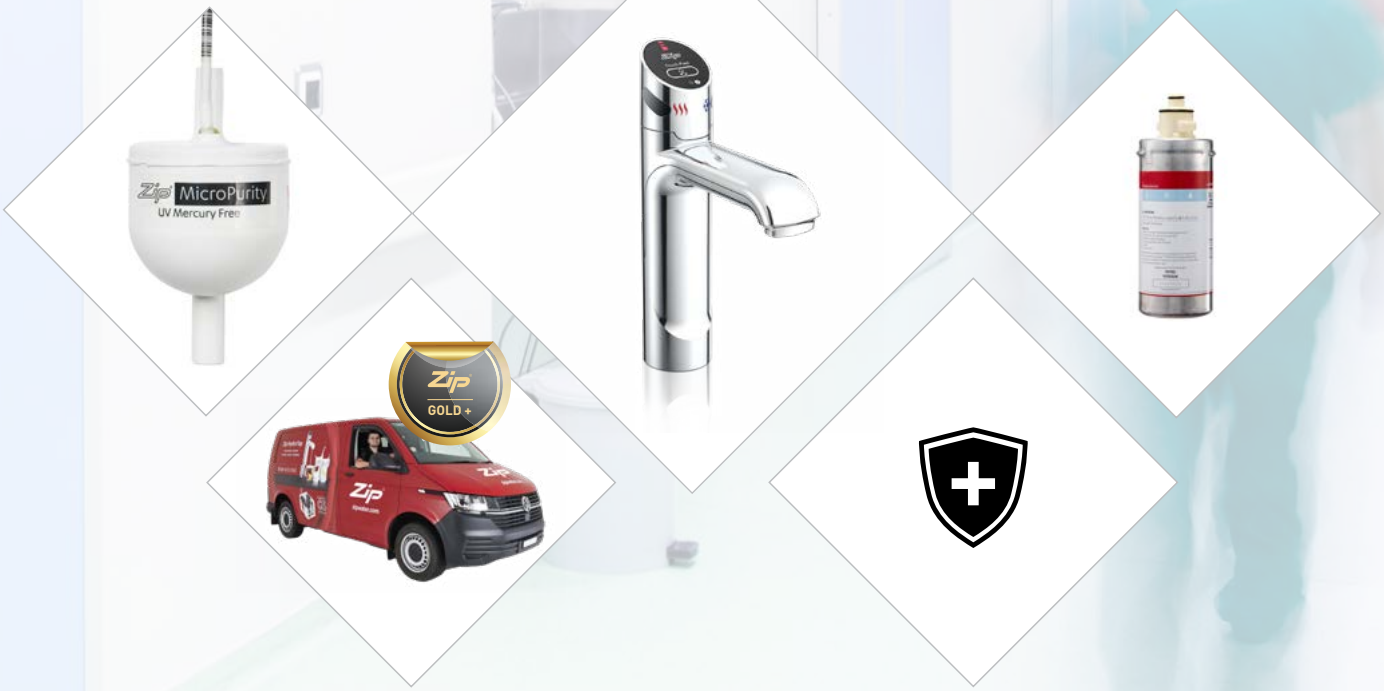
Zip HydroTap UltraCare

Proven protection against waterborne bacteria and viruses.



