

### English / Metric Conversions

| Units              | English to Metric                           | Metric to English                            |
|--------------------|---|--|
| <b>Length</b>      |   |  |
|                    | 1 in. = 25.4 mm                             | 1 mm = 0.03937 in.                           |
|                    | 1 in. = 2.54 cm                             | 1 cm = 0.3937 in.                            |
|                    | 1 in. = 0.0254 m                            | 1 m = 39.37 in.                              |
|                    | 1 ft. = 304.8 mm                            | 1 mm = 0.00328 ft.                           |
|                    | 1 ft. = 30.48 cm                            | 1 cm = 0.328 ft.                             |
|                    | 1 ft. = 0.3048 m                            | 1 m = 3.2808 ft.                             |
| <b>Area</b>        |   |  |
|                    | 1 in. <sup>2</sup> = 6.4516 cm <sup>2</sup> | 1 cm <sup>2</sup> = 1.55 in. <sup>2</sup>    |
|                    | 1 ft. <sup>2</sup> = 0.0929 m <sup>2</sup>  | 1 m <sup>2</sup> = 10.764 ft. <sup>2</sup>   |
| <b>Volume</b>      |   |  |
|                    | 1 in. <sup>3</sup> = 16.387 cm <sup>3</sup> | 1 cm <sup>3</sup> = 0.061 in. <sup>3</sup>   |
|                    | 1 ft. <sup>3</sup> = 0.0283 m <sup>3</sup>  | 1 m <sup>3</sup> = 35.315 ft. <sup>3</sup>   |
| <b>Velocity</b>    |   |  |
|                    | 1 fpm = 0.00508 m/sec                       | 1 m/sec = 196.85 fpm                         |
| <b>Flow</b>        |   |  |
|                    | 1 cfm = 0.00047 m <sup>3</sup> /sec         | 1 m <sup>3</sup> /sec = 2118.9 cfm           |
|                    | 1 cfm = 0.0283 m <sup>3</sup> /min          | 1 m <sup>3</sup> /min = 35.315 cfm           |
|                    | 1 cfm = 1.699 m <sup>3</sup> /hr            | 1 m <sup>3</sup> /hr = 0.5886 cfm            |
| <b>Pressure</b>    |   |  |
|                    | 1 in. W.G. = 248.8 Pa                       | 1 Pa = 0.00402 in. W.G.                      |
|                    | 1 bar = 0.1 Mpa                             | 1 Mpa = 10 bar                               |
|                    | 1 psi (lb/in <sup>2</sup> ) = 6.895 kPa     | 1 kPa = 0.145 psi                            |
|                    | 1 psi = 0.068 atm                           | 1 atm = 14.696 psi                           |
| <b>Weight</b>      |   |  |
|                    | 1 oz. = 28.375 g                            | 1 g = 0.0352 oz.                             |
|                    | 1 lb. = 454 g                               | 1 g = 0.002203 lb.                           |
|                    | 1 lb. = 0.454 kg                            | 1 kg = 2.203 lb.                             |
| <b>Temperature</b> |   |  |
|                    | 1 °F = 1.8 C <sup>0</sup> + 32              | 1 C <sup>0</sup> = 0.5556F <sup>0</sup> - 18 |
| <b>Power</b>       |   |  |
|                    | 1 hp = 735 w                                | 1 w = 0.00136 hp                             |

Add: 1 GuoTai Road, Zhangjiagang, Jiangsu Province, China P.C.: 215600

Tel: +86-512-5868 5979 Fax: +86-512-5898 6893

[www.industrialcleanair.com](http://www.industrialcleanair.com)

Email: [airmaxfilter@yahoo.com.cn](mailto:airmaxfilter@yahoo.com.cn) MSN: [fullcart@hotmail.com](mailto:fullcart@hotmail.com)