

TABLE OF CONVERSION FACTORS FOR PRESSURE AND VOLUME FLOW RATE.

In the table below, I have tried to include all of the most popular combinations, with the 'preferred' S.I. unit shown in *blue*

VOLUME FLOW RATE.

1 m³/s	= 999.97 l/s	= 3600 m ³ /h	= 2118.9 cfm	= 60 m ³ /min
1 l/s	= 3.60 m ³ /h	= 2.119 cfm	= 0.06 m ³ /min	= 0.001 m ³ /s
1 m ³ /h	= 0.5886 cfm	= 0.01667 m ³ /min	= 0.00028 m ³ /s	= 0.2778 l/s
1 cfm	= 0.0283 m ³ /min	= 0.000472 m ³ /s	= 0.4719 l/s	= 1.699 m ³ /h
1 m ³ /min	= 0.01667 m ³ /s	= 16.67 l/s	= 60 m ³ /h	= 35.315 cfm

VELOCITY.

1 m/s	= 196.85ft/min
1 ft/min	= 0.00508 m/s

PRESSURE.

1 Pa	= 0.01 mbar	= 0.004015 in.wg	= 0.10197 mm.wg	= 0.000145 psi.
1 mbar	= 0.4015 in.wg	= 10.197 mm.wg	= 0.0145 psi.	= 100 Pa.
1 in.wg.	= 25.4 mm.wg	= 0.0361 psi.	= 249.089 Pa.	= 2.49089 mbar.
1 mm.wg	= 0.00142 psi.	= 9.80665 Pa.	= 0.09807 mbar	= 0.03937 in.wg.
1 psi.	= 6894.76 Pa.	= 68.9476 mbar	= 27.68 in.wg.	= 703.07 mm.wg.

It is recommended that the following multiples and sub-multiples of the S.I. units are used in fan technology:

Pressure:	kilopascal	= kPa	=	1000Pa.
Barometric pressure:	millibar	= mbar	=	100 Pa.
Volume flow rate:	litre per second	= l/s	=	10 ⁻³ m ³ /s