

AIR REQUIREMENTS FOR DIFFERENT OCCUPANCY CLASSIFICATIONS

Occupancy	Minimum air requirement in litres per second		Remarks
	Smoking	Filtered/non smoking	
<u>Public halls</u>			
Assembly halls	7.5	3.5	Air supply required per person
Churches	7.5	3.5	
Theatres (lobbies and auditoria)	7.5	3.5	
Cinemas	7.5	3.5	
<u>Dry cleaners/laundries</u>			
Commercial dry cleaners	-	120.0	Air supply required per person
Storage/collection areas	7.5	5.0	
Laundries	7.5	5.0	
<u>Educational buildings</u>			
Classrooms	-	7.5	Air supply required per person
Laboratories	-	7.5	
Libraries	-	6.5	
<u>Food and eating facilities</u>			
Dining rooms and restaurants	7.5	5.0	Air supply required per person
Cafeterias	7.5	5.0	
Bars and cocktail lounges	7.5	5.0	
Kitchens	17.5	17.5	
<u>Photographic darkrooms</u>	-	10.0	Air supply required per person
<u>Dwelling units</u>			
Kitchens	50.0	50.0	Air supply required per person
Other living areas	5.0	5.0	
Bathrooms and shower rooms	25.0	25.0	
Rooms containing w.c. / urinals	25.0	25.0	
<u>Shops</u>			
Malls, arcades, warehouses	7.5	7.5	Air supply required per person
Sales floors, showrooms	7.5	7.5	
Dressing rooms	7.5	7.5	
<u>Sport / amusement facilities</u>			
Ballrooms and discos	7.5	-	Air supply required per person
Bowling alleys (seating area)	7.5	-	
Playing area (gymnasiums)	-	10.0	
Locker rooms	7.5	7.5	
Spectator areas	5.0	-	
Health spas / slimming salon	-	7.5	
<u>Garages</u>			
Parking garages	7.5	7.5	Air supply required per m ² of floor area
Ticket kiosks	5.0	5.0	Air supply required per person
Motor car repairs	10.0	10.0	Air supply required per m ² of floor area
<u>Hotels, motels, dormitories</u>			
Lobbies	7.5	5.0	Air supply required per person
Conference rooms	7.5	5.0	
Assembly rooms	7.5	5.0	
Bedrooms	7.5	-	
Living rooms (suites)	7.5	-	
Central kitchens	17.5	17.5	Air supply required per person
Private kitchens	50.0	50.0	

<u>Libraries</u>			
General	-	6.5	Air supply required per person
Book store	-	3.5	
<u>Offices</u>			
General	7.5	5.0	Air supply required per person
Meeting and waiting rooms	7.5	5.0	
Conference and board rooms	10.0	5.0	
Cleaner's room	-	1.0	Air supply required per m ² of floor area
<u>Stages, TV, radio and movie</u>	7.5	5.0	Air supply required per person
<u>Rooms containing baths, showers, wc pans or urinals</u>			
Serving a dwelling unit or any bedroom	25.0	25.0	Air supply required per room
All others	20.0	20.0	Air supply required per bath, shower, wc, urinal or 600 mm of urinal space
<u>Transportation</u>			
Waiting rooms, ticket areas, corridor and gate areas, platforms, concourses	7.5	5.0	Air supply required per person
<u>Smoking rooms</u>	20.0	-	Air supply required per person
Occupancies other than those listed above	As determined by the City of Cape Town		

NOTE: The use of a dash in the above table signifies no requirement.

The above Table has been extracted from the **SABS Code 0400 of 1990** and been recreated by the Environmental Health Section for the purpose of this web site.