*ALS Pty Ltd Testing of the Zip HydroTap UltraCare system efficacy tests

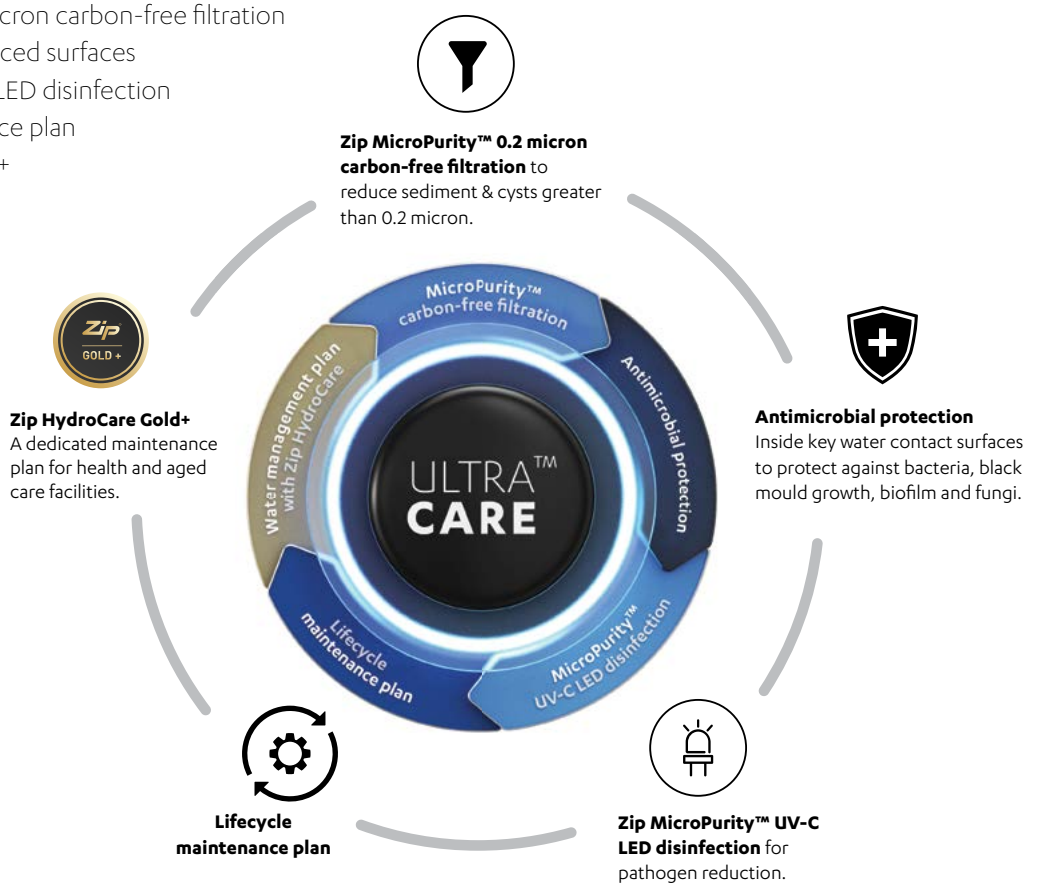
Zip HydroTap UltraCare system is proven to protect against waterborne bacteria and viruses.

Zip HydroTap UltraCare uses a combination of localised treatments and barriers that are proven as the most effective method of reducing waterborne organisms and pathogens including Legionella. These barriers have been outlined in the enHealth (2015) guidelines for Legionella control in operation and maintenance of water distribution systems in health and aged care facilities.

Zip HydroTap UltraCare has been independently tested and achieved levels well below HPC <500 CFU; Legionella <10**

The barriers provided in the UltraCare system are:

- MicroPurity™ 0.2-micron carbon-free filtration
- Antimicrobial enhanced surfaces
- MicroPurity™ UV-C LED disinfection
- Lifecycle maintenance plan
- Zip HydroCare Gold+



Zip HydroTap UltraCare is available with 3 tap designs

HydroTap Touch-Free Wave

HydroTap Classic Plus

HydroTap Classic with accessible levers

*ALS Pty Ltd Testing of the Zip HydroTap UltraCare system efficacy tests **enHealth 2015 Guidelines for Legionella control in the operation and maintenance of water distribution systems in health and aged care facilities, Australian Government, Canberra.

Water risk management for health and aged care environments

There is increased regulation and requirements for supply and drinking water risk management in health and aged care facilities.

As states and territories move to manage and control health risks associated with the supply and use of water in health and aged care facilities, it is now common practice to find water risk management plans being implemented facility by facility.

