

Raymor Boston Laundry Tub

Product Disclosure Information Self-Assessment

Version: V1

Product Name	Raymor Boston Laundry Tub
Product Line	RAYMOR LAUNDRY TUBS
Product Identifier	(7)729208, (7)729209, (7)740880

Product description

Laundry bowl and cabinet with concealed washing machine controls and hot and cold mixer suitable for both mains and low pressures.

Relevant Building Code Clauses

B2 DURABILITY B2.3.1 (i) and (ii)

E3 INTERNAL MOISTURE E3.2(c), E3.3.3, E3.3.4, E3.3.5, E3.3.6

G2 LAUNDERING G2.2

G4 VENTILATION G4.3.3 (Referenced in maintenance requirements)

H1 ENERGY EFFICIENCY H1.2

Contributions to Compliance

B2.3.1 Durability: The 0.8mm galvanised steel, powder-coated cabinet and sink mixer have a 5 year warranty. The European mixer cartridge has a 20 year warranty. The 1.0mm thick, 304 stainless steel bowl, exceeding the thickness required by 20%, has a 20 year warranty from manufacturing defects. 304 stainless contains 18% chromium and 8% nickel. It's the nickel which gives stainless its corrosion resistance quality. It is long-lasting, has high tensile strength, and being 100% recyclable makes it environmentally friendly as well. It is widely used in the food industry as standard food grade stainless steel.

Only high quality german flow restrictors from Neoperl are used in the Raymor Boston Laundry Tub, which reliably limits flow to 9 litres per minute to achieve the 3 star water efficiency rating under WELS for both mains and low pressure situations. (If even greater efficiency is required, this can be requested at the time of ordering.) The flexible tails on the sink mixer are generous at 500mm long for easy installation and discourages kinks which can affect the performance of the mixer and the longevity of the installation.

E3 Internal Moisture: E3.2(c) E3.3.3 and E3.3.4 and E3.3.5 The smooth surfaces of the powder-coated galvanised steel cabinet are easy to wipe clean thereby reducing mould growth. The stainless steel bowl is also easy to keep hygienically clean, which is why it is considered a preferred material in food preparation areas. **E3.3.6** Installed correctly the laundry tub with its pressed bowl and anti-drip lip on the top edge fulfills the requirement of AS/NZS 1229:2002 for rims to be self-draining, thereby reducing the likelihood of water splash on surfaces beyond the laundry tub.

G2 Laundering: G2.2 Installing the Raymor Boston Laundry tub ensures that clothes washing and other cleaning activities can be carried out in separate facilities from food preparation.

G12 Water Supplies: G12.3.7 System flow rates can vary hugely and fixtures like mixers must function properly under normal conditions. The mixer on the laundry tub functions correctly under both mains pressure and low pressure environments, thereby widening the normal range of conditions. Under mains pressure conditions, a pressure compensating aerator (PCA) is installed in the mixer to limit flow to 9 litres per minute, while the flow guide (installed as supplied), combined with a wider diameter flexible tail on the hot side, and a high flow cartridge assists in delivering maximum flow under low pressures. Each individual mixer is pressure tested in New Zealand prior to dispatch to avoid the likelihood of leakage.

H1 Energy Efficiency: H1.2 The mixer on the laundry tub complies with WELS (the Water Efficiency Labelling Scheme) with a 3 star WELS rating, achieved with the use of a high quality german Neoperl pressure compensating aerator (PCA) for mains pressure which limits flow to 9 litres per minute. On low pressure installations, the PCA is not used. The Neoperl grey flow guide is used instead. At time of ordering, customers can request a higher star rating.

Scope of Use

The Raymor Boston Laundry Tub is intended for residential use. It is suitable for both hot and cold water use, and with mains or low pressure systems with minimum pressures of 35kPa.

Conditions of Use

The Raymor Boston Laundry Tub should be installed by a registered plumber following best practice. The mixer is supplied ready for low pressure situations with a german Neoperl flow guide in the aerator. A separate pressure compensating aerator (PCA) is also supplied, but not installed, for installation into the aerator for mains pressure environments. This is required to achieve the WELS rating of 3 stars. After installation, the mixer tails should not be kinked or unduly twisted.

