

2004CD Step Down Supply Diffuser

| NECK SIZE  | NECK VELOCITY | 400   | 500   | 600   | 700   | 800   | 900    | 1000  | 1200  | 1400  | 1600  |
|------------|---------------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| <b>6"</b>  | AIR FLOW, CFM | 80    | 100   | 120   | 135   | 155   | 175    | 195   | 235   | 275   | 315   |
|            | Ps            | 0.008 | 0.012 | 0.017 | 0.021 | 0.026 | 0.035  | 0.043 | 0.063 | 0.086 | 0.112 |
|            | Throw         | 2     | 3     | 3     | 3.5   | 4     | 4.5    | 5     | 6     | 7     | 8     |
|            | NC            | -     | -     | -     | -     | -     | -      | 20    | 25    | 30    | 35    |
| <b>8"</b>  | AIR FLOW, CFM | 140   | 175   | 210   | 245   | 280   | 315    | 350   | 420   | 490   | 560   |
|            | Ps            | 0.01  | 0.015 | 0.022 | 0.029 | 0.036 | 0.049  | 0.06  | 0.086 | 0.117 | 0.15  |
|            | Throw         | 3.5   | 4.5   | 5.5   | 6.5   | 7     | 8      | 9     | 10.5  | 12.5  | 14.5  |
|            | NC            | -     | -     | -     | -     | 20    | 25     | 30    | 35    | 35    | 40    |
| <b>10"</b> | AIR FLOW, CFM | 220   | 270   | 325   | 380   | 435   | 490    | 545   | 655   | 765   | 870   |
|            | Ps            | 0.014 | 0.021 | 0.03  | 0.041 | 0.54  | 0.0068 | 0.084 | 0.122 | 0.167 | 0.212 |
|            | Throw         | 5.5   | 7     | 8.5   | 10    | 11    | 12.5   | 14    | 17    | 19.5  | 22    |
|            | NC            | -     | -     | -     | 20    | 25    | 30     | 35    | 35    | 40    | 45    |
| <b>12"</b> | AIR FLOW, CFM | 315   | 390   | 472   | 552   | 628   | 705    | 786   | 942   | 1100  | 1255  |
|            | Ps            | 0.015 | 0.023 | 0.033 | 0.045 | 0.06  | 0.072  | 0.094 | 0.132 | 0.18  | 0.23  |
|            | Throw         |       | 7.5   | 9     | 10.5  | 12    | 13.5   | 15    | 18    | 21    | 24    |
|            | NC            |       | -     | 20    | 25    | 30    | 35     | 35    | 40    | 45    | 45    |
| <b>14"</b> | AIR FLOW, CFM | 430   | 535   | 640   | 750   | 850   | 960    | 1070  | 1285  | 1500  | 1710  |
|            | Ps            | 0.023 | 0.036 | 0.51  | 0.71  | 0.93  | 0.115  | 0.14  | 0.205 | 0.277 | 0.55  |
|            | Throw         | 6.5   | 8     | 9.5   | 11.5  | 13    | 14.5   | 16    | 19    | 22.5  | 25    |
|            | NC            | -     | -     | 20    | 25    | 30    | 35     | 40    | 40    | 45    | 45    |

Terminal Velocity of 75 fpm