WATERMARK

Schedule of Products

WaterMark Certification Scheme

2025-2

Australian Building Codes Board

watermark.abcb.gov.au

The Australian Building Codes Board

The Australian Building Codes Board (ABCB) is a joint initiative of all levels of government in Australia, together with the building industry. Its mission is to oversee issues relating to health, safety, amenity and sustainability in building. The ABCB promotes efficiency in the design, construction and performance of buildings through the National Construction Code, and the development of effective regulatory and non-regulatory approaches. The Board aims to establish effective and proportional codes, standards and regulatory systems that are consistent between states and territories.

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Introduction

The WaterMark Certification Scheme is a mandatory certification scheme for certain plumbing and drainage products to ensure they are fit for purpose for use in a plumbing and drainage installation. The ABCB manages and administers the Scheme.

The National Construction Code – Volume Three, Plumbing Code of Australia (PCA) requires certain plumbing and drainage products to be certified and authorised for use in a plumbing or drainage installation.

The scope of the WaterMark Certification Scheme is based on the following principles:

a) The installation of the product is covered by the PCA and regulated by all States and Territories (excluding State and Territory variations, which vary how the product is regulated through the PCA);
b) The objectives of the Scheme[1]; and
c) The product category is to present a public risk requiring mitigation through the Scheme, as determined by the Protocol for the Assessment of Risks of Plumbing Products[2] and subsequent listing on the WaterMark Schedule of Products.

It is important to note that not all plumbing and drainage products require WaterMark certification. However, all materials and products proposed to be used in a plumbing and drainage installation require a risk assessment to determine if WaterMark certification is necessary.

This document, the WaterMark Schedule of Products, lists products that have been predetermined to require WaterMark certification. Another document, the WaterMark Schedule of Excluded Products, lists products that have been predetermined to not require WaterMark certification to meet the requirements of the PCA.

A material or product intended for use in contact with drinking water must comply with AS/NZS 4020 in accordance with Part A of the PCA.

From time to time the WaterMark Administration may issue Notices of Direction (NoD) which relevant stakeholders must comply with. Any NoD published which may be of relevance to a product or product specification listed on this Schedule has been identified within a note.

NoD 2021/4 *Certification transition arrangements for lead free plumbing products* was published on the ABCB website in December 2021 and has been periodically updated since that time. This NoD includes details regarding the forthcoming lead free material requirements for any product containing copper

[1] ABCB, *Manual for the WaterMark Certification Scheme*, page 23.
[2] ABCB, *Manual for the WaterMark Certification Scheme*, page 85.

alloy which is intended for use in contact with drinking water. A transition period from 1 May 2023 to 30 April 2026 has been provided to comply with these requirements. From 1 May 2026 only products WaterMark certified as conforming to the Lead Free requirements of NCC Volume Three, where required, will be authorised for use in plumbing installations. This schedule indicates the product types for which lead free requirements apply.

The specifications referenced in this Schedule are periodically reviewed and new editions are published. Between editions, amendments may be issued and specifications withdrawn. It is important that readers assure themselves they are using a current specification, which could include any amendments which may have been published since the specification was obtained.

This document is uncontrolled when printed, the information contained within changes from time to time. You should consult the ABCB website to verify its currency.

This version, 2025-2, was published in August 2025.

Appliances

Product type	Product scope/application	Specification	Year	Lead Free Applies
Bedpan washer/sterilizer	Health Care.	WMTS-104 Appliances (miscellaneous)	2018	No
Clothes washing machine	Commercial.	WMTS-101 Appliances and Commercial catering equipment	2025	No
Commercial chilled beverage and ice dispenser	Chilled beverage & ice dispensing machines used primarily for commercial use to dispense ice, water and soda type beverages.	WMTS-105 Appliances – Beverage dispensers and icemakers	2016	Yes
Commercial ice maker	Ice used primarily for human consumption, food storage or food preparation.	WMTS-105 Appliances – Beverage dispensers and icemakers	2016	Yes
Dish washing machine	Commercial.	WMTS-101 Appliances and Commercial catering equipment	2025	No
Disposable nappy disposal unit	Health care.	WMTS-104 Appliances (miscellaneous)	2018	No
Drinking fountains and bottle fillers	Cold or chilled water dispensing apparatus.	WMTS-105 Appliances – Beverage dispensers and icemakers	2016	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Glass washing machine/Milk jug rinser	Commercial.	WMTS-101 Appliances (low hazard rating)	2021	No
Placenta/surgical waste disposal unit	Health care.	WMTS-104 Appliances (miscellaneous)	2018	No
Sanitary napkin disposal unit	Health care.	WMTS-104 Appliances (miscellaneous)	2018	No
Therapeutic Bath	Health care.	WMTS-525 Appliances - Therapeutic baths	2018	No
Water filters and water treatment appliances	Point of use (POU) and point of entry (POE) drinking water treatment systems for drinking water purposes including but not limited to; filters to reduce aesthetic impurities such as chlorine and taste/odour, and reduce a contaminant with a health effect eg carbon filters, and ultraviolet treatment systems, and reverse osmosis systems, and treatment systems for emerging contaminants eg. pharmaceuticals or chemicals, and microbiological water purifiers.	AS 3497 Drinking water treatment systems – Design and performance requirements	2021	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Storage tanks, Deionizing tanks, Strainers, Water sanitizers, Water treatment units, (upstream of appliances) and UV (for non-drinking water purposes, i.e., bathing).	WMTS-103 Water treatment systems (other than those specified in AS 3497)	2016	Yes
Chemical dispensers	Portable (i.e. hand held) dispensing units, including an integral backflow prevention device, for spraying of fertilizers, insecticides, detergents, degreasers or similar contaminable liquids to the atmosphere.	WMTS-033 Spraying apparatus	2016	No
	Non-portable dispensing units, or portable dispensing units (i.e. hand held) with an end of line backflow prevention device, not intended to directly supply drinking water, considered a low risk of back siphonage, connected to the water service and/or sanitary plumbing/drainage system.	WMTS-101 Appliances and Commercial catering equipment	2025	No
Steam generator	Steam generators for the warming of a steam room to a bathing temperature. This may include a sauna.	WMTS-101 Appliances and Commercial catering equipment	2025	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Humidifier	Humidifiers not intended to directly supply drinking water, considered a low risk of back siphonage, connected to the water service and/or sanitary plumbing/drainage system.	WMTS-101 Appliances and Commercial catering	2025	No
Sterilizer	Sterilizers not intended to directly supply drinking water, considered a low risk of back siphonage, connected to the water service and/or sanitary plumbing/drainage system.	WMTS-104 Appliances (miscellaneous)	2018	No
Bedpan macerator	Bed pan macerator appliances are designed to discharge disposable bedpan liners and bottles together with their waste content to the sanitary drainage system.	WMTS-104 Appliances (miscellaneous)	2018	No
Food waste digester	Appliance to break down biodegradable material using microorganisms in the presence of oxygen and to output as grey water.	WMTS-104 Appliances (miscellaneous)	2018	No
Pedicure foot spa	Appliance to deliver tempered water to a receptacle for foot washing and/or hydromassage.	WMTS-101 Appliances and Commercial catering	2025	No
Commercial catering equipment	Appliances used for the preparation, cooking, and holding food.	WMTS-101 Appliances and Commercial catering	2025	No

