

Clippard

CONVERSION FACTORS

Length

| To Convert | | inch | | To | | millimeter | | Multiply By | | 25.40 | |
|------------|-------|------------|-------|-------|--------|------------|--------|-------------|--------|---------|--------|
| | | millimeter | | | | inch | | | | 0.03937 | |
| in | mm | in | mm | in | mm | in | mm | in | mm | in | mm |
| 0.025 | 0.635 | 0.200 | 5.080 | 0.375 | 9.525 | 0.550 | 13.970 | 0.725 | 18.415 | 0.900 | 22.860 |
| 0.050 | 1.270 | 0.225 | 5.715 | 0.400 | 10.160 | 0.575 | 14.605 | 0.750 | 19.050 | 0.925 | 23.495 |
| 0.075 | 1.905 | 0.250 | 6.350 | 0.425 | 10.795 | 0.600 | 15.240 | 0.775 | 19.685 | 0.950 | 24.130 |
| 0.100 | 2.540 | 0.275 | 6.985 | 0.450 | 11.430 | 0.625 | 15.875 | 0.800 | 20.320 | 0.975 | 24.765 |
| 0.125 | 3.175 | 0.300 | 7.620 | 0.475 | 12.065 | 0.650 | 16.510 | 0.825 | 20.955 | 1.000 | 25.400 |
| 0.150 | 3.810 | 0.325 | 8.255 | 0.500 | 12.700 | 0.675 | 17.145 | 0.850 | 21.590 | | |
| 0.175 | 4.445 | 0.350 | 8.890 | 0.525 | 13.335 | 0.700 | 17.780 | 0.875 | 22.225 | | |

Flow

| To Convert | | cfm (cubic ft./min.) | | To | | L / min (liters/min.) | | Multiply By | | 28.317 | |
|------------|---------|-----------------------|---------|------|---------|-----------------------|---------|-------------|---------|---------|---------|
| | | L / min (liters/min.) | | | | cfm (cubic ft./min.) | | | | 0.03531 | |
| cfm | L / min | cfm | L / min | cfm | L / min | cfm | L / min | cfm | L / min | cfm | L / min |
| 0.5 | 14.159 | 4.0 | 113.268 | 7.5 | 212.380 | 11.0 | 311.493 | 14.5 | 410.606 | 21.0 | 594.66 |
| 1.0 | 28.317 | 4.5 | 127.427 | 8.0 | 226.539 | 11.5 | 325.652 | 15.0 | 438.924 | 22.0 | 622.97 |
| 1.5 | 42.476 | 5.0 | 141.585 | 8.5 | 240.698 | 12.0 | 339.811 | 16.0 | 453.07 | 23.0 | 651.29 |
| 2.0 | 56.634 | 5.5 | 155.744 | 9.0 | 254.857 | 12.5 | 353.970 | 17.0 | 481.39 | 24.0 | 679.61 |
| 2.5 | 70.793 | 6.0 | 169.903 | 9.5 | 269.016 | 13.0 | 368.129 | 18.0 | 509.71 | 25.0 | 707.93 |
| 3.0 | 84.951 | 6.5 | 184.062 | 10.0 | 283.175 | 13.5 | 382.288 | 19.0 | 538.02 | | |
| 3.5 | 99.110 | 7.0 | 198.221 | 10.5 | 297.334 | 14.0 | 396.447 | 20.0 | 566.34 | | |

