

Glossary

Abbreviation or term	Meaning
ACFM	actual cubic feet per minute; flow measure unit at ambient conditions
ALPM	actual litres per minute; flow measure unit at ambient conditions
BIBS	built-in breathing system
CFM	(standard) cubic feet per minute
$\hat{\epsilon}$	ventilation effectiveness
G	net contaminant volume gain
HBOT	hyperbaric oxygen therapy
HCV	hyperbaric chamber ventilation
LEV	local exhaust ventilation
\dot{n}_c	the rate at which contaminant moles are accumulating in the chamber
$\dot{n}_{c,cons}$	the rate at which the contaminant moles are consumed in the chamber
$\dot{n}_{c,gen}$	the rate at which contaminant moles are generated in the chamber
$\dot{n}_{c,in}$	the rate at which contaminant moles are entering the chamber via HCV
$\dot{n}_{c,out}$	the rate at which contaminant moles are exiting the chamber via HCV
P_c	contaminant partial pressure in the chamber atmosphere
P_{ch}	chamber pressure (absolute)
$P_{c,in}$	contaminant partial pressure in the ventilation gas
$P_{c,max}$	contaminant partial pressure threshold limit value in the chamber atmosphere
P_s	standard pressure; 100 kPa (1 bar)
R	chamber pressurisation rate
SEV	surface equivalent value
STP	standard temperature and pressure; 273.15 K (0°C), 100 kPa (1 bar)
T_{ch}	chamber temperature (absolute)
T_s	standard temperature; 273.15 K (0°C)
V_{ch}	floodable chamber volume
$V_{T,STP}$	total gas volume in the chamber
$\dot{V}_{vent,in,STP}$	ventilation inflow
$\dot{V}_{vent,out,STP}$	ventilation outflow
z	contaminant volume concentration
z_{in}	contaminant volume concentration in the incoming ventilation gas in the chamber
z_{out}	contaminant volume concentration in the exhausted gas
z_{ss}	contaminant volume concentration at the steady state