



水務署
Water Supplies Department

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Reference (1) in WSD 3318/50 Pt.11

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Distribution: To all Licensed Plumbers and Authorised Persons

Dear Sirs,

WSD Circular Letter No. 8/2026
**Pilot Scheme of Installation of “Add-on Electronic Toilet Seat
with Extendable Cleaning Nozzle” for Hotels**

This Circular Letter promulgates a pilot scheme of the installation of “add-on electronic toilet seat with extendable cleaning nozzle” for hotels¹.

Background

2. To align with the Government’s strategic initiative to attract more visitors around the world, especially those from the Middle East and Muslim markets, the hotel trade proposed to the Water Supplies Department (WSD) on modification to the toilet facility by installing add-on electronic toilet seat with extendable cleaning nozzle. In response, WSD has reviewed the backflow prevention requirement for “smart water closet” (i.e. an add-on electronic toilet seat with extendable cleaning nozzle attached to a traditional water closet) under “Technical Requirements for Plumbing Works in Buildings” (TR) and hereby introduced a pilot scheme on installation of such device in hotels (the Scheme).

Pilot Scheme

3. The Scheme is open to applications from hotels having joined “Quality Water Supply Scheme for Buildings – Fresh Water (Management System)²” (QMS). The associated checklist³ for routine checking/inspection by the Qualified Person for participating hotels is also updated and attached in **Appendix I**.

¹ “Hotels” refer to hotels licensed by the Office of the Licensing Authority and exclude guesthouses.

² Hotels joining QMS should ensure routine checking/inspection is conducted by a Qualified Person regularly. For details of QMS, please refer to: <https://www.wsd.gov.hk/en/water-safety/fresh-water-management-system-/index.html>

³ Referenced from “Drinking Water Safety Plan Template for General Buildings in Hong Kong”.

4. Under the Scheme, the Water Authority (WA) considers a double check valve⁴ of Family E and Type D, in compliance with BS EN 13959:2004, acceptable as an alternative backflow prevention device in lieu of a break tank if it is installed at upstream of an add-on electronic toilet seat with extendable cleaning nozzle complying with Electrical Products (Safety) Regulation (Cap. 406G) and the associated IEC 60335-2-84 standard⁵. The double check valve shall also be supported by relevant certification (e.g. WRAS⁶, KUKreg4⁷, DVGW⁸). Pursuant to Regulation 24 of the Waterworks Regulations (Cap. 102A), applicant shall seek written permission from the WA for installing the above-mentioned fixtures to fresh water inside service.

5. The Scheme applies only to hotels having joined the QMS that adopt the double check valve described in paragraph 4 when installing add-on electronic toilet seat with extendable cleaning nozzle. If a hotel fails to renew its QMS certificate or comply with the requirements of QMS for proper maintenance of such double check valve, WA will arrange audit inspections of the double check valve installed and issue repair notice, if necessary, to request the applicant to remove the add-on electronic toilet seat with extendable cleaning nozzle in accordance with the reinstatement details shown in the approved plumbing proposal. Therefore, when submitting application, applicant shall include in the plumbing proposal the reinstatement details for the WA's approval. WA will also periodically review the situation with relevant hotel industry associations.

Effective Date

6. The Scheme will be open to application from eligible hotels on 15 May 2026.

Enquiry

7. Should you have any enquiry, please contact our Engineer/Technical Support(3) at telephone no. 2829 4726.

Yours faithfully,

(Original Signed)

(YIP Ka-chun, Gary)
for Water Authority

Encl.
(with Chinese translation)

⁴ Recommendation under a consultancy study, which was appointed to study and benchmark the statutory requirements on backflow prevention device for a list of common water using apparatus in Australia, UK, US, Japan, and Hong Kong.

⁵ IEC 60335-2-84 standard requires the appliances to be installed with a backflow prevention device meeting the requirements of IEC 61770.

⁶ WRAS – The UK Water Regulations Advisory Scheme

⁷ KUKreg4 - “Kiwa UK Water Regulation 4 Product Approval Scheme”

⁸ (In German) Deutsche Verein des Gas- und Wasserfaches; (In English) – The German Technical and Scientific Association for Gas and Water

c.c.