Water management plans cover systematic and localised controls used to reduce the risk of infection from waterborne bacteria.

Naturally found bacteria like Legionella is of significant concern in health and aged care facilities. Clients with reduced and/or compromised immune systems can have increased risk of Legionella infection.

In 2015, the Australian Government released the enHealth Guidelines for Legionella Control in the operation and maintenance of water distribution systems in health and aged care facilities, outlining the best practice approach to control waterborne bacteria like Legionella.

Water risk management with drinking water systems

Helping health and aged care professionals meet their obligations to combat the risks associated with a wide range of waterborne organisms and pathogens including Legionella is of utmost importance for Zip Water.

A 'multi-barrier' approach, with several systematic and localised controls that collectively reduce the risk* is typically used.

Zip HydroTap UltraCare uses a combination of localised treatments that are proven as the most effective method of reducing these risks*.

The integrity of your drinking water system is critical to maintaining high quality water that is pure tasting and good for the people in your care. Zip's industry-leading innovation and stringent quality assurance processes ensure pure-tasting boiling and chilled water is delivered every time.

A forward thinking state

On February 2017, amendments were made to the Queensland Public Health Act 2005 and the Queensland Public Health Regulation 2018 to improve water risk management practices in health and residential aged care facilities.
Queensland's Public Health Act 2005 includes Chapter 2A (Water risk management plans), sections 389A, and 389B; and amends section 385 and schedule 2 (Dictionary).
Queensland's Public Health Act 2005 has now been replaced by the Public Health Regulation 2018; this regulation includes 'Part 3 Water risk management plans.'
These amendments establish a legislative framework to improve the management and control of health risks associated with water supply systems among hospitals and aged care facilities.
The amendments also provide greater public transparency of water testing activities being undertaken by these facilities.

* enHealth 2015 Guidelines for Legionella control in the operation and maintenance of water distribution systems in health and aged care facilities, Australian Government, Canberra.

The HydroTap UltraCare system has been independently tested to ensure quality and performance standards have been met

HydroTap UltraCare system testing was undertaken on the two key barriers - MicroPurity Filter and MicroPurity UV-C LED module. Together these two barriers deliver a 99.9% reduction in Legionella*.

The technologies used within the HydroTap UltraCare system have been independently tested for performance in accordance with the current NSF 55 Class B test protocols, challenging the system with Q-beta virus (ATCC: 23631-B1). BCS Laboratories (Biological Consulting Services), one of three accredited testing laboratories in North America, were engaged by Water Quality Association (WQA) on behalf of Zip Water to undertake system performance testing. BCS Laboratories are accredited by ANAB and ILAC-MRA.

Microbiological laboratory and in-field testing was conducted by ALS Pty Ltd for performance:

- Laboratory testing to validate the effectiveness of the UltraCare system in removing Legionella pneumophila, Pseudomonas aeruginosa and Heterotrophic organisms from potable water inoculated with these organisms.
- Water sample testing was performed in working hospitals with HydroTap UltraCare products to Australian testing standards - AS4276.3.1, AS4276.7, AS4276.13, AS3896 and AS5667.
- ALS Pty Ltd is a NATA accredited laboratory and is a global leader in providing laboratory testing, inspection, certification and verification solutions.

*ALS Pty Ltd Testing of the Zip HydroTap UltraCare system efficacy tests

MicroPurity™ UV-C LED disinfection module

HydroTap UltraCare incorporates a MicroPurity UV-C LED module on the outlet of the chilled water tank. UV-C photons penetrate cells and damage the nucleic acid, rendering them microbiologically inactive or incapable of reproduction.

Pathogen Control & Inactivation: UV-C LEDs disinfect water when it is being dispensed, eliminating the chance of recontamination and reducing common waterborne pathogens including Legionella pneumophila, Mycobacterium avium, Pseudomonas aeruginosa and chlorine resistant micro-organisms such as Cryptosporidium and Giardia.

