

| Size | CFM | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 |
|---|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2x10 Free Area 16 SQ. IN. | Pressure Loss(In. W.G.) | 0.017 | 0.037 | 0.067 | 0.124 | 0.178 | 0.243 | | | | | | | | | |
| | Horiz. Spread(Ft.) | 6.5 | 9.5 | 12.5 | 14 | 17 | 20 | | | | | | | | | |
| | Vertical Throw(Ft.) | 3.5 | 5.5 | 7.5 | 8.5 | 10 | 12 | | | | | | | | | |
| | Avg. Face Vel.(FPM) | 450 | 676 | 902 | 1218 | 1461 | 1704 | | | | | | | | | |
| 2x12 Free Area 19 SQ. IN. | Pressure Loss(In. W.G.) | 0.01 | 0.024 | 0.042 | 0.077 | 0.111 | 0.151 | 0.198 | | | | | | | | |
| | Horiz. Spread(Ft.) | 6 | 8.5 | 11.5 | 13 | 15.5 | 18 | 20.5 | | | | | | | | |
| | Vertical Throw(Ft.) | 3.5 | 5 | 6.5 | 7.5 | 9 | 10.5 | 12 | | | | | | | | |
| | Avg. Face Vel.(FPM) | 379 | 568 | 758 | 1033 | 1240 | 1447 | 1653 | | | | | | | | |
| 2x14 SQ. IN. 22 SQ. IN. | Pressure Loss(In. W.G.) | 0.009 | 0.02 | 0.036 | 0.069 | 0.099 | 0.135 | 0.175 | 0.222 | | | | | | | |
| | Horiz. Spread(Ft.) | 5.5 | 8 | 10.5 | 12 | 14 | 16.5 | 19 | 21 | | | | | | | |
| | Vertical Throw(Ft.) | 3 | 4.5 | 6 | 7 | 8.5 | 10 | 11 | 12.5 | | | | | | | |
| | Avg. Face Vel.(FPM) | 327 | 490 | 654 | 880 | 1162 | 1355 | 1549 | 1743 | | | | | | | |
| 4x10 Free Area 28 SQ. IN. | Pressure Loss(In. W.G.) | 0.004 | 0.009 | 0.016 | 0.025 | 0.036 | 0.049 | 0.063 | 0.081 | 0.099 | 0.117 | 0.140 | | | | |
| | Horiz. Spread(Ft.) | 5.0 | 7.0 | 9.5 | 11.5 | 14.0 | 16.5 | 19.0 | 21.0 | 23.5 | 26.0 | 28.0 | | | | |
| | Vertical Throw(Ft.) | 3.0 | 4.0 | 5.5 | 7.0 | 8.0 | 9.5 | 11.0 | 12.0 | 13.5 | 15.0 | 16.5 | | | | |
| | Avg. Face Vel.(FPM) | 258 | 387 | 516 | 644 | 773 | 902 | 1031 | 1160 | 1289 | 1418 | 1547 | | | | |
| 4x12 Free Area 34 SQ. IN. | Pressure Loss(In. W.G.) | 0.003 | 0.007 | 0.013 | 0.020 | 0.029 | 0.040 | 0.051 | 0.065 | 0.080 | 0.097 | 0.111 | 0.130 | | | |
| | Horiz. Spread(Ft.) | 4.5 | 6.5 | 8.5 | 10.5 | 12.5 | 15.0 | 17.0 | 19.0 | 21.5 | 23.5 | 25.5 | 27.5 | | | |
| | Vertical Throw(Ft.) | 2.5 | 3.5 | 5.0 | 6.0 | 7.5 | 8.5 | 10.0 | 11.5 | 12.5 | 13.5 | 15.0 | 16.0 | | | |
| | Avg. Face Vel.(FPM) | 212 | 318 | 424 | 530 | 636 | 742 | 848 | 954 | 1060 | 1165 | 1271 | 1377 | | | |
| 4x14 Free Area 40 SQ. IN. | Pressure Loss(In. W.G.) | | 0.005 | 0.009 | 0.014 | 0.019 | 0.027 | 0.034 | 0.044 | 0.053 | 0.065 | 0.076 | 0.090 | 0.102 | 0.118 | 0.131 |
| | Horiz. Spread(Ft.) | | 6.0 | 8.0 | 10.0 | 12.0 | 14.0 | 16.0 | 18.0 | 20.0 | 22.0 | 24.0 | 26.0 | 28.0 | 30.0 | 32 |
| | Vertical Throw(Ft.) | | 3.5 | 4.5 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.5 | 12.5 | 13.5 | 15.0 | 16.0 | 17.0 | 18 |
| | Avg. Face Vel.(FPM) | | 270 | 360 | 450 | 540 | 630 | 720 | 810 | 900 | 990 | 1079 | 1169 | 1259 | 1349 | 1439 |
| 6x10 Free Area 43 Sq.IN. | Pressure Loss(In. W.G.) | | | 0.006 | 0.009 | 0.013 | 0.018 | 0.023 | 0.030 | 0.036 | 0.044 | 0.052 | 0.062 | 0.071 | 0.082 | 0.093 |
| | Horiz. Spread(Ft.) | | | 7.5 | 9.5 | 11.5 | 13.0 | 15.0 | 17.0 | 19.0 | 20.5 | 22.5 | 24.5 | 26.0 | 28.0 | 30.0 |
| | Vertical Throw(Ft.) | | | 4.5 | 5.5 | 6.5 | 7.5 | 8.5 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.5 | 16.5 | 17.5 |
| | Avg. Face Vel.(FPM) | | | 334 | 418 | 502 | 585 | 669 | 753 | 837 | 920 | 1004 | 1087 | 1170 | 1253 | 1337 |
| 6x12 Free Area 51 SQ. IN. | Pressure Loss(In. W.G.) | | | 0.005 | 0.008 | 0.012 | 0.016 | 0.021 | 0.027 | 0.033 | 0.040 | 0.047 | 0.056 | 0.064 | 0.074 | 0.084 |
| | Horiz. Spread(Ft.) | | | 7.0 | 8.5 | 10.0 | 12.0 | 13.5 | 15.5 | 17.0 | 19.0 | 20.5 | 22.0 | 24.0 | 25.5 | 27.5 |
| | Vertical Throw(Ft.) | | | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 |
| | Avg. Face Vel.(FPM) | | | 282 | 353 | 423 | 494 | 565 | 635 | 706 | 777 | 847 | 918 | 989 | 1059 | 1130 |
| 6x14 Free Area 59 SQ. IN. | Pressure Loss(In. W.G.) | | | 0.004 | 0.007 | 0.010 | 0.014 | 0.018 | 0.023 | 0.028 | 0.035 | 0.041 | 0.048 | 0.056 | 0.064 | 0.073 |
| | Horiz. Spread(Ft.) | | | 6.5 | 8.0 | 9.5 | 11.0 | 12.5 | 14.0 | 15.5 | 17.0 | 19.0 | 20.5 | 22.0 | 23.5 | 25.0 |
| | Vertical Throw(Ft.) | | | 3.5 | 4.5 | 5.5 | 6.5 | 7.5 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 | 13.0 | 13.5 | 14.5 |
| | Avg. Face Vel.(FPM) | | | 244 | 305 | 366 | 427 | 488 | 549 | 610 | 671 | 732 | 793 | 854 | 915 | 976 |

