0.293 | -0.397 | -0.522 |
| | NC [exhaust] | <15 | 22 | 31 | 38 | 44 | 48 | 52 |
| REC-12 | Static Pressure [supply] | 0.010 | 0.024 | 0.042 | 0.066 | 0.095 | 0.130 | 0.169 |
| | NC [supply] | <15 | <15 | 18 | 26 | 32 | 38 | 42 |
| | Projection [supply] | 6-12-24 | 9-17-32 | 14-26-37 | 17-31-45 | 21-34-47 | 25-37-52 | 29-40-56 |
| | CFM | 314 | 471 | 628 | 786 | 943 | 1100 | 1257 |
| | Static Pressure [exhaust] | -0.031 | -0.070 | -0.123 | -0.194 | -0.278 | -0.384 | -0.495 |
| REC-14 | NC [exhaust] | <15 | 22 | 32 | 38 | 45 | 49 | 53 |
| | Static Pressure [supply] | 0.010 | 0.022 | 0.038 | 0.061 | 0.086 | 0.119 | 0.154 |
| | NC [supply] | <15 | <15 | 18 | 25 | 31 | 37 | 41 |
| | Projection [supply] | 7-15-30 | 12-24-40 | 16-33-47 | 20-37-53 | 25-41-59 | 29-45-65 | 33-48-74 |
| | CFM | 428 | 641 | 855 | 1069 | 1283 | 1497 | 1711 |
| REC-16 | Static Pressure [exhaust] | -0.030 | -0.067 | -0.119 | -0.186 | -0.267 | -0.365 | -0.475 |
| | NC [exhaust] | <15 | 23 | 32 | 39 | 45 | 50 | 54 |
| | Static Pressure [supply] | 0.009 | 0.021 | 0.036 | 0.055 | 0.083 | 0.111 | 0.145 |
| | NC [supply] | <15 | <15 | 18 | 25 | 31 | 37 | 41 |
| | Projection [supply] | 8-18-37 | 14-28-47 | 18-38-55 | 23-44-61 | 30-48-70 | 34-52-74 | 38-56-83 |
| REC-18 | CFM | 559 | 838 | 1117 | 1396 | 1676 | 1955 | 2234 |
| | Static Pressure [exhaust] | -0.029 | -0.065 | -0.116 | -0.181 | -0.260 | -0.354 | -0.465 |
| | NC [exhaust] | <15 | 23 | 33 | 40 | 45 | 50 | 54 |
| | Static Pressure [supply] | 0.009 | 0.020 | 0.034 | 0.055 | 0.078 | 0.106 | 0.138 |
| | NC [supply] | <15 | <15 | 18 | 25 | 31 | 37 | 41 |
| REC-20 | Projection [supply] | 10-20-40 | 15-30-53 | 22-44-65 | 28-50-72 | 34-54-80 | 40-60-85 | 45-64-90 |
| | CFM | 707 | 1060 | 1414 | 1767 | 2121 | 2474 | 2828 |
| | Static Pressure [exhaust] | -0.028 | -0.064 | -0.114 | -0.177 | -0.255 | -0.346 | -0.454 |
| | NC [exhaust] | <15 | 23 | 33 | 40 | 45 | 50 | 54 |
| | Static Pressure [supply] | 0.008 | 0.020 | 0.033 | 0.052 | 0.075 | 0.103 | 0.133 |
| REC-22 | NC [supply] | <15 | <15 | 19 | 26 | 32 | 38 | 42 |
| | Projection [supply] | 11-22-44 | 18-36-61 | 25-50-72 | 31-57-80 | 40-63-89 | 45-67-95 | 50-71-101 |
| | CFM | 873 | 1309 | 1746 | 2182 | 2618 | 3055 | 3491 |
| | Static Pressure [exhaust] | -0.028 | -0.063 | -0.111 | -0.174 | -0.250 | -0.342 | -0.446 |
| | NC [exhaust] | <15 | 25 | 35 | 41 | 47 | 52 | 56 |
| REC-24 | Static Pressure [supply] | 0.008 | 0.019 | 0.033 | 0.051 | 0.073 | 0.099 | 0.128 |
| | NC [supply] | <15 | <15 | 19 | 26 | 32 | 38 | 42 |
| | Projection [supply] | 12-24-49 | 20-40-68 | 27-53-80 | 35-63-89 | 44-68-99 | 51-74-105 | 56-78-112 |
| | CFM | 1056 | 1584 | 2112 | 2640 | 3168 | 3696 | 4224 |
| | Static Pressure [exhaust] | -0.027 | -0.061 | -0.110 | -0.171 | -0.246 | -0.336 | -0.439 |
| REC-26 | NC [exhaust] | <15 | 25 | 35 | 41 | 47 | 52 | 56 |
| | Static Pressure [supply] | 0.008 | 0.018 | 0.031 | 0.049 | 0.070 | 0.096 | 0.125 |
| | NC [supply] | <15 | <15 | 20 | 27 | 33 | 39 | 43 |
| | Projection [supply] | 13-27-54 | 22-44-74 | 30-57-85 | 37-68-98 | 47-76-110 | 57-85-120 | 60-87-123 |
| | CFM | 1257 | 1885 | 2514 | 3142 | 3770 | 4399 | 5027 |
| REC-28 | Static Pressure [exhaust] | -0.027 | -0.061 | -0.108 | -0.170 | -0.244 | -0.331 | -0.435 |
| | NC [exhaust] | <15 | 25 | 35 | 41 | 47 | 52 | 56 |
| | Static Pressure [supply] | 0.008 | 0.018 | 0.031 | 0.049 | 0.070 | 0.094 | 0.123 |
| | NC [supply] | <15 | <15 | 21 | 28 | 35 | 40 | 44 |
| | Projection [supply] | 14-29-60 | 24-48-81 | 33-66-95 | 41-75-106 | 50-84-116 | 58-88-124 | 66-95-130 |
| REC-30 | CFM | 1960 | 2940 | 3920 | 4900 | 5880 | 6860 | 7840 |
| | Static Pressure [exhaust] | -0.040 | -0.086 | -0.160 | -0.252 | -0.344 | -0.492 | -0.640 |
| | NC [exhaust] | <15 | 27 | 36 | 43 | 48 | 54 | 58 |
| | Static Pressure [supply] | 0.010 | 0.024 | 0.041 | 0.068 | 0.096 | 0.130 | 0.164 |
| | NC [supply] | <15 | <15 | 20 | 27 | 33 | 38 | 42 |
| REC-32 | Projection [supply] | 17-34-69 | 30-60-102 | 41-82-123 | 50-90-129 | 60-101-141 | 69-107-150 | 78-116-157 |

performance data based on ASHRAE 70-06

Projection: Projection distance [THROW] in feet from the Nozzle discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt].

Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face [THROW] 200 fpm, 100fpm and 50 fpm respectively.

Airflow CFM: Standard air density and isothermal conditions.

Static Pressure: Inches of water gauge required.

Noise Criteria: Noise criteria [NC] curve which is not exceeded with a Room Attenuation of 10db and based on Sound Power Level Re: 10-12 watts.

