

Table 4-2

**UNIFORM PLUMBING CODE OF ABU DHABI:  
AN ENVIRONMENTAL GUIDE FOR  
WATER SUPPLY AND SANITATION**

**TABLE 4-2  
Minimum Plumbing Facilities<sup>1</sup>**

Each building shall be provided with sanitary facilities, including provisions for persons with disabilities as prescribed by the Department Having Jurisdiction. Table 4-2 applies to new buildings, additions to a building, and changes of occupancy or type in an existing building resulting in increased occupant load. Exception: New cafeterias used only by employees.

The total occupant load shall be determined in accordance with the Building Code. The type of building or occupancy shall be determined based on the actual use of the various spaces within the building. Building categories not shown in Table 4-2 shall be considered separately by the Authority Having Jurisdiction. The minimum number of fixtures shall be calculated at 50 percent male and 50 percent female based on the total occupant load.

Once the occupant load and uses are determined, the requirements of Section 412.0 and Table 4-2 shall be applied to determine the minimum number of plumbing fixtures required.

Type of Building or Occupancy <sup>2</sup>	Water Closets <sup>14, 18</sup> (Fixtures per Person)	Urinals <sup>5, 10</sup> (Fixtures per Person)	Lavatories (Fixtures per Person)	Bathtubs or Showers (Fixtures per Person)	Abolition Stand, Pedestal or Sink (Fixtures per Person)	Drinking Fountains <sup>3, 13, 17</sup> (Fixtures per Person)
Assembly places – theaters, auditoriums, convention halls, etc. – for permanent employee use	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons.	Female 1: 1-15 3: 16-35 4: 36-55	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males.	Male 1 per 40 Female 1 per 40	1: 1-10 2: 11-40 Over 40, add 1 fixture for each additional 50 persons.	
Assembly places – theaters, auditoriums, convention halls, etc. – for public use	Male 1: 1-100 2: 101-200 3: 201-400 Over 400, add 1 fixture for each additional 500 males and 1 for each additional 125 females.	Female 3: 1-50 4: 51-100 8: 101-200 11: 201-400	Male 1: 1-100 2: 101-200 3: 201-400 4: 401-600 Over 600, add 1 fixture for each additional 300 males.	Male 1: 1-200 2: 201-400 3: 401-750 Over 750, add 1 fixture for each additional 500 persons.	Female 1: 1-200 2: 201-400 3: 401-750	1: 1-10 2: 11-100 Over 100, add 1 fixture for each additional 100 persons. Over 750, add 1 fixture for each additional 500 persons.
Dormitories <sup>9</sup> – School or labor <sup>16</sup>	Male 1 per 10 Add 1 fixture for each additional 25 males (over 10) and 1 for each additional 20 females (over 8).	Female 1 per 8	Male 1 per 25 Over 150, add 1 fixture for each additional 50 males.	Males 1 per 12 Over 12, add 1 fixture for each additional 20 males and 1 for each additional 15 females.	Female 1 per 12 Over 12, add 1 fixture for each additional 20 males and 1 for each additional 15 females.	1 per 8 For females, add 1 bathtub per 30. Over 150, add 1 bathtub per 20.
Dormitories – for staff use <sup>16</sup>	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons.	Female 1: 1-15 3: 16-35 4: 36-55	Male 1 per 50	Male 1 per 40 Female 1 per 40	1 per 8 1: 1-10 2: 11-40 3: 41-80 Over 80, add 1 fixture for each additional 50 persons.	
Dwellings <sup>4</sup> Single dwelling Multiple dwelling or apartment house <sup>16</sup>	1 per dwelling 1 per dwelling or apartment unit		1 per dwelling 1 per dwelling or apartment unit	1 per dwelling 1 per dwelling or apartment unit		
Hospital waiting rooms	1 per room		1 per room		2 per room	1 per 150 <sup>12</sup>
Hospitals – for employee use	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons.	Female 1: 1-15 3: 16-35 4: 36-55	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males.	Male 1 per 40 Female 1 per 40	1: 1-10 2: 11-40 Over 40, add 1 fixture for each additional 50 persons.	
Hospitals Individual room Ward room	1 per room 1 per 8 patients		1 per room 1 per 10 patients	1 per room 1 per 20 patients	1 per 10	1 per 150 <sup>12</sup>
Industrial <sup>6</sup> warehouses, workshops, foundries, and similar establishments – for employee use	Male 1: 1-10 2: 11-25 3: 26-50 4: 51-75 5: 76-100 Over 100, add 1 fixture for each additional 30 persons.	Female 1: 1-10 2: 11-25 3: 26-50 4: 51-75 5: 76-100	Up to 100, 1 per 10 persons. Over 100, 1 per 15 persons <sup>7, 8</sup>	1 shower for each 15 persons exposed to excessive heat or to skin contamination with poisonous, infectious, or irritating material	1: 1-10 2: 11-40 3: 41-80 Over 80, add 1 fixture for each additional 50 persons.	1 per 150 <sup>12</sup>
Institutional – other than hospitals or penal institutions (on each occupied floor)	Male 1 per 25 Female 1 per 20	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males.	Male 1 per 10 Female 1 per 10	1 per 8	1 per 10	1 per 150 <sup>12</sup>
Institutional – other than hospitals or penal institutions (on each occupied floor) – for employee use	Male 1: 1-15 2: 16-35 3: 36-55 Over 55, add 1 fixture for each additional 40 persons.	Female 1: 1-15 3: 16-35 4: 36-55	Male 0: 1-9 1: 10-50 Add 1 fixture for each additional 50 males.	Male 1 per 40 Female 1 per 40	1 per 8	1 per 150 <sup>12</sup>