

Chapter 29 - Plumbing Systems

SECTION 2901 GENERAL

2901.1 Scope. The *Abu Dhabi Uniform Plumbing Code* shall govern the erection, installation, alteration, repairs, relocation, replacement, addition to, use or maintenance of plumbing equipment and systems. Plumbing systems and equipment shall be constructed, installed and maintained in accordance with the *Abu Dhabi Uniform Plumbing Code*. Private sewage disposal systems shall conform to the *Abu Dhabi International Private Sewage Disposal Code*. [P]

2902. Legionella management. In order to prevent the growth of Legionnaires' Disease Bacteria in warm water systems used design, installation and maintenance of these systems shall be in accordance with Abu Dhabi EHS Code of Practice 12.0- Prevention and Control of Legionnaires Disease and ASHRAE Guidelines 12-2000 Minimizing the risk of Legionellosis Associated with Building Water Systems.

2903 Water Conserving Fixtures, Fittings and Appliances

MAXIMUM FLOW RATES AND CONSUMPTION FOR PLUMBING FIXTURES AND FIXTURE FITTINGS

PLUMBING FIXTURE OR FIXTURE FITTING	MAXIMUM FLOW RATE OR QUANTITY ^b	
	gpm	L/m
Lavatory, private	1.5 gpm at 60 psi	6 L/minute at 413.7 kilopascals
Lavatory, public (metering)	0.25 gallon per metering cycle	1 liter per metering cycle
Lavatory, public (other than metering)	0.5 gpm at 60 psi	1.9 liters at 413.7 kilopascals
Shower head ^a	2.5 gpm at 80 psi	9.5 liters at 551.6 kilopascals
Sink faucet (incl. bidet and ablution faucets)	2.21.5 gpm at 60 psi	6 L/minute at 413.7 kilopascals
Urinal	1.0 pint per flushing cycle	0.5 liters per flushing cycle
Water closet ^c	1.6 gallons per flushing cycle	6 liters per flushing cycle

For SI: 1 gallon = 3.785 L, 1 gallon per minute = 3.785 L/m,
1 pound per square inch = 6.895 kPa.

a. A hand-held shower spray is a shower head.

b. Consumption tolerances shall be determined from referenced standards.

c. Water closets to be dual flush with a maximum 1.6 gallons (6 liters) per flush.

All appliances are to be *approved* for energy and water efficiency.

2904. Water conservation in landscaping . Design of outdoor landscaping to be guided by Urban Planning Council (UPC) Public Realm Design Manual. Where Recycled Water connection is available for irrigation, owner shall make provisions to utilize the system with approval of the relevant authority.