Sanitary fixtures

Product type	Product scope/application	Specification	Year	Lead Free Applies
Bidet	Bidets intended for use with douche spray below the rim of the bowl. Bidets are not suitable for direct connection to the drinking water supply.	AS 1172.3 - Sanitary plumbing products - Personal hygiene fixtures and appliances - Bidettes and bidets	2019	No
Bidet douche seats	Douche seats using water dispensed by a douche spray for the purposes of personal hygiene that are self-contained for installation on water closet (WC) pans.	WMTS-051 Bidet douche seats	2021	No
Bidette	Bidettes that can be fitted with over-the-rim taps. Bidettes with the prescribed minimum air gap measured after tapware has been fitted may be directly connected to the drinking water supply.	AS 1172.3 – Sanitary plumbing products – Personal hygiene fixtures and appliances - Bidettes and bidets	2019	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Cistern	Flushing cisterns that may either be single-flush or dual-flush which are intended for use with urinals and water closet pans of all types.	AS 1172.2 Water closets (WCs) - Flushing devices and cistern inlet and outlet valves Note: See NoDs 2016/1.1 and NoD 2017/4.4	2014	No
Cistern outlet	Intended as a replacement for, or retrofitted to, flushing cisterns of the types specified in this Standard. The operating function may be of the single- or dual-flush type.	AS 1172.2 Water closets (WCs) - Flushing devices and cistern inlet and outlet valves Note: See NoD 2017/4.4	2014	No
Cistern inlet	Cistern inlet valves intended for use in gravity-fed applications shall operate at a minimum supply pressure of 5 kPa , whilst meeting minimum flow rate requirements as specified in this Standard.	AS 1172.2 Water closets (WCs) - Flushing devices and cistern inlet and outlet valves Note: See NoD 2017/4.4	2014	No
Urinal	Waterless wall-hung urinals manufactured from vitreous china, plastic or stainless steel.	WMTS-459 Waterless urinals - Wall-hung	2018	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Flushing urinals including slab or trough, stall, and wall-hung single-stall or pedestal configuration.	AS 1172.6 Sanitary plumbing products: Flushing urinals	2022	No
	Urinals manufactured from vitreous china, plastics, composite or stainless steel, with an integral self-sealing device that can either be waterless or flushed with a limited volume of water.	WMTS-469 Waterless or limited flush urinals - With an integral sealing device	2022	No
	Vacuum urinals intended for use with vacuum drainage systems.	SA TS 100 Vacuum WC pans, vacuum urinals and interface valves intended for use with vacuum drainage systems and designs	2018	No
Automatic concealed urinal	Plastic bodied in-wall mounted urinal that is concealed when not in use and opens when user enabled by automatic non-contact sensor operation.	WMTS-537 Automatic concealed urinal	2022	No
Water closet	Pans intended for use with flushing cisterns and other flushing devices, including mains and break tank supplied flushing valves.	AS 1172.1 Water closets (WCs) – Pans Note: See NoD 2017/4.4	2014	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Electronically operated water closet (WC) pan and flushing device with included macerating and lifting plant.	WMTS-516 Water closet (WC) - Pan and flushing device with included macerating and lifting plant	2014	No
	Vacuum WC pans intended for use with vacuum drainage systems.	SA TS 100 Vacuum WC pans, vacuum urinals and interface valves intended for use with vacuum drainage systems and designs	2018	No
	Water closet suite with integral odour control device.	WMTS-425 Water closet (WC) suite with integral odour control device (OCD)	2016	No
Flushing sink	Flushing rim with DN 100 spigot	WMTS-526 Flushing sink	2018	No

Tapware

Product type	Product scope/application	Specification	Year	Lead Free Applies
Tapware	Metallic taps, plastic taps, mixing taps, sensor (non-touch) taps, lever taps, timed flow taps, mixing taps mechanical (non-thermostatic), and tapsets in a range of nominal sizes from DN 6 to DN 50, generally for continuous operating temperatures not exceeding 80°C. Including the following tap types: bib, bidette, stop, mixing (non-thermostatic), non-touch, washing machine stop, hose, diaphragm, pillar, laboratory, hand spray, drinking fountain, self-closing, ferrule and tapware with an integral pop up-waste. **** Lead Free exceptions: Bidet tapware; shower mixers, shower bath diverter mixers, floor standing bath filler and included mixers & showers, bath outlets – unrestricted flow, commercial pre-rinse spray tapware (not to apply to included pot fillers) are excluded from the Lead Free requirements.*	AS 3718 Water supply - Tap ware	2021	Yes *(Exceptions: *** are excluded)*

Product type	Product scope/application	Specification	Year	Lead Free Applies
Tap accessories	Metallic taps, plastic taps, mixing taps, sensor (non-touch) taps, lever taps, timed flow taps, mixing taps mechanical (non-thermostatic), and tapsets in a range of nominal sizes from DN 6 to DN 50, generally for continuous operating temperatures not exceeding 80°C. Including the following tap accessories: Breaching set, jumper valve assembly, o-ring, outlet, removable tap seat, replacement seat – copper alloy, replacement seat – stainless steel, spindle, tap body, tap head, tap head assembly and tapset breaching piece.	AS 3718 Water supply - Tap ware	2021	Yes
Shower	A showerhead through which water is intended to pass to form a spray for bathing purposes, which may include a fixed or pivot arm, a flexible hose (with or without a flow controller), tap top assemblies, or other components.	AS/NZS 3662 Performance of showers for bathing	2005	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Metallic taps, plastic taps, mixing taps, sensor (non-touch) taps, lever taps, timed flow taps, mixing taps mechanical (non-thermostatic), hand spray and tapsets in a range of nominal sizes from DN 6 to DN 50, generally for continuous operating temperatures not exceeding 80°C.	AS 3718 Water Supply – Tap ware	2021	Yes *(Exception: Shower mixer tapware is excluded to align with international convention)*
Hand wash station	Hand washing stations which automatically mix water, soap and air for hygienic washing.	WMTS-527 Automatic hand washing stations	2019	No
Thermostatically controlled taps	Thermostatic mixing taps used for ablutionary purposes for use with heated water: a) at a supply temperature not exceeding 90°C; b) with working pressures not exceeding 1400 kPa; and c) of nominal sizes not larger than DN 20. **** Lead Free exceptions: Bidet tapware; shower mixers, shower bath diverter mixers, floor standing bath filler and included mixers & showers, bath outlets – unrestricted flow, commercial pre-rinse spray tapware (not to apply to included pot fillers) are excluded from the Lead Free requirements.*	AS 4032.4 Water supply - Valves for the control of heated water supply temperatures - Thermostatically controlled taps for the control of heated water supply temperatures	2014	Yes *(Exceptions: *** are excluded)*

Product type	Product scope/application	Specification	Year	Lead Free Applies
Flexible hose assemblies	Class 2, 3 and 4 flexible hose assemblies for use with both heated water and cold water supplies with a maximum heated water temperature of 90 °C used for applications above ground and accessible. Nominal sizes range up to DN 50 and with a working pressure not exceeding 1 400 kPa at 20 °C. Class 1 flexible hose assemblies are not eligible for WaterMark Certification.	AS 3499 Water supply - Flexible hose assemblies	2022	Yes

Systems

Product type	Product scope/application	Specification	Year	Lead Free Applies
Purpose-built bathroom module	Prefabricated modules that include integral components, accessories and fittings, designed for direct connection to the water supply and sanitary drainage system.	WMTS-050 Prefabricated modules Note: see NoD 2016/4.0	2018	Refer to component standard
Bathroom appliance	Bathroom appliances which integrate the following fixtures and fittings for concealment when not in use: a) Water closet pans and flushing devices; b) Basin; and c) Pipework and fittings to enable connectivity to water services and sanitary plumbing and drainage systems.	WMTS-524 Bathroom appliances	2018	Refer to component standard
Modular heated water system	Modular heated water systems for the generation of heated water which may incorporate hot, cold and tempered water systems, water heaters and heated and cold water storage tanks.	AS 3498 Water heaters and hot-water storage tanks	2020	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Sanitary waste flushing and dosing system (SWFDS)	Sanitary waste flushing and dosing systems – Water closet 3/2 L capacity or proven equivalent with included sewer dosing unit	WMTS-504 Sanitary waste flushing dosing system (SWFDS) - Water Closet (WC) 3/2 L Capacity or proven equivalent with included sewer dosing unit (SDU)	2013	No
Wash down diversion system	Wash down diversion systems for connection to suitable drainage	WMTS-046 Diversion systems – Wash down and first flush	2016	No

Table notes:

Where the system includes integral plumbing components, accessories or fittings that require certification as identified in the Plumbing Code of Australia, they shall comply with the applicable requirements of the specification for that product, as identified in this schedule.

Where the system includes components or accessories they may be subject to other regulatory requirements e.g. electrical safety, electromagnetic compatibility (EMC), gas safety and energy and water efficiency.

