

**377 Return Air Grille (Page 9)  
359 Filter Grille (Page 13)**

**Engineering Data**

| Face Velocity* |     | 300  | 400  | 500  | 600  |
|----------------|-----|------|------|------|------|
| 6 x 4          | CFM | 33   | 44   | 55   | 66   |
| Ak .111        | Ps  | .010 | .018 | .029 | .041 |
| 6 x 6          | CFM | 50   | 67   | 83   | 100  |
| Ak .167        | Ps  | .010 | .018 | .029 | .041 |
| 8 x 4          | CFM | 44   | 59   | 74   | 89   |
| Ak .148        | Ps  | .010 | .018 | .029 | .041 |
| 8 x 6          | CFM | 67   | 89   | 112  | 134  |
| Ak .223        | Ps  | .010 | .018 | .029 | .041 |
| 8 x 8          | CFM | 90   | 120  | 150  | 179  |
| Ak .299        | Ps  | .010 | .018 | .029 | .041 |
| 10 x 4         | CFM | 56   | 74   | 93   | 111  |
| Ak .186        | Ps  | .010 | .018 | .029 | .041 |
| 10 x 6         | CFM | 84   | 112  | 140  | 168  |
| Ak .280        | Ps  | .010 | .018 | .029 | .041 |
| 10 x 8         | CFM | 112  | 150  | 187  | 225  |
| Ak .375        | Ps  | .010 | .018 | .029 | .041 |
| 10 x 10        | CFM | 141  | 188  | 235  | 282  |
| Ak .470        | Ps  | .010 | .018 | .029 | .041 |
| 12 x 6         | CFM | 101  | 135  | 168  | 202  |
| Ak .337        | Ps  | .010 | .018 | .029 | .041 |
| 12 x 8         | CFM | 135  | 180  | 226  | 271  |
| Ak .451        | Ps  | .010 | .018 | .029 | .041 |
| 12 x 10        | CFM | 170  | 226  | 283  | 339  |
| Ak .566        | Ps  | .010 | .018 | .029 | .041 |
| 12 x 12        | CFM | 204  | 272  | 340  | 408  |
| Ak .681        | Ps  | .010 | .018 | .029 | .041 |
| 12 x 18        | CFM | 308  | 411  | 513  | 616  |
| Ak 1.027       | Ps  | .010 | .018 | .029 | .041 |
| 14 x 6         | CFM | 118  | 158  | 197  | 236  |
| Ak .394        | Ps  | .010 | .018 | .029 | .041 |
| 14 x 8         | CFM | 158  | 211  | 264  | 316  |
| Ak .527        | Ps  | .010 | .018 | .029 | .041 |
| 14 x 10        | CFM | 198  | 265  | 331  | 397  |
| Ak .661        | Ps  | .010 | .018 | .029 | .041 |
| 14 x 12        | CFM | 239  | 318  | 398  | 477  |
| Ak .796        | Ps  | .010 | .018 | .029 | .041 |
| 14 x 14        | CFM | 279  | 372  | 465  | 558  |
| Ak .930        | Ps  | .010 | .018 | .029 | .041 |
| 14 x 18        | CFM | 360  | 480  | 600  | 720  |
| Ak 1.200       | Ps  | .010 | .018 | .029 | .041 |

| Face Velocity* |     | 300  | 400  | 500  | 600  |
|----------------|-----|------|------|------|------|
| 16 x 6         | CFM | 135  | 180  | 226  | 271  |
| Ak .451        | Ps  | .010 | .018 | .029 | .041 |
| 16 x 8         | CFM | 181  | 242  | 302  | 362  |
| Ak .604        | Ps  | .010 | .018 | .029 | .041 |
| 16 x 10        | CFM | 227  | 303  | 379  | 454  |
| Ak .757        | Ps  | .010 | .018 | .029 | .041 |
| 16 x 12        | CFM | 273  | 364  | 455  | 547  |
| Ak .911        | Ps  | .010 | .018 | .029 | .041 |
| 16 x 14        | CFM | 320  | 426  | 533  | 639  |
| Ak 1.065       | Ps  | .010 | .018 | .029 | .041 |
| 16 x 16        | CFM | 366  | 488  | 610  | 732  |
| Ak 1.219       | Ps  | .010 | .018 | .029 | .041 |
| 16 x 24        | CFM | 552  | 736  | 920  | 1104 |
| Ak 1.840       | Ps  | .010 | .018 | .029 | .041 |
| 18 x 6         | CFM | 153  | 203  | 254  | 305  |
| Ak .508        | Ps  | .010 | .018 | .029 | .041 |
| 18 x 18        | CFM | 465  | 619  | 774  | 929  |
| Ak 1.548       | Ps  | .010 | .018 | .029 | .041 |
| 20 x 6         | CFM | 170  | 226  | 283  | 339  |
| Ak .566        | Ps  | .010 | .018 | .029 | .041 |
| 20 x 10        | CFM | 285  | 380  | 475  | 570  |
| Ak .949        | Ps  | .010 | .018 | .029 | .041 |
| 20 x 12        | CFM | 343  | 457  | 571  | 685  |
| Ak 1.142       | Ps  | .010 | .018 | .029 | .041 |
| 20 x 14        | CFM | 401  | 534  | 668  | 801  |
| Ak 1.335       | Ps  | .010 | .018 | .029 | .041 |
| 20 x 20        | CFM | 575  | 767  | 959  | 1150 |
| Ak 1.917       | Ps  | .010 | .018 | .029 | .041 |
| 20 x 24        | CFM | 692  | 923  | 1153 | 1384 |
| Ak 2.307       | Ps  | .010 | .019 | .029 | .042 |
| 20 x 25        | CFM | 721  | 962  | 1202 | 1442 |
| Ak 2.404       | Ps  | .010 | .019 | .029 | .042 |

