

Freestanding Water Chiller

Installation and Maintenance Instructions

DFSA120



DFSA121

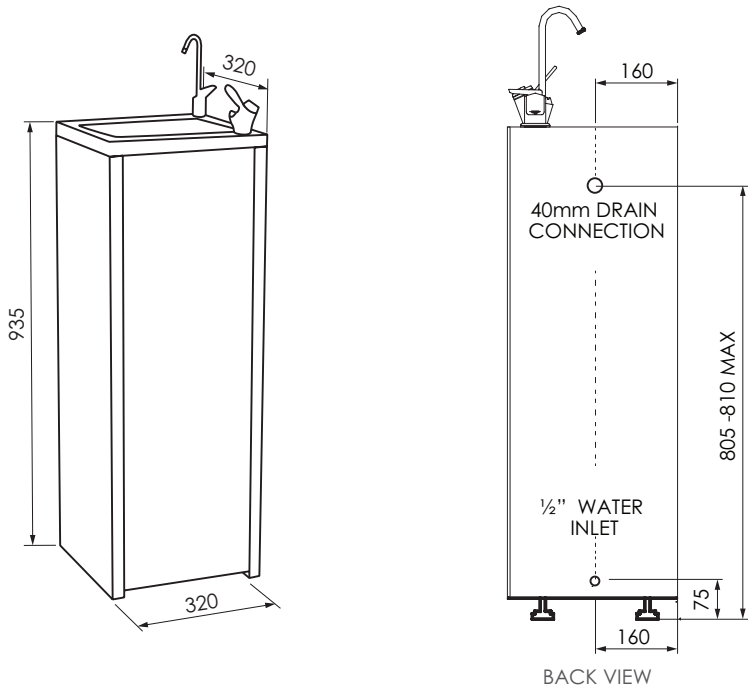


product description

Enware water chillers supply chilled water on demand. Suitable for public areas such as gyms, building sites and office buildings.

KEY FEATURES

- Flow rate of up to 18 litres/hour of chilled water
- 4 Litre storage tank
- Carafe filler with lever handle
- Push button bubbler
- Hygienic, polished stainless steel tops designed for rapid draining
- Adjustable levelling feet
- Stainless steel storage tank
- FDA approved internal pipework
- Environmentally friendly R134A refrigerant
- Side carry handles and removable front access panel for easy installation
- Includes internal waste trap
- IP33 rated
- Lead Free waterways



All measurements are in millimetres.

technical data

Chilled Water Production	up to 18 Litres/hour
Recommended Water Supply Pressure	50-500 kPa (Use of pressure reduction valve is recommended if inlet pressure may exceed 500 kPa)
Power Supply	230-240V / 50 Hz
Power Connection	3 pin 10 A plug with 2m lead
IP Rating	IP33
Water Inlet Connection	1/2" BSP male
Water Drain Connection	40mm DWV PVC
Storage Tank	4 Litres
Compressor Size	362 W
Condenser	Wire tube
Refrigerant	R134A
Climate Condition	SN.N *
Net Weight	28kg

* Suitable for use in ambient temperatures of 10°C to 32°C

installation compliance

IMPORTANT - This must be read before proceeding with installation

1. Enware products are to be installed in accordance with the Plumbing Code of Australia (PCA) and AS/NZS3500. Installations not complying with PCA and AS/NZS 3500 may void the product and performance warranty provisions. Reference should also be made to the ABCB and Local Government regulations when considering the choice of, and the installation of these products.
2. Electrical installation must be in accordance with AS/NZS3000-2018.
3. Water connection to the water cooler should be made through an approved Non-Return Isolating Valve/ Stop Tap and installed in an accessible position.
*** Note: Non-Return Isolating Valves/Stop Taps are not supplied with this product.**
4. Water supply pressure must not exceed 500kPa. It is recommended that an approved 500kPa Pressure Reduction Valve be installed with all water chillers to safe-guard against pressure surges that may occur in the supply lines, especially at night.
5. For use with potable water only.

NOTE: Enware Australia advises:

1. Due to ongoing Research and Development, specifications may change without notice.
2. Component specifications may change on some export models.

WARNING:

- Enware water chillers are not suitable for outdoor use. The appliance must not be exposed to rain.
- Stainless steel panel (non-powder coated) chillers are not designed or recommended for use in corrosive environments such as enclosed chlorinated pool areas.
- Consideration must also be made at the time of installation to adverse environmental/atmospheric conditions such as, but not limited to, dust, corrosion, or freezing. These conditions may void the warranty.
- Do not operate this appliance at ambient temperatures below 0°C, as it may cause the water inside the water chiller to freeze and damage internal components.
- The appliance is not suitable for installation in an area where a water jet could be used.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

CAUTION:

- **Mains Power Electrical Components.** For the purpose of safety and hygiene, access to the internal components of this appliance is restricted to persons having knowledge and practical experience of the appliance.
- Ensure the electrical supply is turned off, before taking the front panel off to access internal components.
- If the power supply cord is damaged, it must be replaced by the manufacturer, its service agent or a qualified electrician in order to avoid a hazard.
- In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- Do not damage the refrigerant circuit. Care should be taken not to puncture refrigeration system lines. Some lines contain gas under high pressure.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- If freezing occurs, do not operate the appliance, until ambient temperatures is again above 0°C and frozen unit has completely thawed.

installation

Water chiller is ready for final assembly on site.

