

Aquatica Roses, Rainheads and Shower Centres

Product Disclosure Information Self-Assessment

Version: V1

Product Name	Aquatica Roses, Rainheads and Shower Centres
Product Line	Aquatica Tapware
Product Identifier	<p>Mains Pressure Only</p> <p>Roses and Rainheads AJ SR MS, AQ BODYJET, CB SR, CV SR, DEL SR MS, EG SRCM, KD SR COMPLETE, KD SRCM, KDSR HEAD ONLY, MULTI CM STD, MULTI BODYJET, OB SR350 HEAD SS, OB SR350 CM SS, PR SR HEAD SQ, PR SRWM SQ, PR SRCM SQ, SQ SR400 HEAD ONLY, SQ SRCM400 ST HSROSE CP, TY SR,</p> <p>Shower Centres CC SHC, LK SHC, OB RENOVA, OB RENOVA WE, PR SHC, PR SHC SQ, ZN RENOVA, ZN RENOVA WE,</p> <p>Shower Centres with Mixer included OB SHC, X1 SHC</p> <p>Outdoor Shower Centres with Mixer included OUT SHC FLOOR, OUT SHC WALL</p> <p>Thermostatic Shower Centres DJ THSHC, EN SHC 3F, EN SHC 3F WD</p> <p>Suitable for all pressures (above 35kPa)</p> <p>Roses and Rainheads Only. 21 SR, AJ SR SS, CV SR, DE SR200 CM, DE SR200 HEAD, DE SR200 WM, DEL SR SS, DJ SR, MO SR, OB SR HEAD ONLY SS, OB SRWM SS, OB SRCM SS, PR SR HEAD RD, PR SRWM RD, PR SRCM RD, SQ SR255 HEAD ONLY, SQ SRCM255, SQ SRWM255, XE SR HEAD ONLY SS, XE SRCM SS, XE SRWM SS, XE SR350 HEAD SS, XE SR350 CM SS</p>

The various colours indicate WELS ratings. The legend for this is on the next page.

Product description

Aquatica Roses, Rainheads and Shower Centres are fixtures installed in a shower enclosure to assist in the personal hygiene activity of showering. Some products are suitable for all pressures (above 35kPa) and some are only suitable for mains pressure. The table above gives a breakdown. Shower Centres are only suitable to use in mains pressure environments.

NB: It is assumed that all versions of the same rainhead in multiple colours are covered by this document, as are any spare parts for these products.

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: Aquatica tests their Shower Centres before adding them to a range to make sure they are robust enough to withstand daily use by multiple people in a household. Only good quality shower hoses and handshowers are used in the sets. The fixed parts of the shower centre carry a 5 year residential warranty. The shower hose, head and rainhead all carry a 2 year residential warranty. The decorative finishes other than chrome are warranted against manufacturing defect for 2 years. **

Only high quality german pressure compensating washers (PCW) from Neoperl are used in Aquatica Shower Centres, roses and handshowers. These regulators reliably limit flow to achieve the relevant water efficiency star rating under WELS for mains pressure.

E3 Internal Moisture: E3.3.5 Any penetrations through the lining of a shower enclosure in order to mount the shower centre, rose, rainhead or body jet should be sealed to prevent water ingress into the wall cavity. The smooth surfaces of the handshowers are easy to wipe clean thereby reducing mould growth or contamination.

G12 Water Supplies G12.3.2 In the event that the spray head on the shower centre could potentially reach the toilet bowl or basin, then a double non-return valve should be installed to prevent back-flow of contaminated water through the line and into the main water supply. These are available from Aquatica if required.

G12.3.5 These fixtures are intended to supply hot and cold water as required for personal showering.
G12.3.7 Each product delivers sufficient flow for correct functioning under normal conditions. (See Conditions of Use below for pressure minimums.) The products allow reasonable access to components likely to need maintenance.

H1 Energy Efficiency: H1.2 All the roses, shower centres and their handshowers are covered by WELS, (the Water Efficiency Labelling Scheme), and are supplied with high quality German Neoperl pressure compensating washers to reliably limit flow to achieve their relevant star ratings on mains pressure.

The legend for WELS ratings on the products listed on the first page is as follows:

WELS 3 Star Mains Pressure, 9 litres per minute

WELS 4 Star Mains Pressure, 7.5 litres per minute

WELS 3 Star Mains Pressure and Low Pressure, 9 litres per minute

WELS 3 Star Mains Pressure, 9 litres per minute; 1 Star Low Pressure, 16 litres per minute

WELS 3 Star Mains Pressure, 9 litres per minute; 2 Star Low Pressure, 12 litres per minute

WELS 0 Star Mains Pressure (25.0 l/min)

Scope of Use

The Aquatica Roses, Rainheads, Shower Centres and Body Jets are intended for accommodation and residential use. They are suitable for both hot and cold water use, and all are suitable for use on mains pressure systems. Some are also suitable for low pressure environments. See the list on the first page for a breakdown of mains pressure and low pressure products.

Conditions of Use

The Aquatica showering fixtures should be installed by a registered plumber following best practice. All penetrations through a shower lining should be sealed to prevent water ingress into the wall cavity.

Where the product is listed as mains pressure only, the operating pressure minimum is 150kPa. For low pressure systems (also known as unequal pressure systems), the minimum is 35kPa. The maximum is 1000kPa. However, there are 2 things to consider. Firstly, consider that the pressure overnight increases while taps are not being used and can easily spike to well beyond 1000kPa without a pressure limiting device installed. And secondly, consider what the Building Code now requires, shown below.

Building Code Requirement - Pressure

It is now a requirement in the NZ Building Code that the minimum working pressure at any fixture is 30kPa and the maximum static pressure shall be no more than 500kPa.

Building Code Requirement - Temperature

Another Building Code requirement is that the temperature of water at personal hygiene fixtures in a home should not exceed 50°C. 45°C is the maximum in early childhood education and care centres, schools, old people's homes, institutions for people with psychiatric or physical disabilities and hospitals. (For licensing purposes for early childhood education and care centres, the Ministry of Education requires that the temperature of water delivered from taps that are accessible to children should not exceed 40°C.)

The Rainheads, Roses and Handshower heads are each supplied with a Pressure Compensating Washer (PCW) which is only required to be fitted in mains pressure situations. For a handshower, this is typically in the wall elbow end of the shower hose. It should be fitted so that the water direction is towards the little black oring on the PCW. (The exception is the 21 SR (21 Shower Rose) which has an E-type flow regulator.) There are 2 reasons for installing the PCW into the wall elbow end of the shower hose. Firstly, because the hose is then more flexible during operation and secondly because it prevents the shower hose taking the brunt of any build up of pressure that might occur behind the the PCW.

For a rainhead or rose the PCW is fitted in the inlet. In a shower centre, two are supplied - there is one for the rainhead and one for the handshower.

In the event that the spray head on the handshower set could potentially reach the toilet bowl or basin, then a double non-return valve should be installed to prevent back-flow of contaminated water through the line and into the main water supply. These are available from Aquatica if required.

Maintenance Requirements

To keep tapware looking good for longer, avoid using spray cleaners which over time can attack the finish. Instead, wipe regularly using a mild detergent and a soft damp cloth. 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.*)

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 locations	New Zealand, China, 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

G12.3.2 A potable water supply system must be a) protected from contamination; and b) installed in a manner that avoids the likelihood of contamination within the system and the water main; and c) installed using components that will not contaminate the water.

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.

****** *The warranties referred to in this document are residential warranties. Commercial warranties can be found as part of Aquatica's full warranty document available at www.aquatica.co.nz.*