| Face Velocity* |     | 300  | 400  | 500  | 600  |
|----------------|-----|------|------|------|------|
| 24 x 4         | CFM | 135  | 180  | 226  | 271  |
| Ak .451        | Ps  | .010 | .018 | .029 | .041 |
| 24 x 6         | CFM | 204  | 272  | 340  | 408  |
| Ak .681        | Ps  | .010 | .018 | .029 | .041 |
| 24 x 8         | CFM | 273  | 364  | 455  | 547  |
| Ak .911        | Ps  | .010 | .018 | .029 | .041 |
| 24 x 10        | CFM | 343  | 457  | 571  | 685  |
| Ak 1.142       | Ps  | .010 | .018 | .029 | .041 |
| 24 x 12        | CFM | 412  | 550  | 687  | 825  |
| Ak 1.374       | Ps  | .010 | .018 | .029 | .041 |
| 24 x 14        | CFM | 482  | 643  | 803  | 964  |
| Ak 1.607       | Ps  | .010 | .018 | .029 | .041 |
| 24 x 24        | CFM | 832  | 1110 | 1387 | 1665 |
| Ak 2.775       | Ps  | .010 | .019 | .029 | .042 |
| 30 x 4         | CFM | 170  | 226  | 283  | 339  |
| Ak .566        | Ps  | .010 | .018 | .029 | .041 |
| 30 x 6         | CFM | 256  | 341  | 427  | 512  |
| Ak .853        | Ps  | .010 | .018 | .029 | .041 |
| 30 x 8         | CFM | 343  | 457  | 571  | 685  |
| Ak 1.142       | Ps  | .010 | .018 | .029 | .041 |
| 30 x 10        | CFM | 430  | 573  | 716  | 859  |
| Ak 1.432       | Ps  | .010 | .018 | .029 | .041 |
| 30 x 12        | CFM | 517  | 689  | 862  | 1034 |
| Ak 1.723       | Ps  | .010 | .018 | .029 | .041 |
| 30 x 14        | CFM | 604  | 806  | 1007 | 1209 |
| Ak 2.015       | Ps  | .010 | .018 | .029 | .042 |
| 30 x 18        | CFM | 780  | 1040 | 1300 | 1560 |
| Ak 2.599       | Ps  | .010 | .019 | .029 | .042 |
| 30 x 20        | CFM | 868  | 1157 | 1446 | 1735 |
| Ak 2.892       | Ps  | .010 | .019 | .029 | .042 |
| 30 x 24        | CFM | 1044 | 1392 | 1740 | 2088 |
| Ak 3.479       | Ps  | .010 | .019 | .029 | .042 |
| 30 x 30        | CFM | 1309 | 1745 | 2181 | 2618 |
| Ak 4.363       | Ps  | .010 | .019 | .029 | .042 |
| 36 x 6         | CFM | 308  | 411  | 513  | 616  |
| Ak 1.027       | Ps  | .010 | .018 | .029 | .041 |
| 36 x 8         | CFM | 412  | 550  | 687  | 825  |
| Ak 1.374       | Ps  | .010 | .018 | .029 | .041 |

\*Filter grilles: Tested without filters. Typical capacity is 2 CFM per square inch of nominal filter area. Recommended face velocity is 300-450 FPM. Velocities higher will decrease filter performance, increase flow resistance, and possibly be of noise concern. Velocity measured 1" from face.