



Public Utilities Board

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Professional Engineers Board
The Institution of Engineers, Singapore
Singapore Plumbing Society
Singapore Sanitary Ware Importers & Exporters Association
Association of Consulting Engineers, Singapore
Singapore Institute of Architects
Association of Property and Facility Managers
Singapore Contractors Association Ltd
Real Estate Developers' Association of Singapore
Singapore Confederation of Industries
National Library Board
Housing and Development Board
Construction Industry Training Institute, BCA
Building and Construction Authority
Jurong Town Corporation
CPG Consultants Pte Ltd
Sewerage Department, Public Utilities Board

Dear Sirs

FLOW RATES AT WATER FITTINGS

As part of our on-going efforts to promote water conservation and conserve our water resources, PUB has reviewed the flow rate requirements at water fittings in consultation with various organizations involved. PUB has decided to lower the mandatory maximum flow rate requirements at water fittings. The existing and new maximum flow rate requirements at the various water fittings are given in the table below.

Area of Usage	Maximum Flow Rate		Remarks
	Existing	New	
Basin tap & Self-Closing Delayed Action Basin tap	8 litres/min	6/litres/min	For Self-Closing Delayed Action Basin tap, the timing shall remain at between 2 and 3 sec
Sink/kitchen tap and wash area	12 litres/min	8 litres/min	

Shower tap & Self-Closing Delayed Action Shower tap	12 litres/min	9 litres/min	For Self-Closing Delayed Action shower tap, the timing shall remain at between 13 and 15 sec
Other areas	12 litres/min	8 litres/min	

2 The above new maximum flow rate requirements shall apply to all premises including domestic and non-domestic premises. The maximum flow rate requirement for showers at hotels shall continue to be 12 litres/min. However, hotels are strongly encouraged to install low flow showerheads which give flow rates of not more than 9 litres/min. Non self-closing delayed action taps which do not meet the new maximum flow rate requirements must be installed with constant flow regulators to ensure that they comply with the new requirements.

3 The details of the implementation dates of the new maximum flow rates are as follows:

- (a) Development Control Submissions for all new developments approved on or after 1 Jan 2003 must incorporate the use of water fittings complying with the new maximum flow rate requirements.
- (b) From 1 Oct 2003, all premises undergoing renovations which involve the replacement of water fittings must be fitted with water fittings complying with the new maximum flow rate requirements.
- (c) From 1 Oct 2004, only water fittings complying with the new maximum flow rate requirements can be installed in new and on-going building projects.

4 We would appreciate it very much if you could disseminate this information to your members in your organisation and to remind them to comply with the new requirements.

5 Should you or your officers require further information or clarification, please do not hesitate to contact our officer, Mr Maurice Neo at Telephone No. 67313518.

Yours faithfully



MAJ(NS) NG HAN TONG
ASST DIRECTOR (CONSERVATION & INSPECTORATE)
for DIRECTOR
WATER DEPARTMENT