

Raymor Brighton Mixer, Handshower and Shower Rose

Product Disclosure Information Self-Assessment

Version: V1

Product Name	Raymor Brighton Mixer, Handshower and Shower Rose
Product Line	RAYMOR BRIGHTON TAPWARE
Product Identifier	(7)676400, (7)676396, (7)676397, (7)676398, (7)676399, (7)691720, (7)691721, (7)691722, (7)691723, (7)691724, (7)691725

Product description

Brighton single lever basin and sink mixers, shower mixers, single and multispray handshowers with slide rails and fixed shower roses, also in single and multispray. Suitable for all pressure situations except the multispray handshowers which are suitable for mains pressure only.

Relevant Building Code Clauses

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

E3 INTERNAL MOISTURE E3.3.5

G12 WATER SUPPLIES G12.3.2, G12.3.5, G12.3.7

G4 VENTILATION G4.3.3 (Referenced in maintenance requirements)

H1 ENERGY EFFICIENCY H1.2

Contributions to Compliance

B2.3.1 Durability: Made from brass and with solid metal handles, the Raymor Brighton mixers come with a 5 year warranty. The European cartridge has a 20 year warranty. The finish is achieved with chromium electroplating, which wears well over many years with simple maintenance. Handshowers and Shower Roses have a 2 year warranty.

Only high quality german flow restrictors from Neoperl are used in the Brighton Sink and Basin Mixers, the Single and Multispray Handshowers and the Single and Multispray Roses. These restrictors reliably limit flow to achieve the relevant water efficiency star rating under WELS for both mains and low pressure situations. (The star ratings for each product are listed on the next page under H1 Energy Efficiency.)

The sink mixer has 500mm long tails for easy installation and to minimise kinking or twisting. The Sink and Basin Mixers have a wider hot flexitail for increased flow on low pressure.

Every single shower, basin or sink mixer is individually pressure tested in New Zealand prior to its dispatch for quality assurance. The cartridge in all the mixers is high quality European-made technology.

E3 Internal Moisture: E3.3.5 The smooth surfaces of the chrome plated Brighton tapware are easy to wipe clean thereby reducing mould growth or contamination.

G12.3.5 These fixtures are intended to supply hot and cold water as required for utensil and personal washing, showering or bathing.

G12.3.7 Each tap delivers sufficient flow for correct functioning under normal conditions. (See Conditions of Use below for pressure limits.) Each individual mixer is pressure tested in New Zealand prior to dispatch to avoid the likelihood of leakage. Debris in a water line can damage the smooth ceramic surfaces in a mixer cartridge. This is the most likely reason for a good cartridge to fail. In that event, replacing a cartridge is not an overly technical activity and can typically be carried out by a home handyman. For sink and basin mixers Aquatica Isolator Filter Stops can be installed in the cupboard below the mixer, at the flexible tail connection point, to help protect the cartridge from debris in the line. They can also be used to balance the flow and it can be a convenient shut-off point for the water, if ever that's required.

H1 Energy Efficiency: H1.2 All the mixers and handshowers which are covered by WELS, (the Water Efficiency Labelling Scheme), are fitted with high quality german Neoperl restrictors to reliably limit flow to achieve their relevant star ratings, which are:

Brighton Basin Mixer	4* Mains (7.5 l/min), 3* Low (9 l/min)
Brighton Swivel Basin Mixer	4* Mains (7.5 l/min), 3* Low (9 l/min)
Brighton Sink Mixer	3* Mains and Low Pressures (9 l/min)
Brighton Single Spray Handshower	3* Mains and Low Pressures (9 l/min)
Brighton Multispray Handshower	3* Mains Pressure (9 l/min)
Brighton Single Spray Shower Rose	3* Mains and Low Pressures (9 l/min)
Brighton Multispray Shower Rose	3* Mains Pressure (9 l/min)

Scope of Use

The Raymor Brighton Tapware is intended for residential use. It is suitable for both hot and cold water use, and with mains or low pressure systems with pressures of 35kPa or greater. (Exceptions are the multispray handshower and multispray rose. Both are suitable for mains pressure only.)

Conditions of Use

The Raymor Brighton tapware should be installed by a registered plumber following best practice.

All the mixers in the range are supplied ready for low pressure situations and are suitable for all pressures above 35kPa. The **Single Spray Handshower** is also suitable for all pressures above 35kPa. However, the **Multispray Handshower** and **Multispray Shower Rose** are suitable for mains pressure only in order for the alternative spray options to operate properly, (minimum 150kPa).

The Handshowers are supplied with a Pressure Compensating Washer (PCW) which is only required to be fitted in mains pressure situations. This is typically in the wall elbow just before the wide bore shower hose is screwed in. It should be fitted so that the water direction is towards the little black oring on the PCW.

The **Sink Mixer** and **Basin Mixers** are supplied ready for low pressure environments with a german Neoperl grey flow guide installed. A separate pressure compensating aerator (PCA) is supplied in an envelope for installation into the aerator for mains pressure situations. This is required to achieve the WELS water efficiency rating but is not used for low pressure installations. After installation, the mixer tails should not be kinked or unduly twisted.

Shower Mixers are exempted under the WELS scheme and are therefore not rated.

Maintenance Requirements

Chromium electroplated tapware is amongst the hardest of fixture coatings. However, to keep tapware looking good for longer, avoid using spray cleaners which over time can attack the chrome finish. Instead, wipe regularly using a mild detergent and a soft damp cloth. Rinse. Then wipe dry with a clean cloth.

To prevent mould growth in the bathroom, 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 pathogens in the air from bathing or showering.)*

Sometimes debris in the water line can make its way into the aerator at the end of the spout of the sink or basin mixer. 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 metal-on-metal damage to the aerator ring.

The flexible tails on the Basin and Sink Mixers are made with a waterproof lining to prevent leaking, then covered with stainless steel braiding for protection and strength. 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 even happen if you store chemicals under the sink or basin. 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. So you should check your flexible tails about every 6 months for signs of corrosion, especially if the room is damp and not well ventilated.

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, Italy, Germany
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.

G12 WATER SUPPLIES

G12.3.5 Sanitary fixtures and sanitary appliances must be provided with hot water when intended to be used for a) utensil washing; and b) personal washing, showering or bathing.

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.