Device and controllers

Product type	Product scope/application	Specification	Year	Lead Free Applies
Meter	Requirements for water meters used to meter the actual volume of cold and heated drinking and non-drinking water flowing through a fully charged closed conduit. Note: Only meters installed within the scope of the PCA require certification.	AS 3565.1 Meters for cold and heated drinking and non-drinking water supplies - Technical requirements	2010	Yes
Flow sensor	Devices that measure flow or flow and temperature within a water supply system (drinking or non-drinking)	AS 3688 Water supply and gas systems – metallic fittings and end-connectors	2016	Yes
Flow control valve	Pressure-compensating flow control devices that deliver a fixed and constant flow rate, throughout a given pressure differential range.	WMTS-037.1 Flow controllers – For controlling flows in cold or heated water systems	2016	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Flow controllers with or without bodies, for use in heated or cold water plumbing systems that may be required to be rated in accordance with AS/NZS 6400.	AS 5200.037.2 Plumbing and drainage products - Flow controllers for use with heated or cold water systems	2008	Yes
Grey water diversion device	Grey water diversion devices employing gravity or pumped discharge, designed to be used in the sanitary drainage system to divert grey water. Note: Products that require connection to a water service are outside the scope.	WMTS-460 Grey water diversion device	2016	No
Rainwater tank connection	Low pressure automated changeover devices of nominal sizes DN15 and DN20 and nominal operating pressure up to and including 400 kPa. **** Lead Free exceptions: changeover devices/connection devices/connection valves in a dedicated service to non-drinking water outlets are excluded from the Lead Free requirements.*	WMTS-466 Rainwater tank connection devices	2016	Yes *(Exceptions: *** are excluded)*
	Automated valves of nominal sizes DN 20/25 and nominal working pressure PN 16. **** Lead Free exceptions: changeover devices/connection devices/connection valves in a dedicated service to non-drinking water outlets are excluded from the Lead Free requirements.*	WMTS-467 Rainwater tank connection valve	2016	Yes *(Exceptions: *** are excluded)*
	Manual or automated changeover devices of nominal sizes DN 20/25 and maximum allowable operating pressures up to and including 1600 kPa. **** Lead Free exceptions: changeover devices/connection devices/connection valves in a dedicated service to non-drinking water outlets are excluded from the Lead Free requirements.*	WMTS-477 Rainwater/mains supply changeover devices	2016	Yes *(Exceptions: *** are excluded)*

Product type	Product scope/application	Specification	Year	Lead Free Applies
Sewer dosing unit	Inline sewer dosing units (SDUs) intended to temporarily store and deliver measured volumes of waste water to the sewer line.	WMTS-499 Inline sewer dosing unit (SDU)	2016	No
Overflow relief waste outlet	Plastic bodied DN 100 overflow relief waste outlet with integral cap-stopper.	WMTS-498 Plastic Fittings - Overflow relief waste outlet (ORWO) with integral cap-stopper	2014	No
Anti infiltration device	Moulded PVC-U anti-infiltration overflow-relief devices, of nominal size DN 100, that are intended, upon installation in an overflow relief gully (ORG).	WMTS-501 Anti-infiltration overflow-relief device	2016	No
Leak protection valve	Metallic bodied safety shut valves for use in hot and cold water applications where the maximum operating pressure does not exceed 1400 kPa and the maximum temperature does not exceed 85ºC.	WMTS-479 Flood stop safety valve	2020	Yes
Pressure compensating tank	Pressure-compensating tanks, for use within cold and heated water supply systems incorporating water supply pumps or systems with fluctuating pressures.	WMTS-485 Pressure compensating tank	2018	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Prefabricated cold water storage tank	Prefabricated cold water storage tanks constructed from copper, galvanized steel, stainless steel, plastics and dezincification-resistant copper alloy up to 50,000 L capacity installed within a cold water system. Note: This excludes tanks installed outside of the scope of the PCA.	WMTS-026 Cold water storage tanks	2016	Yes
Rotationally moulded cold water storage tank	Rotationally moulded storage tanks that are manufactured in one-piece, single or multi-layer, seamless construction. The tanks are for non-buried, partially-buried and buried installation and capable of containing water or liquids used in food and beverage manufacture. Note: This excludes tanks installed outside of the scope of the PCA.	AS/NZS 4766 Rotationally moulded buried, partially buried and non-buried storage tanks for water and chemicals	2020	Refer to component standard
Water Hammer arrestor	Metal-bodied water hammer arresters of DN 15 to DN 50 sizes for heated (up to 80°C) and cold-water applications and supply pressures up to 1.2 MPa.	AS 5200.007 Metal-bodied water hammer arresters	2008	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Water conditioner	Metallic or plastic bodied in line or end of line water treatment devices for conditioning of water and prevention of scaling	AS 3497 Drinking water treatment systems - Design and performance requirements	2021	Yes
Water meters with integral shut off valve	Inline water meter with an integral shut off valve for installation into a existing service valve. The meter may be installed in cold or hot water service pipelines. A water meter that complies with this standard is intended for installation downstream of the network utility operators property water meter.	WMTS-530 Water meters with integral shut off valve	2020	Yes
Wet well washers	Prefabricated washing device consisting of a rotating arm with included spray nozzles designed specifically for use with wet wells and tanks. These devices are designed to be permanently fixed to the wet well and not portable.	WMTS-533 Wet well washers	2022	No

Heated Water Products

Product type	Product scope/application	Specification	Year	Lead Free Applies
Instantaneous (continuous flow) water heater	Electric resistance.	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
	Gas, such as Liquefied petroleum gas (LPG) and Natural gas NG).	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
Storage water heater	Electric resistance (direct and indirect).	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
	Gas, such as Liquefied petroleum gas (LPG) and Natural gas NG).	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
Solar water heating system	N/A	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
Heat exchange water heaters	N/A	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
Calorifier	N/A	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
Heated water and pre-heat storage	N/A	AS 3498 Water heaters and hot-water storage tanks	2020	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Boiling water dispenser	Boiling Water Dispensers and appliances dispensing hot water at near boiling temperature. Noting that integral components are to be assessed to their applicable specification.	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
Hot water manual or sensor activated pumping system	Demand-activated heated water pumping system for use in a dedicated heated water recirculation line.	WMTS-464 Hot water manual or sensor-activated pumping systems	2016	Yes
Heated water circulating device	Plastics-bodied heated water circulating devices for use in a dedicated heated water recirculation line.	WMTS-472 Heated water system recirculation device	2016	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Geothermal energy heat pump system for home air conditioning and supplementary potable water heater	Geothermal system for air conditioning and storing energy in the water contained in a storage tank. During the cooling period, heat extracted from the ambient by the system is stored in water, and the heat transfer is facilitated by a stainless steel heat exchanger. The water is stored in an electric storage water heater. When the temperature in the tank gets to 60^0C, heat transfer from the refrigerant to the waterside is stopped by de-energizing a pump that transfers water from the storage tank to the heat exchanger and back to the storage tank. Water Mark Certification is only for components covered under the Plumbing Code of Australia (PCA). WaterMark Certification shall not be used to cover off on components that may lie outside the PCA scope, such as refrigeration equipment.	AS 3498 Water heaters and hot-water storage tanks	2020	Yes
Leak protection device	Devices specifically designed to detect leaks and isolate the water supply to heated water systems utilised in association with a safe tray	WMTS-476 Heated Water Systems – Leak protection device	2016	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Thermal switching valve	Metallic-bodied thermal switching valves intended to automatically switch the flow of water to one of two outlets, depending upon the temperature of the inlet water. Thermal switching valves are required to operate at — continuous operating temperature not exceeding 85°C and 99°C under emergency conditions; and continuous working pressure not exceeding 1400 kPa.	WMTS-481 Thermal switching valves	2016	Yes
Heated water system cold water recovery device	Water recovery device installed in the heated and cold water supply systems. The device transfers water as the first flush in a heated water line to be stored and used back in the cold water supply system or diverted to be used for other purposes.	WMTS-475 Heated Water Systems – Cold water recovery device	2016	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Plate heat exchangers	Plate heat exchangers intended to be used in heated water supply systems for the indirect heating/cooling of water in a plumbing system. These products are components of a water heating/cooling system and designed in various configurations including number of plates, plate design and size in order to suit the installation. They may be single or double wall construction and function with a heat exchange fluid in the primary circuit and water in the secondary circuit.	WMTS-528 Plate heat exchangers – Indirect heating/cooling of water in a plumbing system	2021	Yes

