

# Conversion Tables

## Pressure / Vacuum / Flow Rate

### Pressure

| MPa          | kgf/cm <sup>2</sup> (bar) | psig        |
|--------------|---------------------------|-------------|
| 0.30         | 3.0                       | 42.7        |
| 0.28         | 2.8                       | 39.8        |
| 0.25         | 2.5                       | 35.6        |
| 0.20         | 2.0                       | 28.5        |
| 0.18         | 1.8                       | 25.6        |
| 0.15         | 1.5                       | 21.3        |
| 0.12         | 1.2                       | 17.1        |
| <b>0.10</b>  | <b>1.0</b>                | <b>14.2</b> |
| 0.08         | 0.8                       | 11.4        |
| 0.07         | 0.7                       | 9.96        |
| 0.05         | 0.5                       | 7.11        |
| 0.045        | 0.45                      | 6.40        |
| 0.04         | 0.4                       | 5.69        |
| 0.035        | 0.35                      | 4.98        |
| 0.034        | 0.34                      | 4.84        |
| 0.03         | 0.3                       | 4.27        |
| 0.02         | 0.2                       | 2.84        |
| 0.018        | 0.18                      | 2.56        |
| 0.015        | 0.15                      | 2.13        |
| 0.011        | 0.11                      | 1.56        |
| 0.01         | 0.1                       | 1.42        |
| <b>0.007</b> | <b>0.07</b>               | <b>1.00</b> |
| 0.005        | 0.05                      | 0.71        |
| * 0          | 0                         | 0           |

### Flow Rate

| CFM          | LPM          | CFM  | LPM  |
|--------------|--------------|------|------|
| <b>0.035</b> | <b>1.00</b>  | 2.12 | 60.0 |
| 0.070        | 2.00         | 2.25 | 63.7 |
| 0.100        | 2.83         | 2.47 | 70.0 |
| 0.105        | 3.00         | 2.50 | 70.8 |
| 0.177        | 5.00         | 2.65 | 75.0 |
| 0.250        | 7.08         | 2.75 | 77.9 |
| 0.353        | 10.0         | 2.83 | 80.0 |
| 0.500        | 14.2         | 3.00 | 85.0 |
| 0.530        | 15.0         | 3.18 | 90.0 |
| 0.708        | 20.0         | 3.25 | 92.0 |
| 0.750        | 21.2         | 3.50 | 99.1 |
| 0.883        | 25.0         | 3.53 | 100  |
| <b>1.00</b>  | <b>28.32</b> | 3.75 | 106  |
| 1.06         | 30.0         | 3.89 | 110  |
| 1.24         | 35.0         | 4.00 | 113  |
| 1.25         | 35.4         | 4.24 | 120  |
| 1.41         | 40.0         | 4.50 | 127  |
| 1.50         | 42.5         | 5.00 | 142  |
| 1.59         | 45.0         | 5.30 | 150  |
| 1.75         | 49.6         | 6.00 | 170  |
| 1.77         | 50.0         | 7.00 | 198  |
| 2.00         | 56.6         | 7.06 | 200  |

### Vacuum

| kPa       | mmHg | mbar  | in.Hg |
|-----------|------|-------|-------|
| * 0       | 0    | 0     | 0     |
| -13.3     | -100 | -133  | -3.94 |
| -26.7     | -200 | -267  | -7.87 |
| -33.3     | -250 | -333  | -9.84 |
| -44.0     | -330 | -440  | -13.0 |
| -45.3     | -340 | -453  | -13.4 |
| -46.7     | -350 | -467  | -13.8 |
| -53.3     | -400 | -533  | -15.7 |
| -60.0     | -450 | -600  | -17.7 |
| -66.7     | -500 | -667  | -19.7 |
| -73.3     | -550 | -733  | -21.7 |
| -80.0     | -600 | -800  | -23.6 |
| -93.3     | -700 | -933  | -27.6 |
| -100      | -750 | -1000 | -29.5 |
| ** -101.3 | -760 | -1013 | -29.9 |

### Pressure

| to \ from           | MPa   | kgf/cm <sup>2</sup> | bar  | psig |
|---------------------|-------|---------------------|------|------|
| MPa                 | 1     | 10                  | 10   | 142  |
| kgf/cm <sup>2</sup> | 0.1   | 1                   | 1    | 14.2 |
| bar                 | 0.1   | 1                   | 1    | 14.2 |
| psig                | 0.007 | 0.07                | 0.07 | 1    |

### Vacuum

| to \ from | kPa    | mmHg  | in.Hg   | mbar   |
|-----------|--------|-------|---------|--------|
| kPa       | -1     | -7.50 | -0.295  | -10    |
| mmHg      | -0.133 | -1    | -0.0394 | -1.335 |
| in. Hg    | -3.39  | -25.4 | -1      | -33.92 |
| mbar      | -0.1   | -0.75 | -0.0295 | -1     |

\* Gauge pressure  
 \*\* Absolute vacuum