Chemical Free: UVC-LEDs provide physical treatment of water without the use of harmful chemicals or altering taste.

Mercury Free: Conventional UV lamps contain mercury, a hazardous material which requires special disposal. Zip HydroTap UltraCare UVC-LEDs are mercury-free.

FailSafe Technology: Prevents dispensing of chilled water if there is an issue with the UV-C LED.

MicroPurity UV-C LED certification*

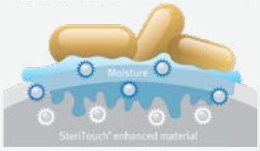
The MicroPurity UV-C LED module has been tested individually and certified to the relevant NSF and WaterMark performance standards

Antimicrobial protection impregnated inside key water contact surfaces reduces surface bacteria by 99.99%**

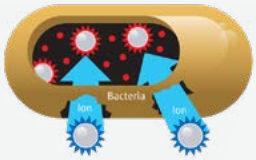
Antimicrobial protection impregnated inside materials in contact with key water paths in HydroTap UltraCare reducing surface bacteria levels to provide protection effective against a huge range of bacteria including salmonella, VRE (vancomycin-resistant Enterococcus), CPE (carbapenems producing Enterobacteriaceae) and Legionella.

How it works

Silver ions (not Nano-silver) embedded in the material substrate are released via ambient moisture and enter the bacteria cell membrane.



The silver ions destabilise the cell, stop respiration and inhibit cell division, whilst blocking the replication of DNA, killing the cell.



*WQA NSF55 Class B test report, NSF55 Class B listing and WaterMark AS/NZ 3497
**SteriTouch® Reports on Polymer and Silicone efficacies

MicroPurity™ carbon-free 0.2 micron filter to reduce sediment & cysts greater than 0.2 micron

Zip HydroTap UltraCare uses the latest carbon-free filtration technology to filter and reduce impurities and potentially harmful contaminants larger than 0.2 microns in size – an impurity that will fit 250 times into a strand of hair.

Our carbon-free 0.2 micron filter will not remove chlorine from water. Chlorine is used as a disinfection agent for potable water supplies and our carbon-free filters allow the chlorine to pass through the filter to keep it active in the water supply.

The MicroPurity filter supports UV-C efficiencies by

- Removing particulates which enhances the UV-C kill rate, and
- Removing a percentage of the pathogens prior to reaching the MicroPurity UV-C LED module.

Zip MicroPurity filtration certification

Zip filters are certified to reduce sediment and limescale in line with NSF 42 (aesthetic effects) and WaterMark requirements.

Zip filters are also certified to deliver a reduction of 99.99% of cysts including cryptosporidium and giardia, to NSF 53 (health effects).

Zip Part No.	Product Name	Micron Rating	Claims	Certified conditions Filtration capacity	Standards	Tests/ Validation
93706	Zip Micropurity filter for commercial use Size 1.5 Carbon-free	0.2 micron	Reduces: • Sediment > 0.2 micron • Giardia • Limescale	Flow rate 5.678 l/m Carbon-free	AS/NZS 3497 WM-035001 Including AS/NZS 4348	NSF 42, 53

Extracted from enHealth 2015 Guidelines for Legionella control in the operation and maintenance of water distribution systems in health and aged care facilities, Australian Government, Canberra (page 19). Residual disinfection (ie the amount of free residual chlorine or chloramine originally added to water supplies remaining in the water as it makes its way through the distribution network) can vary substantially, depending on a facility's location on the network. Facilities further away from the point of disinfection in the network may not receive water with the same concentration of residual disinfectant as facilities that are closer. If free residual chlorine or total chlorine (in the case of chloraminated supplies) is below 0.5 mg/L in the incoming water, there is a greater risk that Legionella will proliferate.

For chlorinated drinking water supplies, the Australian Drinking Water Guidelines states that free residual chlorine of between 0.2 and 0.5 mg/L in the distribution network is adequate, and the Drinking Water Standards for New Zealand requires only a minimum of 0.2 mg/L free residual chlorine in water leaving the treatment plant.