Valves - Isolation

Product type	Product scope/application	Specification	Year	Lead Free Applies
Ball valve	Metal and plastic bodied ball valves for installation between the reticulation water main and the property water meter in nominal sizes DN 15, 20, 25, 32, 40 and 50 at allowable operating pressures of PN 16 and 25 and continuous operating temperatures not exceeding 60°C. Products include service connection ball valves, service connection termination ball valves and the right angle meter assembly ball valves.	AS 4796 Water supply - Metal-bodied and plastic (bodied ball valves for property service connection)	2016	Yes
	Miscellaneous type metallic and plastic bodied in-line valves for use in water supply systems.	AS 3718 Water supply - Tap ware	2021	Yes
	DN 6 to 100 one-piece and two piece metal-bodied in-line ball valves intended for non-buried installations, including 2 way and 3 way valves.	AS 5830.1 In-line ball valves for use in plumbing water supply systems – metal bodied	2012	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Butterfly valve	PN 10 and 16 manually operated, resilient-seated, seal-on-body wafer and tapped lugged butterfly valves in the size range of DN 50 to 600 with a maximum operating temperature of 40°C.	AS 4795.1 Butterfly valves for waterworks purposes - Wafer and lugged	2011	Yes
	PN 10, 16, 21 and 35 manually operated resilient-seated double-flanged butterfly valves with a maximum operating temperature of 40°C. Including manual actuators, gearboxes and standard spindle caps of the following nominal sizes: a) Seal on disc DN 300 to DN 2000. b) Seal in body DN 80 to DN 2000. c) Seal on body DN 80 to DN 2000.	AS 4795.2 Butterfly valves for waterworks purposes Double flanged	2025	Yes
Heated water isolating valves	Isolating valves primarily intended for use in a heated water service.	AS 1357.2 Valves primarily used in heated water systems – Control valves	2023	Yes
Gate valve	Ductile iron PN 16 and 35 solid gate metal-bodied metal-seated gate valves with a maximum operating temperature of 40°C.	AS/NZS 2638.1 Gate valves for waterworks purposes - Metal seated	2011	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Ductile iron – PN 16 and 25 metal-bodied resilient-seated gate valves with a maximum operating temperature of 40°C.	AS/NZS 2638.2 Gate valves for waterworks purposes – Resilient seated	2011	Yes
	Copper alloy - Metallic gate valves of nominal sizes DN 8 to 100 for use in heated and cold water applications where the operating temperature does not exceed 99°C.	AS 1628 Water supply - Metallic gate, globe and non-return valves	1999	Yes
Globe valve	Metallic globe valves of nominal sizes DN 8 to 100 for use in heated and cold water applications where the operating temperature does not exceed 99°C.	AS 1628 Water supply - Metallic gate, globe and non-return valves	1999	Yes
Hydraulically operated automatic control valve	Metallic-bodied PN 16, 21 and 35 hydraulically operated, diaphragm or piston-actuated, globe or piston-style, automatic control valves of sizes DN 40 to 900 (inclusive) with a maximum operating temperature of 40°C.	AS 5081 Hydraulically operated automatic control valves for waterworks purposes	2008	Yes
Solenoid valve	Metallic and plastics-bodied valves that are actuated by way of an electric solenoid valve and intended to be installed in the water service.	WMTS-030 Solenoid valves	2016	Yes

Valves – Backflow prevention

Product type	Product scope/application	Specification	Year	Lead Free Applies
Combination pressure limiting and dual check valve (CV)	A combination pressure limiting with dual check valve classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements Note: See NoD 2017/4.4	2022	Yes
	Inlet pressure control valves primarily for use in a heated water service.	AS 1357.2 Valves primarily for use in heated water systems – control valves Note: See NoD 2017/4.4	2023	Yes
Non-return valve	Non-return valves that may be a separate valve or part of a combination valve that is to be fitted to the inlet of a water heater.	AS 1357.1 Valves primarily for use in heated water systems Protection valves	2019	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Single check valve	Metallic non-return valves of nominal sizes DN 8 to 100 for use in heated and cold water applications where the operating temperature does not exceed 99°C.	AS 1628 Water supply - Metallic gate, globe and non-return valves	1999	Yes
	A single check valve (testable) classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Vented double check valve	Vented double check valve classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices (Materials, design and performance requirements)	2022	Yes
Vacuum breaker check valve (VBCV)	Vacuum breaker check valve classified as PN 10, 12 or 16	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Reduced pressure zone device (RPZD)	A reduced pressure zone device classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Reduced pressure detector assembly (RPDA)	A reduced pressure detector assembly classified as PN 10, 12 or 16	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Pressure type vacuum breaker (PVB)	A pressure type vacuum breaker classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Hose connector vacuum breaker (HCVB)	A hose connection vacuum breaker classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Double check detector assembly (DCDA)	A double check detector assembly classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Dual check valve (Dual CV)	A dual check valve classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Double check valve (DCV)	A double check valve classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Dual check valve with intermediate vent (Du CV)	A dual check valve with intermediate vent classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Dual check valve with atmospheric port (DCAP)	A dual check valve with atmospheric port classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Beverage dispenser dual check valve with atmospheric port (BDDC)	A hose connection vacuum breaker classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Atmospheric vacuum breaker (AVB)	An atmospheric vacuum breaker classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Anti-spill pressure vacuum breaker (APVB)	A spill-resistant pressure vacuum breaker classified as PN 10, 12 or 16.	AS/NZS 2845.1 Water supply - Backflow prevention devices - Materials, design and performance requirements	2022	Yes
Non-return reflux valve	Non-return reflux valves of nominal sizes DN 8 to 100 for use in heated and cold water applications where the operating temperature does not exceed 99°C.	AS 1628 Water supply - Metallic gate, globe and non-return valves	1999	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Non-return reflux valve	Metal-bodied flanged non-return valves (swing check and tilting disc types) for use in water supply and pressure sewerage systems (swing check only) suitable for operation in both horizontal and vertical positions. Includes Class 16 and 35 valves in the size range DN 80 to 750, inclusive, with the maximum temperature of the medium flowing through the valve not exceeding 60°C. Products include: Non-return, free-acting valve, Non-return valve with extended hinge pin suitable for position indication, micro-switches, counterweight lever arm and counterweight. Non-return valve fitted with position indicator and/or counterweight lever arm and counterweight. Counterweight lever and counterweight for retrofit to valve with extended hinge pins. Non-return valve with resilient seated disc.	AS 4794 Non-return valves - Swing check and tilting disc	2001	Yes
Non-return reflux valve	PVC-U (Polyvinyl Chloride Unplasticised) and ABS (Acrylonitrile Butadiene Styrene) plastics bodied reflux valves of nominal sizes DN 100 to 600 intended for waste water.	WMTS-006 Reflux Valves - Sewerage	2014	No

