

TABLE 4.2
FACTOR FOR OCCUPANT-RELATED CONTAMINANTS

Use of enclosure	Average adjusted metabolic rate Watts/occupant	a_0 (L/s per occupant)			
		Temperature maintained at or below 27°C in normal use		Temperature exceeds 27°C in normal use	
		Supplying 100% outdoor air or a single enclosure	Multiple enclosure system	Supplying 100% outdoor air or a single enclosure	Multiple enclosure system
Low activity	Up to 160	5	5	6	9
Medium activity	161–200	5	7.5	7	10.5
High activity	201–340	10	15	12	18
Very high activity	Over 340	15	22.5	17	25
Classrooms (students under 16 years old)	Any	Multiply above values by 1.25			
Smoking not prohibited	Any	10	15	10	15

NOTES:

- 1 Smoking not prohibited is based on a smoking rate of 1 cigarette per person per hour as an average for all occupants (smoking and non-smoking) of the enclosure. Where higher smoking rates are reasonably anticipated a higher contaminant factor (a_0), for the higher smoking rates, shall be calculated by multiplying the smoking not prohibited factor of Table 4.2 by the expected smoking rate (cigarettes per hour per occupant).
- 2 The single enclosure rate for light activity is not reduced from the corresponding rate for multiple enclosures to ensure that enclosures are not ventilated at low outdoor airflow rates without consideration of all factors using the engineered procedure.
- 3 Information on metabolic rates /activity rates is given in Appendix A, Table A2.