

## LENGTH CONVERSION CHART

|           | Inches | Feet   | Yards  | Metres | Millimetres |
|-----------|--------|--------|--------|--------|-------------|
| 1 inch =  | -      | .0833  | .0277  | .0254  | 25.4        |
| 1 foot =  | 12     | -      | .3333  | .3048  | 304.8       |
| 1 yard =  | 36     | 3      | -      | .9144  | 914.4       |
| 1 metre = | 39.37  | 3.2808 | 1.0936 | -      | 1000        |
| 1 mm =    | .0394  | .0033  | .0011  | .001   | -           |

## PRESSURE CONVERSION CHARTS

|                      | Bars  | Atmosphere | mm/Hg | Meters head of water | ibf/in2 (psi) | in/Hg | Feet head of water |
|----------------------|-------|------------|-------|----------------------|---------------|-------|--------------------|
| 1 Bar =              | 1     | 0.97       | 750   | 10.2                 | 14.5          | 29.53 | 33.4               |
| 1 Atmosphere =       | 1.01  | 1          | 760   | 10.33                | 14.7          | 29.92 | 33.9               |
| 1 mm Hg =            | .0013 | .0013      | 1     | .0136                | .0193         | .0394 | .0446              |
| 1 m head of water =  | .9078 | .0968      | 73.56 | 1                    | 1.422         | 2.896 | 3.281              |
| 1 ibf/in2 (psi) =    | .069  | .068       | 51.71 | .7031                | 1             | 2.036 | 2.307              |
| 1 in Hg =            | .034  | .0334      | 25.40 | .3453                | .4911         | 1     | 1.133              |
| 1 ft head of water = | .03   | .0295      | 22.42 | .3048                | .4325         | .8827 | 1                  |

| Metric Units       |                         |
|--------------------|-------------------------|
| 1 kPa (Kilopascal) | = 0.145 psi = 0.01 bars |
| 1 MPa (Megapascal) | = 145.04 psi = 10 bars  |
| 1 kp/cm2           | = 14.2 psi = 0.98 bars  |
| 1 kgf/cm2          | = 14.2 psi = 0.98 bars  |

## TEMPERATURE CONVERSION CHART

Fahrenheit - Celsius (Centigrade)

| °C  | °F  | °C  | °F  | °C  | °F  | °C  | °F  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| -46 | -50 | -58 | 21  | 70  | 158 | 138 | 280 | 536 |
| -43 | -45 | -49 | 24  | 75  | 167 | 143 | 290 | 554 |
| -40 | -40 | -40 | 27  | 80  | 176 | 149 | 300 | 572 |
| -35 | -30 | -22 | 29  | 85  | 185 | 154 | 310 | 590 |
| -32 | -25 | -13 | 32  | 90  | 194 | 160 | 320 | 608 |
| -29 | -20 | -4  | 35  | 95  | 203 | 166 | 330 | 626 |
| -26 | -15 | +5  | 38  | 100 | 212 | 171 | 340 | 644 |
| -23 | -10 | 14  | 43  | 110 | 230 | 177 | 350 | 662 |
| -21 | -5  | 23  | 49  | 120 | 248 | 182 | 360 | 680 |
| -18 | 0   | 32  | 54  | 130 | 266 | 188 | 370 | 698 |
| -15 | +5  | 41  | 60  | 140 | 284 | 193 | 380 | 716 |
| -12 | 10  | 50  | 66  | 150 | 302 | 199 | 390 | 735 |
| -10 | 15  | 59  | 71  | 160 | 320 | 204 | 400 | 752 |
| -7  | 20  | 68  | 77  | 170 | 338 | 210 | 410 | 770 |
| -4  | 25  | 77  | 82  | 180 | 356 | 216 | 420 | 788 |
| -1  | 30  | 86  | 88  | 190 | 374 | 221 | 430 | 806 |
| 0   | 32  | 90  | 99  | 210 | 410 | 227 | 440 | 824 |
| +2  | 35  | 95  | 100 | 212 | 414 | 232 | 450 | 842 |
| 5   | 40  | 104 | 104 | 220 | 428 | 238 | 460 | 860 |
| 7   | 45  | 113 | 110 | 230 | 446 | 243 | 470 | 878 |
| 10  | 50  | 122 | 116 | 240 | 464 | 249 | 480 | 896 |
| 13  | 55  | 131 | 121 | 250 | 482 | 254 | 490 | 914 |
| 16  | 60  | 140 | 127 | 260 | 500 | 260 | 500 | 932 |
| 18  | 65  | 149 | 132 | 270 | 518 |     |     |     |

### How to use the table

Locate the temperature in the dark column and read the equivalent °F in the right hand column and the equivalent °C in the left hand column.

### Example:

1. °C to °F: You wish to convert 40°C to °F. Locate 40 in the dark column and read the appropriate temperature in the °F column to the right. The answer is 104°F.
2. °F to °C: To convert 40°F to °C, locate 40 in the dark column, and the °C column to the left will show that the answer is 5°C.