Valves – General

Product type	Product scope/application	Specification	Year	Lead Free Applies
Expansion control valve	Expansion control valves primarily intended for use in warm and heated water systems operating at a: a) continuous operating temperatures not exceeding 85°C and 99°C in emergency conditions b) continuous working pressure not exceeding 1400 kPa.	AS 1357.1 Valves primarily for use in heated water systems Protection valves Note: See NoD 2017/4.4	2019	Yes
Trap priming valve	Metallic-bodied valves that are connected to the water supply system and primarily utilised for the priming of sanitary traps.	WMTS-420 Trap-priming valves	2016	No
Flushing valve	Flushing valves and devices intended for use with urinals and water closet pans of all types, including: flushing valves for mains supply incorporating air gap pipe disconnections (manual or sensor operated; and flushing valves for use with break tank supply.	AS 1172.2 Water closets (WCs) Flushing devices and cistern inlet and outlet valves Note: See NoD 2017/4.4	2014	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Float control valve	Active float control valves for use in water supply systems where the normal working temperature does not exceed 95°C and the continuous working pressure extends up to a maximum of 1.4 MPa for a range of nominal sizes from DN 6 to 80. Note: Water closet cistern flushing valves are outside of the scope.	AS 1910 Water supply - Float control valves for use in hot and cold water	2004	No
In-line valve	Metallic and non-metallic in-line valves for use in water supply systems including balancing valves	WMTS-012 In-line valves for use in plumbing water supply systems – Miscellaneous types metallic and non-metallic. See NoD 2017/4.4	2018	Yes
Pressure ratio valve	Inlet pressure control valves primarily intended for use in a heated water service.	AS 1357.2 Valves primarily for use in heated water systems - Control valves	2023	Yes
	Pressure ratio valves greater than DN 50 that are intended for use in cold water systems at continuous working pressures not exceeding 1400 kPa.	WMTS-052 Metallic-bodied inlet pressure control valves greater than DN 50	2024	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Inlet pressure control valve	Inlet pressure control valves primarily intended for use in a heated water service.	AS 1357.2 Valves primarily for use in heated water systems - Control valves	2023	Yes
Pressure-reducing valve	Inlet pressure control valves primarily intended for use in a heated water service.	AS 1357.2 Valves primarily for use in heated water systems - Control valves	2023	Yes
	Pressure-reducing valves greater than DN 50 that are primarily intended for use in cold water systems at continuous working pressures not exceeding 1400 kPa.	WMTS-052 Metallic-bodied inlet pressure control valves greater than DN 50	2024	Yes
Pressure-limiting valve	Inlet pressure control valves primarily intended for use in a heated water service.	AS 1357.2 Valves primarily for use in heated water systems - Control valves	2023	Yes
	Pressure-reducing valves greater than DN 50 that are primarily intended for use in cold water systems at continuous working pressures not exceeding 1400 kPa.	WMTS-052 Metallic-bodied inlet pressure control valves greater than DN 50	2024	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Pressure / temperature relief valve	Temperature and pressure relief valves within the range of DN 15 to 50.	AS 1357.1 Valves primarily for use in heated water systems Protection valves Note: See NoD 2017/4.4	2019	Yes
Recirculation valve	Valves used in heated water recirculation systems.	WMTS-453 Heated water systems – Thermostatic circulation valve	2016	Yes
	Valves that are utilised to control the temperature in heated water recirculation systems through balancing of the flow.	WMTS-468 Hot water systems – Recirculation valves	2019	Yes
Primary temperature control valve	Primary temperature control valves primarily intended for use in a heated water service.	AS 1357.2 Valves primarily used in heated water systems – Control valves	2023	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Tempering valve	Tempering valves of nominal sizes not larger than DN 32 and end-of-line temperature-actuated devices of nominal size not larger than DN 25, for use with heated water: a) at continuous operating temperature not exceeding 85°C and 99°C under emergency conditions; and b) a continuous working pressure not exceeding 1400 kPa.	AS 4032.2 Water supply - Valves for the control of hot water supply temperatures Tempering valves and end-of-line temperature-actuated devices. Note: See NoD 2017/4.4	2005	Yes
Thermostatic mixing valve	Metallic-bodied thermostatic mixing valves of nominal sizes not larger than DN 50 for use with heated water exceeding 90°C; and heated and cold water working pressures not exceeding 1400 kPa.	AS 4032.1 Water supply - Valves for the control of heated water supply temperatures Thermostatic mixing valves Note: See NoD 2017/4.4	2024	Yes
Thermosiphon arrestor valve	Thermosiphon arrestor valves primarily intended for use in a heated water service.	AS 1357.2 Valves primarily for use in heated water systems - Control valves	2023	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Vacuum relief valve	Vacuum relief valves not intended to prevent backflow or back-siphonage.	AS 1357.2 Valves primarily for use in heated water systems - Control valves	2023	Yes
Vacuum interface valve	Vacuum interface valves intended for use with vacuum drainage systems.	SA TS 100 Vacuum WC pans, vacuum urinals and interface valves intended for use with vacuum drainage systems and designs	2018	No
Pressure attenuator vent valve	Pressure attenuator devices for use in sanitary plumbing and drainage systems intended for operation within the temperature range of 0°C to 40°C	WMTS-463 Pressure attenuator	2015	No
Air admittance (induct/one way) vent valve	Air admittance valves including those that are integral to a fixture trap where the air temperature is between 0°C and 60°C.	AS/NZS 4936 Air admittance valves (AAV's)	2002	No
Metallic pressure differential bypass valve	For use in heated water systems up to DN32 with continuous operating temperatures not exceeding 85°C and pressures not exceeding 1000 kPa.	WMTS-534 Metallic pressure differential bypass valves used in heated water systems	2021	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Anti-slam air valve	Anti-slam air valve from DN 15 to DN 250, with a maximum operating temperature of 70°C. NOTE: AS 4956 should be read in conjunction with this specification	WMTS-535 Anti-slam air valves for plumbing applications	2022	Yes

Fire service

Product type	Product scope/application	Specification	Year	Lead Free Applies
Fire sprinkler heads	Fire sprinkler heads for domestic applications incorporated in a domestic water supply in buildings.	WMTS-486 Fire sprinkler heads for domestic applications	2016	No
Spring hydrants	Flanged ductile cast iron spring hydrant valves with resilient seat for waterworks purposes. Class 16 valves of nominal size DN 80 with either DN 80 or DN 100 flange with a maximum working temperature of 60°C.	AS 3952 Water supply - Spring hydrant valve for waterworks purposes	2002	No

Jointing products

Product type	Product scope/application	Specification	Year	Lead Free Applies
Brazing alloy	Jointing material utilized in the installation of water supply plumbing systems.	WMTS-014 Jointing materials	2016	No
Solder	Jointing material utilized in the installation of water supply plumbing systems.	WMTS-014 Jointing materials	2016	No
Elastomeric seals and gaskets	For use in water, sewerage and drainage systems.	AS 1646 Elastomeric seals for waterworks purposes	2007	No
	Unreinforced elastomeric and reinforced and unreinforced compressed non-asbestos fibre flange gaskets and elastomeric O-rings suitable for jointing flanges and other flange standards, for: a) cold potable water supply (up to 40°C); and b) drainage and sewerage systems (continuous flow up to 45°C and intermittent flow up to 95°C).	WSA 109 Flange gaskets and o-rings	2011	No
Lubricant	Jointing material utilized in the installation of water supply plumbing systems.	WMTS-014 Jointing materials	2016	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Priming fluid	Solvent cements and priming fluids used in the jointing of: a) tapered/interference and parallel/no or low interference fit polyvinyl chloride (PVC-U and PVC-M) pressure and non-pressure piping systems; b) acrylonitrile butadiene styrene (ABS) pressure and non-pressure piping systems; and c) ABS and acrylonitrile styrene acrylate (ASA) fittings for non-pressure drainage applications with PVC-U pipes.	AS 3879 Solvent cements and priming fluids for PVC (PVC-U and PVC-M) and ABS and ASA pipes and fittings	2011	No
Solvent cement for polyvinyl chloride (PVC-U and PVC-M)	Solvent cements and priming fluids used in the jointing of tapered/interference and parallel/no or low interference fit polyvinyl chloride (PVC-U and PVC-M) pressure and non-pressure piping systems.	AS 3879 Solvent cements and priming fluids for PVC (PVC-U and PVC-M) and ABS and ASA pipes and fittings	2011	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Solvent cement for acrylonitrile butadiene styrene (ABS) and acrylonitrile styrene acrylate (ASA)	Solvent cements and priming fluids used in the jointing of - acrylonitrile butadiene styrene (ABS) pressure and non-pressure piping systems; and ABS and acrylonitrile styrene acrylate (ASA) fittings for non-pressure drainage applications with PVC-U pipes.	AS 3879 Solvent cements and priming fluids for PVC (PVC-U and PVC-M) and ABS and ASA pipes and fittings	2011	No
Sealant (general)	Jointing material utilized in the installation of water supply plumbing systems.	WMTS-014 Jointing materials	2016	No
Thread sealant	Jointing material utilized in the installation of water supply plumbing systems.	WMTS-014 Jointing materials	2016	No
Roll-grooved fittings	Metallic body pipe fittings and connectors for use with copper tube, stainless steel pipe and tube and adaptor fittings for connection to other pipe materials in water supplies with a maximum operating pressure does not exceed 2,100 kPa. Note: Product testing specific to gas products are not required.	AS 3688 Water supply and gas systems – metallic fittings and end connectors Note: See NoD 2017/4.4	2016	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Transitional fittings	Plastic-bodied transition couplings intended to join PE, PB, PEX, PP, PVC, ABS, copper, ductile iron, cast iron, lead, stainless steel and galvanized steel pipes for cold water applications (with a maximum operating pressure of 1250 kPa at 20°C) to each other and to themselves (i.e., PE to copper), for pipe/tube sizes up to 110 mm outside diameter.	AS 5200.458 Plumbing and drainage products - Universal plastic-bodied transition couplings	2008	Yes

