



水務署

Water Supplies Department

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Distribution: To all Licensed Plumbers and Authorised Persons

Dear Sirs,

WSD Circular Letter No. 2/2024
Proposed Amendments to
“Technical Requirements for Plumbing Works in Buildings”
in respect of Kitchen Equipment

The Water Supplies Department (WSD) has formulated new requirements for application for water supply involving kitchen equipment. The WSD has consulted the Technical Committee on Plumbing on the proposed new requirements.

New Requirements

2. To cater for the market trend with increasing types and demands of various types of water using appliances, the backflow prevention measures for kitchen equipment for domestic and non-domestic uses have been reviewed. It is proposed to amend Section 6.8.2, Table 4.2.3.7.2 and FIG 34 under “Technical Requirements for Plumbing Works in Buildings” (TR) relating to kitchen equipment. The proposed amendments are summarized in **Appendix I**.

Effective Date

3. The above new requirements shall take immediate effect.

Enquiry

4. Should you have any enquiry, please contact our Engineer/Technical Support(5) at telephone no. 2829 4574.

Yours faithfully,

(Original Signed)

(CHAN Chi Yuen, Stanley)

for Water Authority

Encl.
(with Chinese translation)

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

Hong Kong Institute of Vocational Education

Hong Kong Institute of Construction, Construction Industry Council

The Hong Kong Construction Association, Ltd.

Hong Kong General Building Contractors Association 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 Registered Contractors Association Company Ltd.

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

WSD 3318/15/81

6.8.2 Washing Machines/**Dishwashers**

6.8.2.1 Not Used.

#6.8.2.2 **Regarding non-domestic use** washing machines/**dishwashers**, appropriate backflow prevention devices must be installed according to Table 4.2.3.7.1.

6.8.2.3 Not used.

#6.8.2.4 **Regarding domestic use dishwashers**, for those complying with Electrical Products (Safety) Regulation (Cap. 406G) which include compliance with requirements specified in BS EN 60335-1 (including but not limited to Subclause 22.48 therein) and BS EN 60335-2-5, no extra backflow prevention measures is required; otherwise a double check valve must be installed.

#6.8.2.5 **Regarding domestic use washing machines**, for those complying with Electrical Products (Safety) Regulation (Cap. 406G) which include compliance with requirements specified in BS EN 60335-1 (including but not limited to Subclause 22.48 therein) and BS EN 60335-2-7, no extra backflow prevention measures is required; otherwise a double check valve must be installed.

Table 4.2.3.7.2 Requirement on backflow prevention device for typical installations

Installations	Requirement on backflow prevention device
Irrigation systems without insecticide or fertilizer application: (i) Domestic or commercial irrigation system with fixed sprinkler heads or outlets not less than 150mm above ground level (Note 1); (ii) Mini-irrigation systems such as pop-up sprinklers or permeable hoses or with sprinkler heads less than 150mm above ground level (Note 2)	Backflow preventer with controllable reduced pressure zone
Commercial agricultural systems: (i) Commercial irrigation outlets below or at ground level and/or permeable pipes, with or without chemical additives; (ii) Insecticide or fertilizer applications; or (iii) Commercial hydroponic systems.	Break Tank
Garden served by point supply, nurseries, large landscaped areas or sports fields	Break Tank (Note 8)
Kitchen equipment for non-domestic use	Details please refer to FIG. 34 under TR
Fixtures for general ablution (e.g. basin, showers) with submerged inlets or with points of discharge below the overflow level	Details please refer to Note 4
Commercial laundries	Details please refer to FIG. 34 under TR
Industrial processes	Break Tank or Backflow preventer with controllable reduced pressure zone
Cooling towers	Break Tank
Fire service	Details please refer to Note 5
Fire service (improvised hose reel system)	Details please refer to FIG. 44 under TR
Fire service (improvised sprinkler system)	Details please refer to FIG. 17 under TR
Drinking Fountains (not located at street side)	Details please refer to FIG. 37 to 39 under TR
Drinking Fountains (located at street side)	Details please refer to FIG. 40 under TR
Smart water closets	Break Tank or equivalent

Note 1: Examples include systems with manual irrigation points.

Note 2: Examples include systems with drip-feed pipes.

