

Plumbing Practice Note CW-02: Water supply for dental consoles

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 CW-01 Cold Water Plumbing – 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 or the Plumbing Regulations 2018.

- **AS** – Australian Standard
- **AS/NZS** – Australian/New Zealand Standard
- **DCAP** – Dual Check Valve with Atmospheric Port
- **NCC** – National Construction Code 2019, 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 and firefighting water services.

At the instances where 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.

While the zone hazard rating for dental surgeries is low, and similarly, individual hazard ratings for dental consoles are also low, the contamination control in accordance with Part BS5.1.4 of the NCC 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.

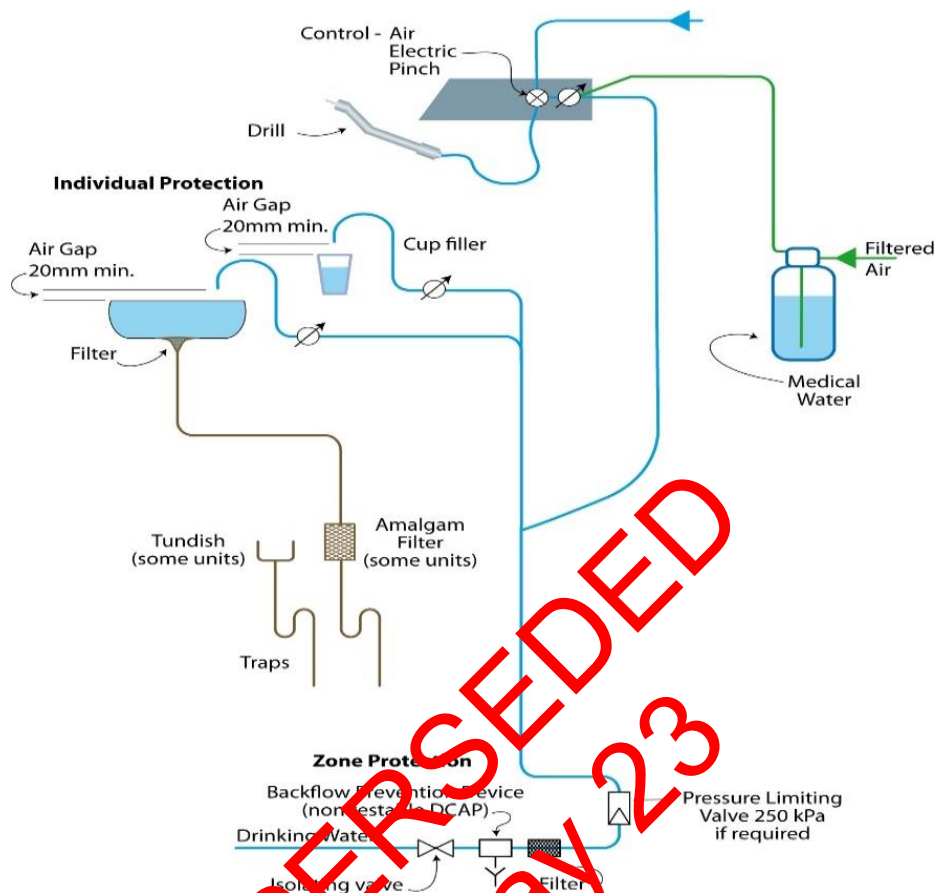


Figure 1: Example of a typical dental console water supply connection

Related Documentation

- Plumbing Regulations 2018
- National Construction Code 2019 Volume Three
- AS/NZS 3500.1:2018 Plumbing and drainage Part 1: Water services

List of Amendments

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

Version History

- Version 1, published 05 August 2022, supersedes Technical Solution Sheet 5.02 Water supply for dental consoles (published April 2014).



Contact Us

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