Pressure

| To Convert | | psig (lbs./sq.inch) | | To | | bars | | Multiply By | | 0.06895 | |
|------------|------|---------------------|------|------|------|---------------------|------|-------------|------|---------|------|
| | | bars | | | | psig (lbs./sq.inch) | | | | 14.50 | |
| psig | bars | psig | bars | psig | bars | psig | bars | psig | bars | psig | bars |
| 2.5 | 0.17 | 20.0 | 1.38 | 37.5 | 2.59 | 55.0 | 3.79 | 72.5 | 5.00 | 90.0 | 6.21 |
| 5.0 | 0.34 | 22.5 | 1.55 | 40.0 | 2.76 | 57.5 | 3.96 | 75.0 | 5.17 | 92.5 | 6.38 |
| 7.5 | 0.52 | 25.0 | 1.72 | 42.5 | 2.93 | 60.0 | 4.14 | 77.5 | 5.34 | 95.0 | 6.55 |
| 10.0 | 0.69 | 27.5 | 1.90 | 45.0 | 3.10 | 62.5 | 4.31 | 80.0 | 5.52 | 97.5 | 6.72 |
| 12.5 | 0.86 | 30.0 | 2.07 | 47.5 | 3.28 | 65.0 | 4.48 | 82.5 | 5.69 | 100.0 | 6.90 |
| 15.0 | 1.03 | 32.5 | 2.24 | 50.0 | 3.45 | 67.5 | 4.65 | 85.0 | 5.86 | | |
| 17.5 | 1.21 | 35.0 | 2.41 | 52.5 | 3.62 | 70.0 | 4.83 | 87.5 | 6.03 | | |

Force

| To Convert | | pounds (lbs.) | | To | | newtons (N) | | Multiply By | | 4.448 | |
|------------|-----|---------------|------|------|------|---------------|------|-------------|------|--------|------|
| | | newtons (N) | | | | pounds (lbs.) | | | | 0.2248 | |
| lbs. | N | lbs. | N | lbs. | N | lbs. | N | lbs. | N | lbs. | N |
| 0.25 | 1.1 | 2.00 | 8.9 | 3.75 | 16.7 | 5.50 | 24.5 | 7.25 | 32.2 | 9.00 | 40.0 |
| 0.50 | 2.2 | 2.25 | 10.0 | 4.00 | 17.8 | 5.75 | 25.6 | 7.50 | 33.4 | 9.25 | 41.1 |
| 0.75 | 3.3 | 2.50 | 11.1 | 4.25 | 18.9 | 6.00 | 26.7 | 7.75 | 34.5 | 9.50 | 42.3 |
| 1.00 | 4.4 | 2.75 | 12.2 | 4.50 | 20.0 | 6.25 | 27.8 | 8.00 | 35.6 | 9.75 | 43.4 |
| 1.25 | 5.6 | 3.00 | 13.3 | 4.75 | 21.1 | 6.50 | 28.9 | 8.25 | 36.7 | 10.00 | 44.5 |
| 1.50 | 6.7 | 3.25 | 14.5 | 5.00 | 22.2 | 6.75 | 30.0 | 8.50 | 37.8 | | |
| 1.75 | 7.8 | 3.50 | 15.6 | 5.25 | 23.4 | 7.00 | 31.1 | 8.75 | 38.9 | | |

Temperature

| To Convert | | Fahrenheit (°F) | | To | | Celsius (°C) | | Multiply By | | (°F - 32) / 1.8 | |
|------------|-------|-----------------|-------|-----|-------|-----------------|------|-------------|------|-----------------|------|
| | | Celsius (°C) | | | | Fahrenheit (°F) | | | | 1.8°C + 32 | |
| °F | °C | °F | °C | °F | °C | °F | °C | °F | °C | °F | °C |
| 5 | -15.0 | 40 | +4.4 | 75 | 23.9 | 110 | 43.3 | 145 | 62.8 | 180 | 82.2 |
| 10 | -12.2 | 45 | +7.2 | 80 | 26.7 | 115 | 46.1 | 150 | 65.6 | 185 | 85.0 |
| 15 | -9.4 | 50 | +10.0 | 85 | 28.9 | 120 | 48.9 | 155 | 68.3 | 190 | 87.8 |
| 20 | -6.7 | 55 | +12.8 | 90 | 32.2 | 125 | 51.7 | 160 | 71.1 | 195 | 90.6 |
| 25 | -3.9 | 60 | 15.6 | 95 | 35.0 | 130 | 54.4 | 165 | 73.9 | 200 | 93.3 |
| 30 | -1.1 | 65 | 18.3 | 100 | 37.8 | 135 | 57.2 | 170 | 76.7 | | |
| 35 | +1.7 | 70 | 21.1 | 105 | +40.6 | 140 | 60.0 | 175 | 79.4 | | |