Housing Department (Attn: SM/QM)

Buildings Department

Architectural Services Department

Fire Services Department

The Hong Kong Housing Society

The Hong Kong Institute of Architects

The Hong Kong Institution of Engineers

The Hong Kong Institute of Surveyors

The Chartered Institute of Plumbing and Heating Engineering – Hong Kong Branch

Hong Kong Plumbing and Sanitary Ware Trade Association Ltd.

Hong Kong Licensed Plumbing Professionals Association Ltd.

Hong Kong Water Works Professionals Association Ltd.

The Hong Kong Institution of Plumbing and Drainage Ltd.

Plumbing Technology Student Association

The Association of Registered Fire Service Installation Contractors of Hong Kong Limited

Real Estate Developers Association of Hong Kong

The Hong Kong Construction Association, Ltd.

Hong Kong Registered Contractors Association Company Ltd.

The Hong Kong Federation of Electrical & Mechanical Contractors Ltd.

Contractor's Authorised Signatory Association Ltd.

Registered Minor Works Contractor Signatory Association Ltd.

Hong Kong General Building Contractors Association Ltd.

Hong Kong Institute of Vocational Education

Hong Kong Institute of Construction, Construction Industry Council

Hong Kong Licensed Plumbers Union Limited

Hong Kong Metropolitan University Li Ka Shing School of Professional and Continuing Education

The Association of Electrical and Mechanical Engineering (Hong Kong) Ltd.

Pipeman Engineering (International) Limited

Hong Kong Institute of Water and Sanitation Safety

Hong Kong Plumbing General Union

WSD 3318/15/81

Table II. Routine checking/inspection by the Qualified Person (such as Licensed Plumber, Building Services Engineer or Building Surveyor)

Name of block : _____

Location	Frequency	Item to check/action to be completed/target to be achieved	Observations (✓/✗)	Remarks in Findings (if “✗”)	Date of Checking		Corrective action to take if target is not achieved	Corrective action completed	
					Date	Signature		Date	Signature
1. Water storage tanks (sump tank, roof tank, header tank or any other storage tanks)	Annually	Potable water roof (header) tank levels are set to provide sufficient water pressure and level switch top up control is functioning correctly					Adjust level settings if required and make any necessary repairs		
2. Water pumps (sump pumps or booster pumps)		Pump pressure set points are correctly adjusted to provide sufficient water pressure and the pressure measurement devices and pumps are functioning correctly					Adjust pressure settings if required and make any necessary repairs		
		Pressure set points for the potable water are at higher pressure (typically by at least 50 kPa, if feasible) than for non-potable water (where applicable)							
		Maintain pumps as recommended by the supplier					Replace badly worn parts in good time so that the pump doesn't fail resulting in a loss of pressure		
		Check for any parts being badly worn							
3. Pressure reducing valves		Pressure reducing valve set points are correctly adjusted to provide sufficient water pressure and the pressure measurement devices are functioning correctly					Adjust pressure settings if required and make any necessary repairs		
	Pressure set points for the potable water are at higher pressure (typically by at least 50 kPa, if feasible) than for non-potable water (where applicable)								
4. Water meters		Backflow prevention devices are in place as required under the WSD requirements and are found to be functioning correctly ¹					Install backflow prevention devices if missing and replace any faulty backflow prevention devices		
5. Pipes, joints and fittings		Confirm that there are no cross-connections at the main plants that could lead to non-potable water (where applicable) flowing from potable water fittings by conducting checks such as flow tests					Remove any cross-connections if identified		
6. Add-on electronic toilet seat with extendable cleaning nozzle	Annually	Add-on electronic toilet seat with extendable cleaning nozzle, and the Family E, Type D double check valve are in place and found to be functioning correctly					Repair or replace any faulty add-on electronic toilet seat with extendable cleaning nozzle, and the Family E, Type D double check valve		

Checklist prepared by:

 _____ (Name)
 _____ (Post)
 _____ (LP No./
 Professional Membership No., if applicable)

 _____ (Signature)

¹ It may not be feasible to check whether the backflow prevention devices are functioning correctly if the water supply system is on line