Note 3: Schematic layout of the hydro-vent re-circulation system can be referred to FIG 6C and 6D.

Note 4: The water supply to the fixtures should be provided by either a cistern supplying water to such fixture

~~(Food Business (Restaurant) / Kitchen)~~

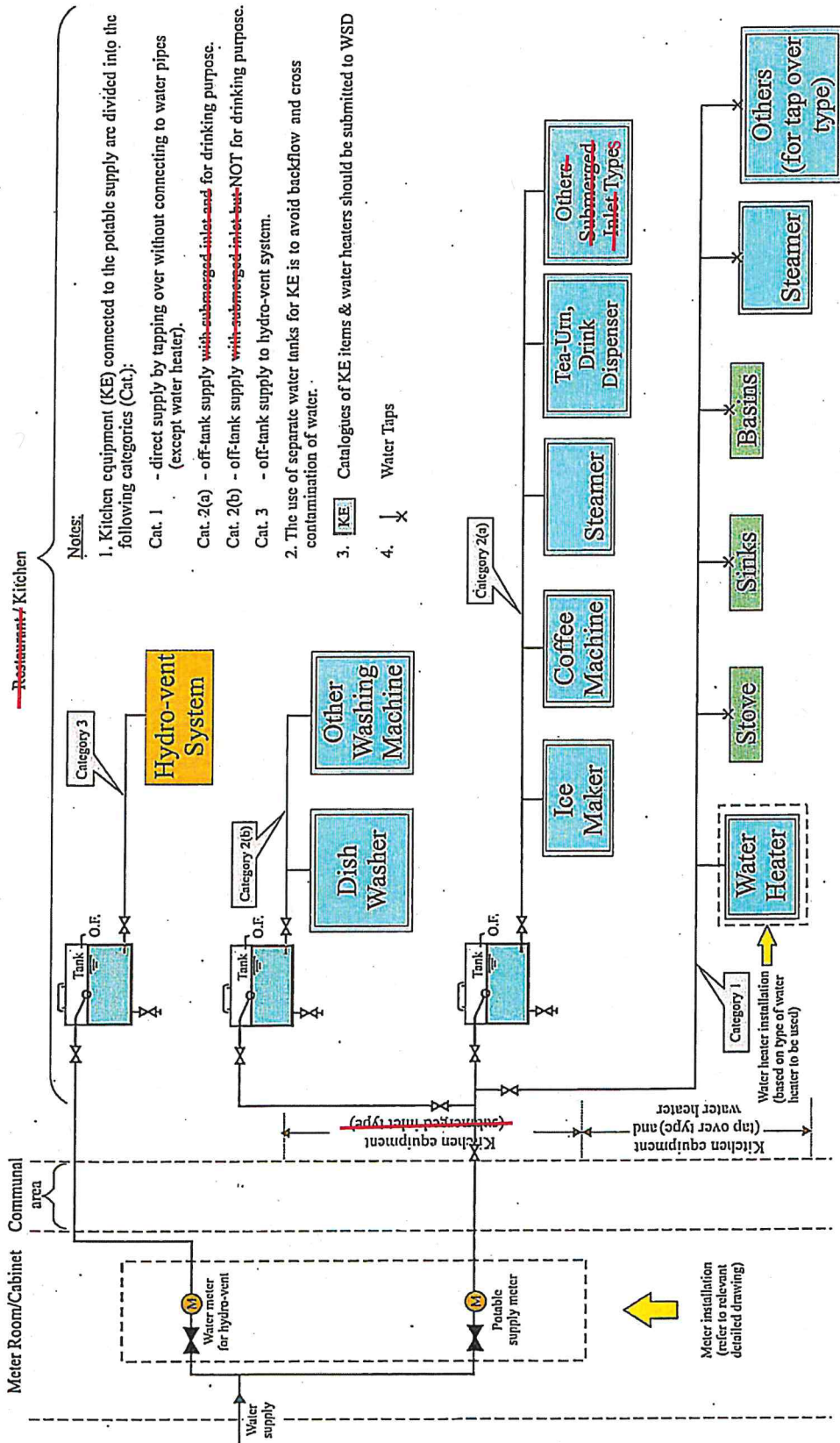


FIG. 34.