

Local Exhaust Ventilation Terms

Any LEV mathematic calculations should be done in **imperial only** or **metric only**.

Term	Definition	Imperial	Metric
A	Area	Ft ² Square feet	M ² Metres square
π (Greek symbol called Pi)	Ratio of a circles circumference to its diameter		
C	Circumference	inches	mm
D (Ø)	Diameter	inches	mm
i/d	Inside diameter	inches	mm
o/d	Outside diameter	inches	mm
µm	micrometre		
Q	Flow	Cfm Cubic feet per min	M ³ /s Metres cubed per second
V	Velocity	Fpm Feet per minute	m/s metres per second
T	Temperature	°F Fahrenheit °R Radians	°C Celsius °K Kelvin
BP	Barometric Pressure	"hg Inches of mercury	Pa Pascal's
D	Density Correction factor		
ρ (Greek symbol called Rho)	Air weight density	Lbs/ft ³ Pounds per cubic feet	Kgs/m ³ Kilograms per metres cubed
SP	Static Pressure	"wg Inches water gauge	Pa Pascal's
VP	Velocity Pressure	"wg Inches water gauge	Pa Pascal's
TP	Total Pressure	"wg Inches water gauge	Pa Pascal's
N	Air changes per hour (ACH)		
Q _d	Dilution Q	Cfm Cubic feet per min	M ³ /s Metres cubed per second
K _{mix}	Air mixing factor (sometimes written as K _{effect})		
MW	Molecular weight		
V _r	Room volume	F ³ Cubic feet	M ³ Metres cubed
Ce	Coefficient of Entry		
kW	Kilowatts		
HP	Horse power		
RPM	Revolutions per minute		
	Compressed air pressure	PSI Pounds per square inch	Bar