150-O Floor Register w/OBD

| | | | | | | | | |
|---------------------|-------|------|-------|-------|-------|------|------|-------|
| Face Jet Velocity | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
| Total Pressure Loss | 0.006 | 0.01 | 0.016 | 0.022 | 0.031 | 0.04 | 0.05 | 0.062 |

| Size | Free Area | | | | | | | | | |
|----------------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 2.25x10 | 15 | CFM | 25 | 35 | 45 | 55 | 60 | 70 | 80 | 90 |
| | | Throw | 2 | 2.5 | 3 | 4 | 4.5 | 5 | 6 | 6.5 |
| 2.25x12 | 19 | CFM | 35 | 45 | 55 | 65 | 75 | 9 | 100 | 110 |
| | | Throw | 2 | 3 | 3.5 | 4 | 5 | 6 | 6.5 | 7 |
| 2.25x14 | 22 | CFM | 40 | 50 | 65 | 80 | 90 | 105 | 115 | 130 |
| | | Throw | 2.5 | 3 | 4 | 4.5 | 5.5 | 6.5 | 7 | 8 |
| 4x10 | 29 | CFM | 50 | 70 | 85 | 100 | 120 | 135 | 155 | 170 |
| | | Throw | 3 | 3.5 | 4.5 | 5.5 | 6.5 | 7 | 8 | 9 |
| 4x12 | 35 | CFM | 65 | 85 | 105 | 125 | 145 | 170 | 190 | 210 |
| | | Throw | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 4x14 | 40 | CFM | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 |
| | | Throw | 3.5 | 4.5 | 5.5 | 6.5 | 7.5 | 9 | 10 | 11 |
| 6x10 | 44 | CFM | 80 | 110 | 135 | 160 | 190 | 215 | 245 | 270 |
| | | Throw | 3.5 | 4.5 | 6 | 7 | 8 | 9 | 10.5 | 11.5 |
| 6x12 | 53 | CFM | 100 | 130 | 165 | 200 | 230 | 265 | 295 | 330 |
| | | Throw | 4 | 5 | 6.5 | 7.5 | 9 | 10 | 11.5 | 12.5 |
| 6x14 | 60 | CFM | 115 | 155 | 195 | 235 | 275 | 310 | 350 | 390 |
| | | Throw | 4.5 | 5.5 | 7 | 8.5 | 10 | 11 | 12.5 | 14 |

Terminal Velocity 50FPM