

**Asset Management Directorate  
Guidelines  
For The Design Of Water  
Distribution Networks In  
Al Ain Region**

**GL.AM.01**

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Approved by:

Managing Director

Public toilets	public toilets (per sanitary piece)	264	1200
Schools / universities	per student	5 / 10	25/45
Hostel	per student	44	200
Villa & shabiat	per capita	77	350
Villa / shabiat (2)	general services	250 / 450	1100 / 2000
Villa & shabiat (3)	per bedroom	110	500
Villa & shabiat	swimming pool/m2	6.6	30
Services in a building	up to 5 floors	165	750
Services in a building	from 6 to 10 floors	330	1500
Services in a building (4)	above 10 floors	660	3000
Offices & shops (5)	per sanitary piece	per sanitary piece	per sanitary piece
Offices & shops	per square metre	1~2	5~
Offices & shops	per person	10	45
Residential flat	Studio	100	450
Residential flat	1 bedroom	120	550
Residential flat	2 bedroom	180	820
Residential flat	3 bedrooms	220	1000
Residential flat	4 bedrooms	280	1250
Residential flat	5 bedrooms	350	1600
Residential flat	per capita	55	250
Temporary water connection	up to of 5 floors	1000	4500
Temporary water connection	from 6 to 10 floors	2000	9000
Temporary water Connection	from10 to 20 floors	2600	12000

Source: Table 1.1, Guide to Water Supply Regulations, 2009, RSB

Notes : (Below notes are extracted from Table 1.1, Guide to Water Supply Regulations, 2009, RSB

1. Hotel category up to 5 stars. Hotels/resorts above 5 stars will be subject to assessment.

2. 'General services' means water used for internal gardening and general cleaning purposes for a standard-size shabiat and villa. It may increase or decrease according to the type and size of villa. However, the estimated rate of consumption for calculating additional quantities shall be between 1 and 1.5 gallons per square metre per day.

3. For the shabiat and villa category, a reduction factor may be applied for every additional bedroom according to the Distribution Company's own criteria.

4. Rates of consumption for buildings higher than 20 floors shall be adjusted proportionally.

5. All consumption rates for sanitary pieces shall be calculated based on water efficient plumbing fittings. It is recommended that the flow rate for major sanitary pieces for residential uses such as W.C., kitchen sink and washbasin should not exceed 0.2 l/s.