

Billi™

Superior Instant Filtered Water

Firewall® Tower Dispenser



WITH
waterlogic

TECHNOLOGY



Billi Australia Pty Ltd has been at the forefront of the instant filtered boiling and chilled water systems industry for over 30 years. In that time the Billi name has become synonymous with innovation and quality. Billi products are celebrated for their combination of functionality, performance and contemporary aesthetics.

In 2018, Billi was acquired by Waterlogic International. Becoming part of the Waterlogic group has allowed Billi to further capitalise on synergies across product innovation and technologies developed under the Waterlogic International brand.

Waterlogic's Firewall® and BioCote® technologies are two key innovations which Billi now brings to the Healthcare market in the new Firewall® Tower Dispenser. Compatible with Billi's existing Eco and Quadra range, the Firewall Tower Dispenser combines the latest in safe water technology with the convenience of instant boiling and chilled water.

FIREWALL® TOWER

- ✓ Ideal for the health and aged care sectors
- ✓ Unique above the bench tower design
- ✓ Guarantees 99.99% pure water, 100% of the time
- ✓ Function buttons, boiling nozzle & drip tray float with BioCote® protection
- ✓ Connects with Billi's boiling and chilled Eco and Quadra range
- ✓ Can replace existing dispenser
- ✓ Versatile installation, no sink required
- ✓ Drip tray holds 350ml of water and can be easily removed to empty water reserve
- ✓ Caters for larger water bottles (up to 260mm size bottles)



FIREWALL® TECHNOLOGY

GUARANTEED PROTECTION!

- ✓ UV light to eliminate 99.99% of the impurities in drinking water.
- ✓ The UV lamp is placed at the point of dispense, eradicating germs just before water reaches the glass.
- ✓ Renders waterborne bacteria incapable of reproduction and prevents back-contamination.
- ✓ Drinking water is free from microorganisms such as coliform, salmonella, legionellae, pseudomonas and the hepatitis virus.



Regular tap water



- May contain:**
- Bacteria
 - Viruses
 - Lead
 - Cysts
 - Chlorine
 - Particulates



Firewall purified water



- Free from:**
- 99.9999% of Bacteria
 - 99.99% of Viruses
 - 99.9% of Cysts



BIOCOTE® TECHNOLOGY

MAKES HIGH CONTACT SURFACES MORE HYGIENIC

Protects surfaces likely to host bacteria, mould and fungi. A natural silver antimicrobial that prevents the growth of microorganisms by providing surface protection from microbes which may infect and degrade the surface of your unit.



“ Billi Firewall Tower Dispenser filters 99.99% pure water, 100% of the time ”



FIREWALL PUT TO THE TEST AGAINST LEGIONELLA

In February 2019, over a 31-day period, leading independent laboratory ALS Environmental tested 4 x Firewall X machines to measure their effectiveness at eliminating Legionella from drinking water. This type of testing is critical to ensure customer peace of mind, especially in Australia where Legionella is commonly found in the water supply.

The Waterlogic Firewall X systems use bespoke UVC Bulbs and Electronic Ballasts to completely inactivate bacteria, viruses and pathogens including E. Coli, Salmonella and Hepatitis all the way through to the dispensing nozzle. This internationally patented technology has already been proven up to 99.9999% effective in over 5,000 independent tests. It is the only UVC system in the world today that is certified to NSF protocols 55a and P231, classifying it as a "Microbiological Purification Device"

LEGIONELLA PRESENCE IN WATER SUPPLY

Legionnaires disease (or Legionella) is an on-going concern for inhabitants of Australia due to the presence of the bacteria in the water supply. It is found in host organisms such as amoeba, as well as adhering to the surface of pipes or other plumbing infrastructure.

To date, around 60 different species have been formally identified and just under half are suspected to cause infection in humans. If contracted, Legionella is characterised by severe pneumonia and unless diagnosed and treated rapidly, the disease can be serious or even fatal, especially in vulnerable people.

