

**GENERAL**

Before proceeding with the installation of this product, ensure all operating and dimensional specifications are suitable for the intended application. Galvin Specialised products are always to be installed in accordance with the Plumbing Code of Australia (PCA), AS/NZS 3500, and the manufacturers installation instructions.

Improper adjustment, calibration, operation or installation of the product by the customer including incorrect installation of the water supply and/or electrical supply system of which the product forms a part, installation not in accordance with the requirements of the National Plumbing Code AS/NZ 3500.1-2018, SAA Wiring Rules AS/NZ 3000 or any relevant statutory and local requirements in the State or Territory in which the product is installed, may void the product and performance warranty provisions.

If the installation is to be left for extended periods prior to commissioning, ensure that all lines are re-flushed and debris removed from the lines and taps prior to first use, as per AS/NZS 3500.1:2018 Section 18. It is also recommended that installations be regularly operated during extended standstill periods to ensure that internal components are maintained in working condition.

The use of isolation valves and inline filters is highly recommended in all new installations, or where the water supply is known to be of poor quality. In installations where water pressure and/or water velocity is known to be outside of the manufacturers technical specification, the installation of Pressure Reduction Valves (PRV's) and/or water hammer arrestors is recommended.

Care must always be taken to not overtighten fittings – overtightening may cause premature failure of seals, and/or damage threads and compression fittings.

Ensure consideration is given to adequate access to below bench and/or behind wall components for future maintenance.

WATER QUALITY	
Total water hardness	< 200 mg/L
Total dissolved solids (TDS)	< 600 mg/L
• Chlorides	< 250 mg/L
• Magnesium	< 10 mg/L
• Sodium	< 250 mg/L
pH	Minimum pH 6.5
	Maximum pH 8.5

The following clauses must be also observed for the compliant installation and correct operation of Galvin Specialised tapware.

COLD WATER SERVICES	HEATED WATER SERVICES
<p>Plumbing Code of Australia (PCA)</p> <ul style="list-style-type: none"> Part B1 Cold Water Services <p>AS/NZS 3500.1:2018 Water Services</p> <ul style="list-style-type: none"> Section 1.7(a) Facilities for people with disabilities Section 3.3.2 Pressure at outlet (min 50 kPa) Section 3.3.4 Maximum pressure within buildings (500 kPa Static) Section 3.4 Velocity requirement (Max 3.0 m/s) Section 18 Testing and Commissioning: Flushing, hydrostatic testing, cleaning and disinfection of water services. 	<p>Plumbing Code of Australia (PCA)</p> <ul style="list-style-type: none"> Part B2 Heated water services <p>AS/NZS 3500.4:2018 Heated Water Services</p> <ul style="list-style-type: none"> Section 1.11 Water temperature Section 1.11.1 Storage temperature Section 1.11.2 Sanitary fixture delivery temperature Section 1.11.3 Solutions for control of delivery temperature Section 9 Testing and commissioning <p>Note: All heated water installations for sanitary fixtures used primarily for personal hygiene purposes shall deliver heated water at a temperature not exceeding:</p> <ol style="list-style-type: none"> 45°C for healthcare and aged care buildings, early childhood centres, primary and secondary schools, nursing homes, or similar facilities for the aged, the sick, children, or people with disabilities; and 50°C for all other situations (Laundries and kitchen sinks are not required to have heated water at a maximum of 50°C)