

91610, 91620, 91520

Stainless Steel Supply Grilles, Linear Bar



PERFORMANCE DATA | 91520 | ROUND NECK, 0° DEFL, 1/4" BARS, 1/2" BAR SPACING, NO DAMPER

| NOM DUCT | IP DATA | | | | SOUND | METRIC DATA | | | | |
|----------|----------|----------|------|--------------|-------|-------------|----------|----------|------|--------------|
| | NECK VEL | AIR FLOW | Ps | 1-CORE THROW | | NOM DUCT | NECK VEL | AIR FLOW | Ps | 1-CORE THROW |
| | in | fpm | cfm | in wg | | ft | NC | cm | m/s | l/s |
| 4 | 200 | 67 | .010 | 12 | <25 | 10.2 | 1.02 | 32 | 2.5 | 378 |
| | 400 | 133 | .040 | 15 | <25 | | 2.03 | 63 | 10.0 | 472 |
| | 600 | 200 | .090 | 17 | <25 | | 3.05 | 94 | 22.4 | 535 |
| | 800 | 267 | .160 | 19 | 32 | | 4.06 | 126 | 39.8 | 598 |
| 8 | 200 | 133 | .010 | 14 | <25 | 20.3 | 1.02 | 63 | 2.5 | 441 |
| | 400 | 267 | .040 | 18 | <25 | | 2.03 | 126 | 10.0 | 567 |
| | 600 | 400 | .090 | 21 | 26 | | 3.05 | 189 | 22.4 | 661 |
| | 800 | 533 | .160 | 26 | 35 | | 4.06 | 252 | 39.8 | 818 |
| 12 | 200 | 200 | .010 | 15 | <25 | 30.5 | 1.02 | 94 | 2.5 | 472 |
| | 400 | 400 | .040 | 21 | <25 | | 2.03 | 189 | 10.0 | 661 |
| | 600 | 600 | .090 | 25 | 28 | | 3.05 | 283 | 22.4 | 787 |
| | 800 | 800 | .160 | 28 | 36 | | 4.06 | 378 | 39.8 | 881 |

NOTES: Throw values are based on a 4 foot sill grille and 100 FPM vertical throw. Throw values are given for isothermal conditions. Sound data based on a 4 foot grille. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70-1991. For return use, pressure drop and NC levels are approximately the same.

LENGTH AND NC CORRECTION FACTORS

| ACTIVE LENGTH | 2.00 | 4.00 | 8.00 | 12.00 | 16.00 | 24.00 | 40+ |
|---------------------|-------|------|------|-------|-------|-------|-------|
| NC THROW CORRECTION | -3.00 | 0.00 | 3.00 | 5.00 | 6.00 | 8.00 | 10.00 |

GRILLES | STAINLESS STEEL