

## Cold Water Plumbing CW 02 | Water supply for dental consoles

### Audience

The audience/s for this Practice Note include/s:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Architects/ Designers  | <input type="checkbox"/> Owner Builders  |
| <input checked="" type="checkbox"/> Builders               | <input checked="" type="checkbox"/> Plumbers                                   |
| <input type="checkbox"/> Building Surveyors/ Inspectors    | <input type="checkbox"/> Real estate management agents                         |
| <input type="checkbox"/> Engineers                         | <input checked="" type="checkbox"/> Trades and Maintenance (inc. Electricians) |
| <input type="checkbox"/> Home Owners / Residential Tenants | <i>Other</i>   |

### Purpose

This Practice Note provides guidance on installation requirements when connecting drinking water supply at dental surgery.

The content below provides guidance on:

- Installation requirements



For guidance on the plumbing regulatory framework refer to Plumbing Practice Note RF-01-| Regulatory Framework

### Abbreviations & Definitions

The abbreviations and definitions set out below are for guidance only. They are not intended to vary those set out in the Building Act 1993, the Plumbing Regulations 2018 or the National Construction Code.

- **Act** – Building Act 1993
- **AS** – Australian Standard
- **AS/NZS** – Australian/ New Zealand Standard
- **DCAP** – Dual Check Valve with Atmospheric Port
- **NCC** – National Construction Code 2022, Volume Three
- **Regulations** – Plumbing Regulations 2018



## Installation Requirements

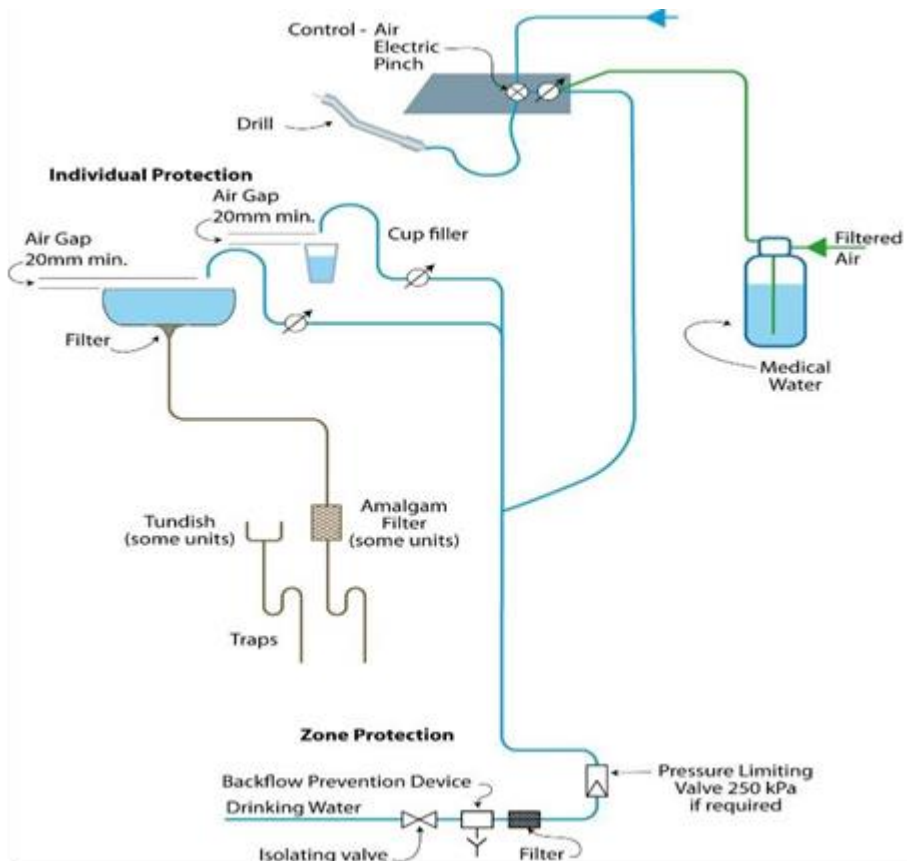
To minimise contamination of any part of the drinking water supply and to eliminate impact on building occupants, water services installation must be carried out in accordance with Part B5 of the National Construction Code (NCC), Volume 3. This requirement also applies to installation of cold water, heated water, non-drinking water, firefighting water services, unprotected water services and rainwater.

Where one or more dental consoles are required to be installed in a dental surgery, attention must be given to ensure the installation does not compromise the drinking water service or supply.

The individual protection hazard rating for dental consoles is medium, and the zone protection hazard rating for dental procedure rooms is high, therefore the appropriate cross-connection control device in accordance Part S41C4 (2) (b) and Part S4C5 (3) (d) must be installed.

Each of these hazard ratings, associated with the dental surgery, must be considered and installation of dental consoles must comply with Section 4 of AS/NZS 3500.1.

The Figure 1 below shows an example of a typical cold water supply connection to a dental console incorporating an isolation valve, a backflow device, a line filter and a pressure limiting valve.



**Figure 1:** Example of a typical dental console water supply connection



## Related Documentation

- Plumbing Regulations 2018
- National Construction Code 2022
- AS/NZS 3500.1:2021 Plumbing and drainage Part 1: Water services

## List of Amendments

- Amended for compliance with current Plumbing Regulations, NCC and Australian Standards
- Update format and content review Format update
- Minor amendments to improve readability

## Document history

<b>Sector</b>	Plumbing
<b>Category</b>	Cold Water Plumbing
<b>Topic</b>	Water supply to dental consoles
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<b>Superseded</b>	<ul style="list-style-type: none"><li>• Version 1, published 01 August 22</li></ul>
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## Contact Us

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