

CHAPTER 1 - CONSERVATION AND EFFICIENCY

600

601.01 WATER EFFICIENT FITTINGS



INTENT

Reducing indoor water consumption using water efficient fittings.

REQUIREMENT

For all new buildings, following must be used:

- A. Water-conserving fixtures meeting the criteria listed in Table 601.01 (1):

Table 601.01(1): Maximum Flow Rates

Fixture Type	Maximum Flow Rate
Showerheads	8 l/min
Hand wash basins	6 l/min
Kitchen sinks	7 l/min
Dual Flush Toilets	6 l Full flush
	3 l Part flush
Urinal	1l per flush or waterless

- B. Dual Flush toilets.
- C. Automatic (proximity detection) / push button faucets in all public facilities.
- D. Cisterns serving single or multiple urinals in public, commercial and industrial buildings with manual or automatic flush controls that operate based on usage patterns. Only sanitary flushing is acceptable in the event of building closure or shutdown (including overnight).

Faucets installed for specialised application may be exempt from meeting the flow rates, subject to Dubai Municipality's approval.

SIGNIFICANCE

The conservation of water is vital in sustaining the needs of future generations. Potable water consumption in buildings if used unrestrictedly would not only deplete the potable water source but also would require significant amount of energy to treat and transport the water. Using larger volumes of water increases the maintenance and life cycle cost of building operations and increases consumer's cost for additional municipal supply and treatment facilities. Conversely, building that