Pipes – Metallic

Product type	Product scope/application	Specification	Year	Lead Free Applies
Copper alloy pipe	Round seamless copper alloy tubes intended for use in pressure and non-pressure plumbing and drainage applications as follows: a) Brass tubes intended primarily for sanitary plumbing services; and b) Copper nickel tubes intended primarily for water services.	AS 3795 Copper alloy tubes for plumbing and drainage applications	1996	Yes
Copper pipe	Round seamless copper tubes intended for use in pressure and non-pressure plumbing and drainage applications. Note: Product testing specific to gas products are not required.	AS 1432 Copper tubes for plumbing, gasfitting and drainage applications	2004	No
Ductile Iron pipe	Ductile iron pressure pipes centrifugally cast in moulds, and ductile iron fittings of nominal sizes up to and including DN 750. Pipes intended primarily for conveying water under pressure, but may be used for conveying sewage or other liquids.	AS/NZS 2280 Ductile iron pipes and fittings	2020	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Stainless steel pipe	Stainless steel pipes and tubes in the range of DN 15 to DN 300 used in hot and cold water supply systems.	AS 5200.053 Stainless steel pipes and tubes for pressure applications Note: See NoD 2017/4.4	2008	No
	Pipes for non-pressure applications in the operating temperature range from - 40 C to 100 C.	AS 3495 Authorization requirements for plumbing products - Stainless steel non-pressure pipes and fittings	1997	No
Stainless steel/nano-antibiotic PP-R pipe	Composite piping system consisting of a stainless steel outer casing bonded to an inner layer of polypropylene (PP-R), which includes a contact layer of nano-antibiotic material for use in cold and heated water supply systems at continuous operating temperatures up to 80°C with short exposures up to 100°C and continuous working pressures not exceeding 1.4 MPa.	WMTS-473 Stainless steel/nano-antibiotic PP-R pipe systems for water supply applications	2016	No
Cast Iron pipe	Cast iron pipeline components used for the construction of discharge systems for buildings and of	EN 877 Cast iron pipe systems and their components for the evacuation of water from works	2021	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	drains, normally as gravity systems. Nominal sizes are inclusive of DN 40 to 600.			
Grey cast iron pipe	Cast grey iron (flake graphite) non-pressure pipes and fittings up to nominal size DN 300, intended to be used where the internal working pressure is negligible.	AS 1631 Cast grey and ductile iron non-pressure pipes and fittings	1994	No
Aluminium alloy pipe	Aluminium alloy piping for the conveyance of water in sizes ranging from DN 15 to DN 150, with an internal plastics lining for above-ground applications. For use at operating temperatures up to 70°C, operating pressures (inclusive surge) of 1920 kPa and a maximum allowable site test pressure of 2000 kPa.	WMTS-491 Aluminium alloy piping system with plastics lining for plumbing water services applications	2016	No

Pipes – Plastic

Product type	Product scope/application	Specification	Year	Lead Free Applies
Acrylonitrile butadiene styrene (ABS) pipe	Acrylonitrile butadiene styrene (ABS) compounds (ABS 120, ABS 140, ABS 160 and ABS 180), pipes for the conveyance of liquids under pressure.	AS/NZS 3518 Acrylonitrile butadine styrene (ABS) compounds, pipes and fittings for pressure applications	2013	No
	Acrylonitrile butadiene styrene (ABS) piping system for the conveyance of water under pressure for use at continuous operating temperatures up to 70°C, allowable operating pressures up to 1600 kPa in sizes ranging from DN 20 to 110 for use with ABS fittings.	WMTS-507 Acrylonitrile Butadiene Styrene (ABS) Piping System with Stainless Steel Lining for Plumbing Water Service Applications	2014	No
Cross-linked polyethylene pipe	Cross-linked polyethylene pipes for the conveyance of fluids under pressure including: water, wastewater and slurries.	AS 2492 Cross-linked polyethylene (PE-X) pipes for pressure applications Note: See NoD 2017/4.4	2007	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Macro composite pipe	Multilayer piping systems intended to be used for heated and cold water installations inside buildings.	AS 4176.2 Multilayer piping systems for hot and cold water plumbing applications – pipes Note: See NoD 2017/4.4	2010	No
Polybutylene (PB) pipe	Polybutylene pipe of pressure class PN16 up to 28 mm nominal outside diameter for heated and cold water applications. Note: This does not apply to pipes with a wall thickness of less than 1.6 mm.	AS/NZS 2642.2 Polybutylene (PB) plumbing pipe systems Polybutylene (PB) pipe for hot and cold water applications Note: See NoD 2017/4.4	2008	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Polyethylene (PE) pipe	Polyethylene pipes for the conveyance of fluids under pressure including, but are not restricted to, water, wastewater, slurries.	AS/NZS 4130 Polyethylene (PE) pipes for pressure applications	2018	No
	Solid-wall polyethylene (PE) pipes for soil and waste discharge (low and high temperature) of nominal sizes DN 32 to DN 315 for installation inside buildings Note: Pipework intended to be buried is outside of the scope.	AS/NZS 4401 Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings - Polyethylene (PE) Note: See NoD 2017/4.4	2006	No
	Polyethylene (PE) pipes greater than DN 100 for sewerage and drainage applications, above and below ground, inside and outside of buildings, and intended to be used where the pipeline is operating under gravity flow and the operating pressure is low. It includes plain and structured wall pipes.	AS/NZS 5065 Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications Note: See NoD 2017/4.4	2005	No
Polypropylene (PP) pipe	Polypropylene (PP) piping systems intended to be used for heated and cold water installations within buildings.	ISO 15874-1 Plastic piping systems for hot and cold water installations – Polypropylene (PP) - General.	2013	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Polypropylene (PP) for piping systems intended to be used for heated and cold water installations within buildings.	ISO 15874-2 Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Pipes Note: See NoD 2017/4.4	2013	No
	Solid-wall polypropylene (PP) pipes for soil and waste discharge (low and high temperature) inside buildings. Note: Pipework intended to be buried is outside of the scope.	AS/NZS 7671 Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings	2010	No
	Polypropylene (PP) pipes greater than DN 100 for sewerage and drainage applications intended to be used where the pipeline is operating under gravity flow and the operating pressure is low. It includes plain and structured wall pipes.	AS/NZS 5065 Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications Note: See NoD 2017/4.4	2005	No
Polyvinyl chloride (PVC) pipe	PVC pipes for pressure applications.	AS/NZS 1477 PVC pipes and fittings for pressure applications	2017	No
	PVC-U pipes for sewer, drain, waste and vent applications intended to be used where the pipeline is operating under gravity flow and the operating pressure is low, both plain and structured wall pipes.	AS/NZS 1260 PVC-U pipes and fittings for drain, waste and vent applications	2017	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Pipes made of oriented unplasticised polyvinyl chloride (PVC-O).	AS/NZS 4441 Oriented PVC (PVC-O) pipes for pressure applications	2017	No
	Pipes of PVC-M for the conveyance of water and wastewater under pressure.	AS/NZS 4765 Modified PVC (PVC-M) pipes for pressure applications	2017	No
Metric polybutylene (PB) pipe	Polybutylene pipe for heated and cold water applications.	AS 5082.1 Polybutylene (PB) plumbing pipe systems - Metric series - Metric polybutylene (PB) pipes for hot and cold water applications	2007	No
Glass-filament-reinforced thermosetting plastic (GRP) pipe	Glass-reinforced thermoplastics (GRP) pipes based on unsaturated polyester (UP) resin for pressure and non-pressure drainage and sewerage applications	AS 3571.1 Plastics piping systems - Glass-reinforced thermoplastics (GRP) systems based on unsaturated polyester (UP) resin - Pressure and non-pressure drainage and sewerage	2009	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Glass-reinforced thermoplastics (GRP) systems based on unsaturated polyester (UP) resin for pressure and non-pressure water supply applications.	AS 3571.2 Plastics piping systems - Glass-reinforced thermoplastics (GRP) systems based on unsaturated polyester (UP) resin - Pressure and non-pressure water supply	2009	No
Plastic pipe with noise reduction	Noise reduction pipes made of a compound of polypropylene and inert mineral additives for waste and drainage installations with intermittent operating temperatures up to 95°C.	WMTS-508 Plastics piping systems for soil and waste discharge – with noise reduction characteristics	2013	No

Pipes – Other

Product type	Product scope/application	Specification	Year	Lead Free Applies
Cured in Place Pipe (CIPP)	Cured-in-place pipes (CIPP) used for the rehabilitation of above and below ground drainage and sewerage pipelines. The process may be applied to metallic and non-metallic non-pressure piping systems in pipe sizes DN 40 to 1000.	WMTS-518 Rehabilitation of existing non-Pressure Pipelines by the use of Cured In Place Pipe (CIPP)	2017	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Vitrified clay pipe	Perforated pipes made from vitrified clay with or without sockets for the construction of french drains, land drains and drainage of waste tips	EN 295 Vitrified clay pipe systems for drains and sewers	2013	No
Epoxy coating for lining of metallic piping	Epoxy barrier coating system used for lining of metallic cold and heated water pressurised piping systems utilised for drinking water supply. The system may be applied to metallic substrates in pipe sizes DN 15 to 300.	WMTS-511 Epoxy barrier coating system for use in water supply applications	2014	No