In health and aged care settings, the mortality rate from Legionnaires disease is as high as 40 per cent¹. Tests undertaken in 2018 by Queensland Health found deadly strains of the bacteria in 170 of about 270 hospitals and aged care centres².

100% EFFECTIVE IN ELIMINATING LEGIONELLA

“Firewall®

THE RESULTS OF TESTING BY ALS CONCLUDED THAT THE UV FIREWALL TECHNOLOGY IS VERIFIED TO ELIMINATE LEGIONELLA AND AEROBIC BACTERIAL LOAD.”

AUSTRALIAN LABORATORY SERVICES (ALS)



TESTING PROVED CONCLUSIVE

ALS carried out tests on a daily and weekly basis, taking samples of both cold and ambient water, and spiking the incoming water with high levels of Legionella organisms. Each dispenser had its carbon block filter removed prior to testing to ensure they played no part in bacteria reduction and was then linked to a 10-litre dosing tank and pump.

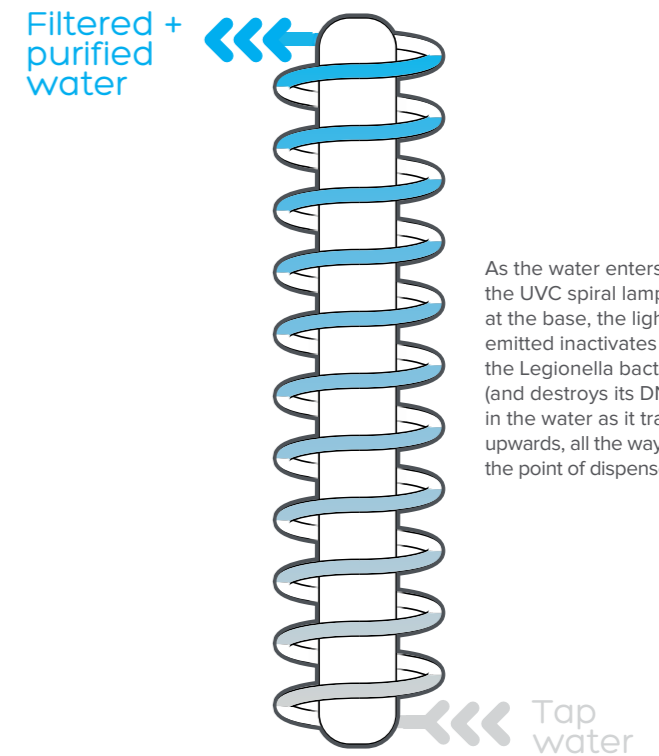
Two samples of water from each dispenser were tested daily, one in the morning and one in the evening, in their purest form (without flushing). The average count of Legionella in the untreated dosing tank was 59 CFU (Colony Forming Unit) per 100ml of water. After testing water that had passed through the WL2's Firewall system, this was reduced to zero CFU per 100ml.

In most cases, pre-Firewall counts of bacteria were so high, over 10K per ml, that the laboratory could not physically count the colonies. In all these cases, the post-Firewall results were consistently zero.

The weekly testing consisted of samples being taken each Monday on the stagnant water left in the dispensers over the weekend (48 hours), without flushing. These water samples were collected prior to the daily dosing/spiking with Legionella. Again, the average count was zero CFU per 100ml post-Firewall on all four dispensers.

After a month of testing hundreds of water samples, the results verified that the Firewall system in the WL2 FW dispensers, regardless of conditions, conclusively showed zero counts of any microbiological contamination, including Legionella.

FIREWALL® UVC SPIRAL



ALS Environmental are an independent global leader in testing, certification, inspection and verification for life sciences, commodities and industrial sectors. They operate laboratories specialising in environmental monitoring, food and pharmaceutical, electronics and consumer products markets.