*NSF 42 & NSF53. WaterMark AS/NZS 3497. 0.2µm Manufacturers Claim Declaration

Lifecycle maintenance plan

Zip HydroTap UltraCare system comes with a lifecycle maintenance plan to ensure scheduled regular maintenance which is recommended in enHealth Guidelines.

There are 3 service kits available for purchase and include consumables eg filters and sanitisation kits through to preventative maintenance components.

Maintenance log

Please record all scheduled maintenance in the maintenance log.

95235 In-Field HydroTap Sanitisation (CleanOxide) kit is required and can be re-used for all Services.

Type	Kit no.	Service requirements:
Filter change	**93706 Filter** • Zip 1.5Z-CF filter	• Change water filter
Service 1	**95236 Service Kit 1** • Zip 1.5Z-CF filter • Silicone hose and outlet tube • 2x CleanOxide tablets, 0.5g	• Change water filter • Clean air inlet filter • Replace silicone hose and outlet tube • Sanitise system
Service 2	**95237 Service Kit 2** • Zip 1.5Z-CF filter • Silicone hose and outlet tube • 2x CleanOxide tablets, 0.5g • Safety solenoid • UV-C module	• Replace UV module • Replace safety solenoid • Replace silicone hoses and outlet tube • Change water filter • Clean air inlet filter • Sanitise system
Service 3	**95238 Service Kit 3** • Zip 1.5Z-CF filter • Silicone hose and outlet tube • 2x CleanOxide tablets, 0.5g • Safety solenoid • UV-C module • Tap top kit	• Replace tap top • Replace UV module • Replace safety solenoid • Replace silicone hoses and outlet tube • Change water filter • Clean air inlet filter • Sanitise system

Maintenance log

Install date: .....

Time from installation	Type	Date	Name	Sign
6 months or 6000 litres	Filter change			
12 months (1 year) or 12000 litres	Service 1			
18 months (1.5y) or 18000 litres	Filter change			
24 months (2y) or 24000 litres	Service 2			
30 months (2.5y) or 30000 litres	Filter change			
36 months (3y) or 36000 litres	Service 1			
42 months (3.5y) or 42000 litres	Filter change			
48 months (4y) or 48000 litres	Service 3			
54 months (4.5y) or 54000 litres	Filter change			
60 months (5y) or 60000 litres	Service 1			
66 months (5.5y) or 66000 litres	Filter change			
72 months (6y) or 72000 litres	Service 2			
78 months (6.5y) or 78000 litres	Filter change			
84 months (7y) or 84000 litres	Service 1			
90 months (7.5y) or 90000 litres	Filter change			
96 months (8y) or 96000 litres	Service 3			
102 months (8.5y) or 102 000 litres	Filter change			

Dedicated maintenance plan for health and aged care facilities with Zip HydroCare

Introducing Zip HydroCare Gold+, a specialised maintenance plan for health and aged care facilities.

Our Gold+ plan ensures your Zip Water system is maintained by our qualified technicians and remains in working condition, operating at peak performance.

Receive the following benefits with HydroCare Gold+:

- In-field sanitisation and chemical cleaning
- Detailed assessment by qualified experts to ensure all product installation requirements are met including ventilation
- The option to select carbon-free sub-micron filters which do not remove chlorine from the water
- We also offer asset listing and lifecycle forecasting for your system

With priority service, unit inspections, cleaning and annual or quarterly billing in advance as standard on all packages, HydroCare saves time and money.

Rely on our nationwide qualified technicians to service your Zip Water system.

FAST AND RELIABLE

100+ experienced water appliance technicians Australia-wide.

PROFESSIONAL

Our technicians are qualified experts, trained to professionally service and maintain all Zip Water systems.

SAVE MONEY

Prolong the life of your Zip Water system and avoid expensive repairs.

Notes

Notes

AUSTRALIA 1800 947 827
zipwater.com

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