

Tech Note 31: Potable, RO & Treated Water

TN.31

Applicable Products:

- AusPress Stainless Press-Fit

Related Documents:

- Tech Note TN.01 Chlorides & Stainless Steel
- Tech Note TN.03 Media Suitability Chart (Press-Fit)

AusPress annealed stainless press-fit tube, and fittings fitted with an EPDM ring seal, are suitable for use conveying potable water, deionised, reverse osmosis, rainwater, and other purified water that:

- Meet or exceed the minimum requirements of the Australian Drinking Water Guidelines (ADWG);
- Measure with a pH value greater than 4.0;

As an approved system to WaterMark (AS 3688 & AS 5200.053) plus testing to AS 4020, AusPress stainless press-fit is a system that does not, or contribute to, the microbiological characteristics of the drinking water or contaminate it with heavy metals (eg nickel migration).

Suitable Water Treatment Methods

AusPress Stainless Press-Fit is suitable for water treated by:

- Ozone (wet O₃) up to 2ppm – note this method requires FKM seals, not EPDM;
- Ultraviolet (UV) disinfection;
- Partially demineralised (softened, ion exchange or decarbonised);
- Demineralised (deionised or distilled);
- Membrane (reverse osmosis);
- High purity water with a conductivity less than 0.1µS/cm;
- Alkalisising agents such as orthophosphate or polyphosphate.
- Other methods may be approved by AusPress on request.

Australian Drinking Water Guidelines (ADWG)

In summary, the following conditions form part of the guidelines;

- Used without reservation for any drinking water, and ensures safe hygiene and corrosion resistance at pH-values > 4.0.
- A microbial contamination level of less than 100 colony forming units per millilitre of any drinking water (drinking water quality/microbial contamination < 100 CFU/ml).

Using AusPress Stainless Press-Fit for these applications will not reduce the service life nor effect the warranty when installed to AS 3500 by a licenced plumber in accordance with our installation and technical recommendations.