The challenge test verification, sampling and analysis was conducted by ALS Water from 2nd Jan-30th Jan 2019 using NATA accredited methods according to their scope of accreditation (No. 992).
 1) https://www.health.qld.gov.au/__data/assets/pdf_file/0030/444873/national-enhealth-guidelines.pdf
 2) <https://www.abc.net.au/news/2018-11-14/legionella-detected-hospitals-nursing-homes-queensland-tests/10494278>

Tested and Certified

Waterlogic International Limited and WLI Trading Limited reserves the right, in order to reflect continuous research and development, to amend or change specifications without prior notice. Waterlogic and the Waterlogic logo, Firewall and the Firewall logo are trademarks in countries where the Group operates. WLT Trading Ltd is licensed to use BioCote, and BioCote logo which are registered trademarks of BioCote Ltd.

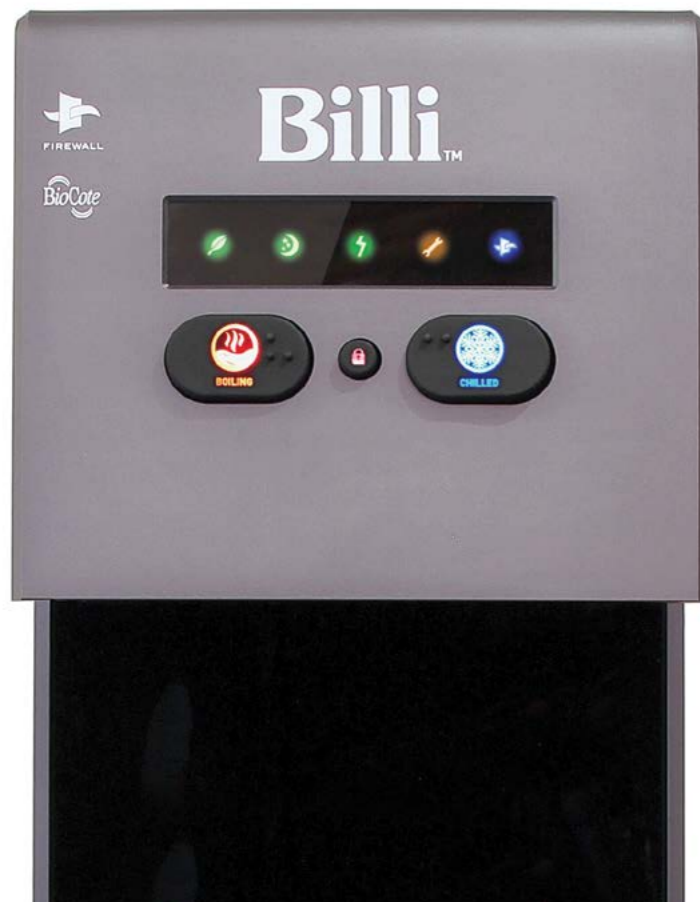











*certificate may vary depending on different models or products

Overview Functions

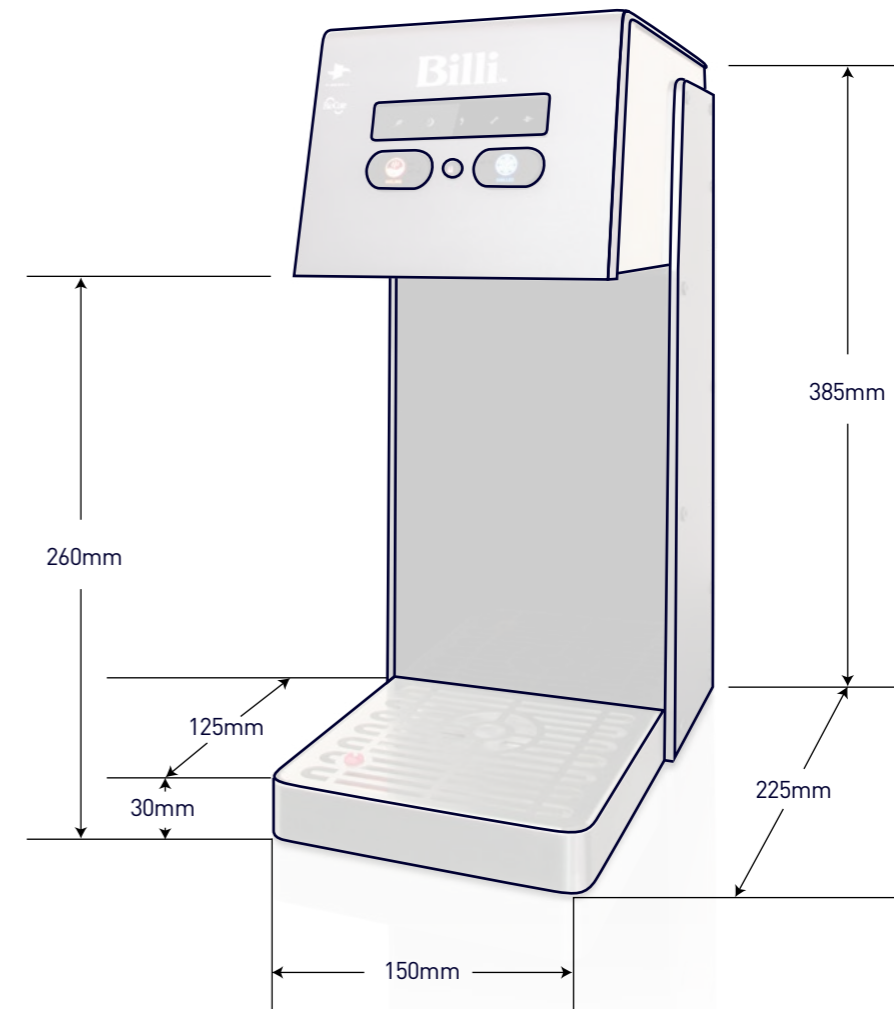


Menu Display and Icons

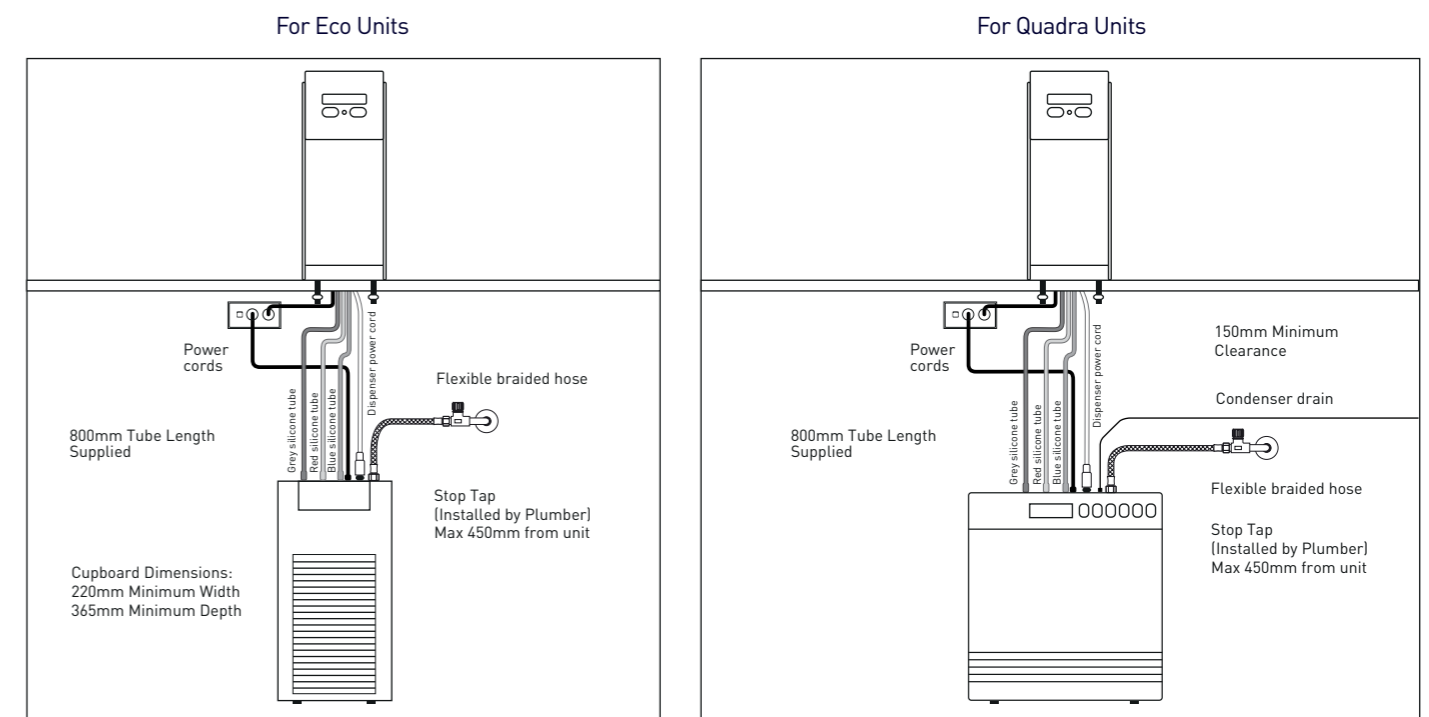


- 
Boiling (red)
 Icon flashes when heating up. Solid illumination when Boiling water is ready to dispense. No illumination when in holiday or standby mode. Boiling water will not dispense if safety lock is activated (see below).