Fittings – Metallic

Product type	Product scope/application	Specification	Year	Lead Free Applies
Copper alloy fittings	Metallic body pipe fittings and connectors for use with copper tube, stainless steel pipe, stainless steel tube and adaptor fittings for connection to other pipe materials in water supply systems. Note: Product testing specific to gas products are not required.	AS 3688 Water supply and gas systems - Metallic fittings and end connectors Note: See NoD 2017/4.4	2016	Yes
	Cast, hot-pressed, shell-moulded, and tubular fittings with socket/spigot capillary connection ends for use in non-pressure sanitary plumbing applications with the nominal sizes from DN 32 to 225.	AS 3517 Capillary fittings of copper and copper alloy - Non-pressure sanitary plumbing applications	2007	No
	Copper alloy waste fittings including traps, gullies, waste outlets, gratings and connectors.	AS 1589 Copper and copper alloy waste fittings	2001	No
Copper fittings	Copper waste fittings including traps, gullies, waste outlets, gratings and connectors.	AS 1589 Copper and copper alloy waste fittings	2001	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Metallic body fittings and connectors for use with copper tube, stainless steel pipe, stainless steel tube and adaptor fittings for connection to other pipe materials in water supply. Note: Product testing specific to gas products are not required.	AS 3688 Water supply and gas systems - Metallic fittings and end connectors Note: See NoD 2017/4.4	2016	No
	Cast, hot-pressed, shell-moulded, and tubular fittings with socket / spigot capillary connection ends for use in non-pressure sanitary plumbing applications with the nominal sizes from DN 32 to 225.	AS 3517 Capillary fittings of copper and copper alloy - Non-pressure sanitary plumbing applications	2007	No
Copper and copper alloy gullies and expansion joints	Copper and copper alloy waste fittings for use in sanitary plumbing installations including traps, gullies, waste outlets, gratings, and connectors.	AS 1589 Copper and copper alloy waste fittings	2001	No
Ductile Iron fittings	Fittings intended primarily for use with water supply pressure pipes.	AS/NZS 2280 Ductile iron pipes and fittings	2020	No
Stainless steel fittings	Stainless steel fittings for applications in the operating temperature range from - 40°C to 100°C.	AS 3495 Authorization requirements for plumbing products - Stainless steel non-pressure pipes and fittings	1997	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Metallic body pipe fittings and connectors for use with stainless steel pipe, stainless steel tube and adaptor fittings for connection to other pipe materials in water supply systems where the maximum operating pressure does not exceed 2,100 kPa.	AS 3688 Water supply—Metallic fittings and end connectors Note: See NoD 2017/4.4	2016	No
Stainless steel/nano-antibiotic PP-R pipe fittings	Composite piping system consisting of a stainless steel outer casing bonded to an inner layer of polypropylene (PP-R), which includes a contact layer of nano-antibiotic material intended for use in cold and heated water supply systems at continuous operating temperatures up to 80°C with short exposures up to 100°C and continuous working pressures not exceeding 1.4 MPa.	WMTS-473 Stainless steel/nano-antibiotic PP-R pipe systems for water supply applications	2016	No
Cast Iron fittings	Cast grey iron (flake graphite) non-pressure fittings up to nominal size DN 300 and intended to be used where the internal working pressure is negligible	AS 1631 Cast grey and ductile iron non-pressure pipes and fittings	1994	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Cast iron pipeline components (including gullies) used for the construction of discharge systems for buildings and of drains, normally as gravity systems of nominal sizes of DN 40 to 600 (inclusive).	EN 877 Cast iron pipe systems and their components for the evacuation of water from works	2021	No
Grey cast iron fittings	Cast grey iron (flake graphite) non-pressure fittings (including gullies) up to nominal size DN 300 and intended to be used where the internal working pressure is negligible.	AS 1631 Cast grey and ductile iron non-pressure pipes and fittings	1994	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Aluminium alloy fittings	Aluminium alloy fittings for the conveyance of water for above-ground applications for use at continuous operating temperatures up to 70°C and allowable operating pressures of 1920 kPa in sizes ranging from DN 15 to 150, with an internal plastics lining for use with — a) aluminium alloy fittings with an internal plastics lining and mechanical compression joint system in sizes ranging from DN 15 to 50; and b) roll-grooved system utilizing polymeric-coated ductile iron couplings and associated fittings with rigid elastomeric sealed joints in sizes ranging from DN 50 to 150.	WMTS-491 Aluminium alloy piping system with plastics lining for plumbing water services applications	2016	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Flexible couplings	Metal-banded flexible either with or without metal shear rings to be used in below or above ground low-pressure systems which convey water or waste water designed for jointed items having the same or similar nominal internal diameters. Note: Spigot and socket joints with elastomeric seals and adaptor flexible couplings designed for jointed items having significantly different diameters are outside of the scope.	AS/NZS 4327 Metal-banded flexible couplings for low - pressure applications	1995	No
Repair clamps	Mechanical clamps including: a) Type R clamps primarily for ductile iron, grey cast iron, steel, asbestos cement, copper and reinforced concrete; and b) Type F clamps primarily for PVC-O, PVC-M, PVC-U and GRP.	AS 4181 Repair and off-take clamps for water industry purposes.	2013	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Semi-flexible metallic hose assemblies	Semi-flexible metallic hose assemblies from DN 20 to DN 400 with a working pressure of 1200 to 2500 kPa for use with above ground heated water up to 90°C and cold-water supplies in accessible and not submerged locations.	WMTS-520 Semi-flexible metallic hose assemblies	2016	Yes
Stainless steel flexible assemblies	Flexible assemblies constructed from annularly corrugated stainless steel tube of up to DN 50, for use at continuous operating temperatures up to 80°C and continuous working pressures of at least 1400 kPa intended to be installed above-ground and accessible locations.	WMTS-489 Stainless steel flexible assemblies for pumping applications	2016	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Plastics or metal tapping saddles for assembly on polyethylene (PE) pressure pipes.	AS/NZS 4129 Fittings for polyethylene (PE) pipes for pressure applications	2020	Yes
Mechanical tapping bands	PN 16 mechanical tapping bands for the connection of property service pipes to reticulation water mains including tapping bands, with and without electrical insulation, for mechanical connection to standard water mains. The nominal operating temperature is 0°C to 40°C. The nominal size range of DN 50 to 450 with outlet sizes ranging from DN 15 to 50. Note: Solvent cemented PVC tapping bands are outside of the scope.	AS 4793 Mechanical tapping bands for waterworks purposes	2020	Yes