Maintenance Requirements

The powder-coated surface of the galvanised steel cabinet and console can handle water splash but should not be sitting in water for long periods. As well as the tub bowl, the flexitails on the mixer are also stainless steel. Although stainless steel stains less than steel, it is not stain-proof. It is more resistant to corrosion than ordinary carbon or alloy steels but in some circumstances it can corrode. Chemicals ending in "ine" such as chlorine, iodine and bromine will attack stainless steel. This can happen if you store chemicals under the sink. Even if the container has a lid on, it may not be perfectly sealed and can give off vapour which, when combined with any dampness in the air will corrode stainless steel. There's nothing wrong with cleaning the bowl with diluted chlorine, just be sure to rinse it thoroughly afterwards. Leaving metal cleaning scourers or metal utensils sitting in the bowl can also result in corrosion.

To maintain continuous expulsion of dirty water through the waste system, it is recommended every 10th wash should be a hot wash. This ensures that detergent build-up in the line is dissolved.

To prevent mould growth in the laundry, and to increase the life of all the fixtures, install a fan which draws out moisture from the room. To ensure regular use of the fan, you could ask your electrician to link the light switch to the fan. *(This would fulfill obligations under the building code clause **G4.3.3** to remove moisture and*

Sometimes debris in the water line can make its way into the aerator at the end of the spout. You might notice the flow pattern become irregular. Simply unscrew the aerator ring, rinse out and reinstall. There are flats on the aerator ring for grip. Most often this can be unscrewed by hand just with a piece of rubber. If a wrench is needed, still use the rubber to prevent damage to the aerator ring.

In the event maintenance is required, the console can be removed from the top by removing the endcaps which are just clipped on, and then remove the screws on the top at each end. The drawers on a drawer model can also be removed by lifting at the front edge of the drawer then pulling towards you and lifting out. To replace, make sure the drawer slides are fully extended, sit the drawer onto the slides and close the drawer. This will engage the locks.

Warnings and Bans

This product line is not subject to any warning or ban under section 26 of the Building Act 2004.

Contact details

Manufacture location	New Zealand, China, Germany, Hungary
Legal and trading name of manufacturer and importer	AQUATICA NZ LIMITED
Manufacturer/Importer Address for Service	9 Saunders Place, Avondale Auckland 1026
Manufacturer/Importer Website	www.aquatica.co.nz
Manufacturer/Importer NZBN	9429000023962
Manufacturer/Importer Email	info@aquatica.co.nz
Manufacturer/Importer Phone Number	09.828.2068

Building code performance clauses

All relevant building code performance clauses listed in this document:

B2 DURABILITY

B2.3.1 *Building elements* must, with only normal maintenance, continue to satisfy the performance requirements of this code for 5 years if (i) The *building elements* (including services, linings, renewable protective coatings, and *fixtures*) are easy to access and replace, and (ii) Failure of those building elements to comply with the building code would be easily detected during normal use of the building.

E3 INTERNAL MOISTURE

E3.3.5 Surfaces of *building elements* likely to be splashed or become contaminated in the course of the *intended use* of the *building* must be *impervious* and easily cleaned.

E3.3.6 Surfaces of *building elements* likely to be splashed must be constructed in a way that prevents water splash from penetrating behind linings or into *concealed* spaces.

G2 LAUNDERING

G2.2 *Buildings* shall be provided with *adequate* space and facilities for laundering.

G12 WATER SUPPLIES

G12.3.7 *Water supply systems* must be installed in a manner that a) pipes water to *sanitary fixtures* and *sanitary appliances* at flow rates that are adequate for the correct functioning of those *fixtures* and *appliances* under normal conditions; and b) avoids the likelihood of leakage; and c) allows reasonable access to components likely to need maintenance; and d) allows the system and any backflow prevention devices to be isolated for testing and maintenance.

H1 ENERGY EFFICIENCY

H1.2 *Buildings* must be *constructed* to achieve an adequate degree of energy efficiency when that energy is used for a) modifying temperature, modifying humidity, providing ventilation, or doing all or any of those things; or b) providing hot water to and from sanitary fixtures or sanitary appliances, or both.

G4 VENTILATION (*only with reference to Maintenance Requirements*)

G4.3.3 Buildings shall have a means of collecting or otherwise removing the following products from the spaces in which they are generated: **b)** [Moisture] from laundering, utensil washing, bathing and showering and **h)** bacteria viruses or other pathogens.