- 
Chilled (blue)
 Icon flashes when chilling. Solid illumination when Chilled water is ready to dispense. No illumination when in holiday or standby mode. When Chilled option is selected, Firewall will activate and icon will flash. Water will not dispense until Firewall icon is solid.
- 
Safety Lock (red)
 Safety button illuminates when active. To use boiling water, hold down safety button for 2 seconds until red icon disappears.
- 
Leaf (green)
 Eco intelligence.
- 
Moon & Stars (green)
 Icon flashes when in standby mode. Solid illumination when in holiday mode. Boiling and chilled icons will not be illuminated in these modes.
- 
Lightning Bolt (green)
 Time switch on.
- 
Spanner (orange)
 Icon flashes when replacement filter is required. Solid illumination when filter change is overdue.
- 
Firewall®
 Icon flashes blue while Firewall technology is activated. Solid illumination when Firewall is ready to dispense Chilled water. Icon turns red when Firewall Tower is in fault mode.
- 
Boiling & Chilled (yellow)
 Boiling and chilled icons will flash yellow if the under bench unit goes into a fault mode.



Product Dimensions



Installation Guide



Available Models

	Product code	Model name	Suggested number of people	Boiling water delivery cups per hour*	Chilled water delivery cups per hour	Power supply (amps)
	901000FT	Eco	Up to 10	90	60	10
	904010FT	Quadra Compact	Up to 20	100	150	10
	904020FT	Quadra 420	Up to 25	120	175	10
	904040FT	Quadra 440	Up to 40	150	175	10
BOILING	904060FT	Quadra 460	Up to 60	180	175	10
CHILLED	904100FT	Quadra 4100	Up to 100	250	175	15
	904180FT	Quadra 4180	Up to 180	350	175	20
Dispenser Only**	220304	Firewall Tower Dispenser	N/A	N/A	N/A	10

* Based on the initial number of cups of boiling water immediately available, drawn one cup every 10 seconds. For all under bench filtered water systems, consideration may be needed for usage patterns and draw-off methods. 1 cup = 170ml.

** Dispenser can be retrofitted to Eco & Quadra models.

For full installation requirements or to learn more, contact your Billi representative.



Billi™

Billi Australia Pty Ltd
42 Lucknow Crescent,
Thomastown, Victoria
3074 Australia

P 1800 812 321
F +61 3 9469 0499
W www.billi.com.au

visit us at



Billi™ is a trademark of Billi Australia Pty Ltd. All rights reserved. ©Copyright protected.
As Billi Australia Pty Ltd has a policy of continual improvement, all details are subject to change without notice.
All goods are sold subject to our published terms and conditions.