Fittings – Plastic

Product type	Product scope/application	Specification	Year	Lead Free Applies
Acrylonitrile butadiene styrene (ABS) fittings	Solid-wall acrylonitrile-butadiene-styrene (ABS) fittings for soil and waste discharge (low and high temperature) inside buildings, designed for jointing by means of elastomeric sealing rings, solvent cementing or integral dual-purpose sockets.	ISO 7682 Plastics piping systems for soil and waste discharge	2003	No
Cross-linked polyethylene (PE-X) fittings	Fittings for use with crosslinked polyethylene (PE-X) for pressure heated and cold water applications.	AS/NZS 2537.2 Mechanical jointing fittings for use with crosslinked polyethylene (PE-X), Part 2: Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Fittings Note: See NoD 2017/4.4	2011	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Macro composite fittings	Multilayer piping systems for heated and cold water installations inside buildings.	AS 4176.3 Multilayer piping systems for hot and cold water plumbing applications – Fittings Note: See NoD 2017/4.4	2010	Yes
Polybutylene (PB) fittings	Mechanical jointing fittings suitable for use as fixed joints with polybutylene plumbing pipes.	AS/NZS 2642.3 Polybutylene (PB) plumbing pipe systems Mechanical jointing fittings for use with polybutylene (PB) pipes for hot and cold water applications. Note: See NoD 2017/4.4	2008	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Polyethylene (PE) fittings	Fittings to be used with polyethylene pipe for the conveyance of water and other fluids.	AS/NZS 4129 Fittings for polyethylene (PE) pipes for pressure applications	2020	Yes
	Solid-wall polyethylene (PE) fittings for soil and waste discharge (low and high temperature) of DN 32 to 100.	AS/NZS 4401 Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings - Polyethylene (PE) Note: See NoD 2017/4.4	2006	No
	Polyethylene (PE) fittings greater than DN 100 for sewerage and drainage applications, intended to be used where the pipeline is operating under gravity flow and the operating pressure is low. Including both plain and structured wall fittings.	AS/NZS 5065 Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications Note: See NoD 2017/4.4	2005	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Polypropylene (PP) fittings	Polypropylene (PP) fittings greater than DN 100 for sewerage and drainage applications, intended to be used where the pipeline is operating under gravity flow and the operating pressure is low. Including both plain and structured wall pipes and fittings.	AS/NZS 5065 Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications Note: See NoD 2017/4.4	2005	No
	Polypropylene (PP) fittings for soil and waste discharge (low and high temperature). This is applicable to PP fittings, and assemblies fittings, intended to be used for soil and waste discharge pipework for the conveyance of domestic waste waters (low and high temperature) and associated ventilation pipework. Fittings for jointing by means of elastomeric sealing rings or by butt fusion.	AS/NZS 7671 Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings	2010	No
Polypropylene (PP) fittings	Polypropylene (PP) piping systems intended to be used for heated and cold water installations within buildings.	ISO 15874-3 Plastic piping systems for hot and cold water installations – Polypropylene (PP) – Fittings Note: See NoD 2017/4.4	2013	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
	Polypropylene (PP) piping systems intended to be used for heated and cold water installations within buildings.	ISO 15874-1 Plastic piping systems for hot and cold water installations – Polypropylene (PP) – General	2013	Yes
Polyvinyl chloride (PVC) fittings	PVC-U fittings (including gullies and expansion joints) for sewer, drain, waste and vent applications, intended to be used where the pipeline is operating under gravity flow and the operating pressure is low. Including plain and structured wall fittings.	AS/NZS 1260 PVC-U pipes and fittings for drain, waste and vent applications	2017	No
	PVC fittings for pressure applications where not exposed to direct sunlight.	AS/NZS 1477 PVC pipes and fittings for pressure applications	2017	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Metric polybutylene (PB) fittings	Mechanical and fusion jointing fittings suitable for use as fixed joints with polybutylene pipes of the following types: a) Socket weld fittings. b) Electrofusion fittings. c) Mechanical fittings. d) Fittings with incorporated inserts.	AS 5082.2 Polybutylene (PB) plumbing pipe systems - Metric series - Mechanical and fusion jointing systems	2007	Yes

Product type	Product scope/application	Specification	Year	Lead Free Applies
Glass-filament-reinforced thermosetting plastic (GRP) fittings	Glass-reinforced thermoplastics (GRP) systems based on unsaturated polyester (UP) resin. Used for pressure and non-pressure drainage and sewerage applications.	AS 3571.1 Plastics piping systems - Glass-reinforced thermoplastics (GRP) systems based on unsaturated polyester (UP) resin - Pressure and non-pressure drainage and sewerage	2009	No
	Glass-reinforced thermoplastics (GRP) systems based on unsaturated polyester (UP) resin. For use in pressure and non-pressure water supply applications.	AS 3571.2 Plastics piping systems - Glass-reinforced thermoplastics (GRP) systems based on unsaturated polyester (UP) resin - Pressure and non-pressure water supply	2009	No
Plastic fittings with noise reduction	Noise reduction fittings made of a compound of polypropylene and inert mineral additives for use at intermittent operating temperatures up to 95°C.	WMTS-508 Plastics piping systems for soil and waste discharge – with noise reduction characteristics	2013	No
Plastic waste outlets	A plastic waste outlet which may incorporate components made from either plastic or other materials.	AS 2887 Plastic waste fittings	1993	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Plastic fixture traps	Moulded or fabricated plastic waste fittings suitable for receiving intermittent liquid discharges at temperatures not exceeding 95°C.	AS 2887 Plastic waste fittings	1993	No
Soil waste dump fittings	DN 80 or DN 100 plastics-bodied fitting that is utilised as soil waste dump point for mobile toilet waste disposal.	WMTS-482 Soil waste dump fitting	2016	No
Plastic bodied flexible couplings	Plastic bodied couplings up to DN 300 with included elastomeric element that provides limited flexibility and are utilised in non-pressure rigid pipeline systems.	WMTS-519 Plastic Bodied Flexible Coupling	2024	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Plastic bodied fitting with intermediate flexible joints	Plastics bodied fittings of nominal sizes up to DN 300 with intermediate flexible joints for sewer or drain applications intended to be used where the pipeline is operating under gravity flow and the operating pressure is low.	WMTS-055 Plastic fittings – Connectors with flexible intermediate joints for drainage and sewerage applications	2024	No
Offset pan connectors	Injected moulded offset pan connectors.	WMTS-517 Offset pan connectors	2016	No
	Moulded or fabricated plastic waste fittings used to convey liquids not exceeding 95°C from a fixture to discharge pipework.	AS 2887 Plastic waste fittings	1993	No
	PVC-U fittings for sewer drain, waste and vent application intended to be used where the pipeline is operating under gravity flow and the operating pressure is low.	AS/NZS 1260 PVC-U pipes and fittings for drain, waste and vent applications.	2017	No
Plastic waste fitting	Moulded or fabricated plastic waste fittings used to convey liquids not exceeding 95°C from a fixture to discharge pipework.	AS 2887 Plastic waste fittings	1993	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Fixture connector adaptor	Smooth bore plastic-bodied fixture connector adaptors with an adjustable offset used to provide flexibility at the point of installing fixtures to the sanitary plumbing system.	WMTS-536 Fixture connector adaptor	2022	No

Fittings – Other

Product type	Product scope/application	Specification	Year	Lead Free Applies
Vitrified clay fittings	Perforated fittings (including gullies, adaptors and connectors) made from vitrified clay with or without sockets for the construction of french drains, land drains and drainage of waste tips.	EN 295 Vitrified clay pipe systems for drains and sewers	2013	No
Odour control filters	Filter assemblies of nominal sizes DN 40 to 100, designed to be installed in a sanitary drainage system.	WMTS-483 Odour control filter	2017	No
Waste outlets	Metallic and plastics bodied waste pipe outlets for sanitary plumbing applications.	WMTS-040 Waste pipe connection outlets and gratings, separate or integral. See NoD 2017/4.4	2022	No
Waste gratings	Metallic and plastics bodied waste gratings, separate or integral for sanitary plumbing applications.	WMTS-040 Waste pipe connection outlets and gratings, separate or integral, See NoD 2017/4.4	2022	No
Barrier floor drain trap seals	Barrier type floor drain trap seal protection device for floor drain pipes of nominal sizes DN 40, 50, 80 and 100.	WMTS-522 Fixtures and floor wastes – Supplementary protection devices barrier	2021	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Self-sealing trap	Self-sealing devices of nominal sizes DN 32, 40 and 50.	WMTS-047 Self-sealing devices	2016	No

Shafts and pumping stations

Product type	Product scope/application	Specification	Year	Lead Free Applies
Inspection shaft	Unplasticised polyvinyl chloride (PVC-U), polypropylene (PP) and polyethylene (PE) plastics piping systems for non-pressure underground drainage and sewerage. Specifications for ancillary fittings including shallow inspection chambers.	EN 13598-1 Plastics piping systems for non-pressure underground drainage and sewerage	2010	No
Sanitary pump and lifting station	Appliances for the conveyance of soil and/or waste water from plumbing fixtures to the sanitary drainage system, which may incorporate a macerator.	WMTS-106 Small bore pumping units	2019	No

Product type	Product scope/application	Specification	Year	Lead Free Applies
Maintenance shaft	PVC-U maintenance shaft comprising a fabricated or injection-moulded, or both, chamber jointed to an extruded PVC riser intended for installation in sewerage systems (up to DN 300) for transportation of sewage at atmospheric pressure and average service temperatures up to 25°C.	AS/NZS 4999 PVC-U maintenance shafts	2006	No
	Polypropylene (PP) access chambers / maintenance shafts comprising an injection-moulded chamber for jointing to extruded PVC-U sewers or drains and riser shafts intended for installation in plumbing, sewerage and drainage systems (up to DN 225) for transportation of sewage at atmospheric pressure and the operating temperature is not greater than a nominal 25°C.	WMTS-509 Polypropylene Access Chambers and Maintenance Shafts for Plumbing and Drainage	2018	No

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