Remove water chiller from the packaging.

Remove the front panel of the chiller unit by unscrewing the two fixing screws. Pull panel forward and slide down to remove the front panel. SEE IMAGE 1

IMPORTANT - Ensure chiller unit is disconnected from power supply before accessing the inside of the chiller unit.

Water Chiller installation - go to page 6.

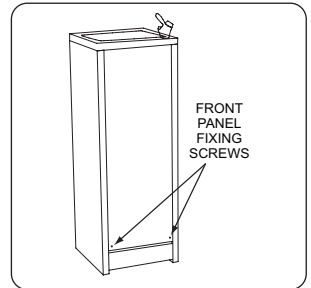


IMAGE 1

REMOVING BUBBLER (OPTIONAL)

Drinking bubbler can be deleted or temporarily removed if it is not required. Plug and fitting are not included - they can be purchased separately. (Enware part no. 677077 - blanking plug, 673159 - elbow)

1. Loosen and remove the back nut from under the bubbler.
2. Disconnect the 1/4" tube by removing the small compression fitting.
3. The bubbler can be removed and the rubber blanking plug pushed into place. SEE IMAGE 2
4. Trace the 1/4" tube back to the tee-piece, then disconnect all the tubes from the tee piece by holding the collet at the joint in place and pulling the tube free from the fitting. SEE IMAGE 4
5. Replace the tee-piece with elbow provided, connecting the supply tube to the carafe filler. SEE IMAGE 3

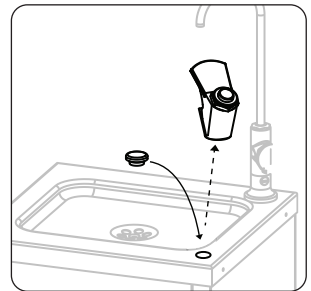


IMAGE 2

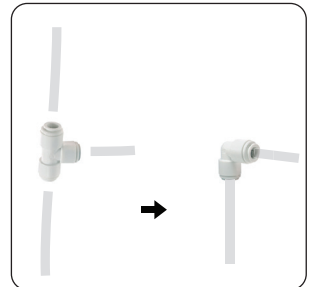


IMAGE 3



Push tube in to connect.



Pull back gently on the tube to check it is locked.



To disconnect, ensure the system is depressurized, push the collet square against the fitting. With the collet held in this position the tube can be removed.

IMAGE 4

WATER CHILLER INSTALLATION

1. Place water chiller in desired position and adjust levelling feet so that the water chiller is stable and sitting level.

Note: This appliance must be placed in a horizontal position. Ensure there is at least 50mm of gap between the back of the unit and any wall for fan ventilation.

2. From inside of the chiller unit, connect the 40mm bottle trap (supplied) to the waste connection located on the underside of the top tray. Connect DN40 DWV PVC drain pipe to the bottle trap. SEE IMAGE 5
3. (Optional) Install a carbon filter (DFS002F- sold separately) inside the chiller unit.
Cut or disconnect the 1/4" tube that feeds the carafe filler and bubbler, and install the carbon filter in the line.
4. Install a non-return isolating valve or a stop tap (not supplied) at the water supply as required. Flush all foreign matter from the water supply line, then connect water supply to the 1/2" BSP male inlet fitting located at the rear of unit. SEE IMAGE 5
5. Install spout on the carafe filler. (See Carafe Filler Assembly Instructions next page)
6. Turn the water supply on and purge the air from the stainless steel chilling tank by pressing the push button on the bubbler or lever on the carafe filler. Water may spit from the outlets during this procedure and care should be taken not to let water splash on walls and furniture. Allow the water to flow for 5 minutes, starting and stopping it frequently.
7. Check all plumbing for leaks. Check the bottle trap and drain pipe connections for water-tightness.
8. Replace the front panel to the chiller unit.
9. Connect power cable to an electrical outlet.
(Electrical connection: a flexible 2m service lead, 3 pin 10 AMP plug supplied to connect the chiller to a 230-240V 50Hz AC supply.)

Turn power on. The refrigeration unit and the fans should start to activate.

10. Once water is cooled and chiller function is checked, turn off the power and disconnect the power cable. Open the front panel and check all plumbing for leaks once again.

IMPORTANT - Chiller unit must be disconnected from power supply before accessing the inside of the chiller unit.

11. Replace front panel of the water chiller and secure the panel using screws provided. Connect power cable and turn power back on.
Remove protective film from stainless steel panels.

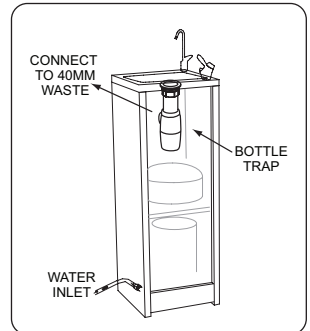


IMAGE 5

CARAFE FILLER ASSEMBLY INSTRUCTIONS

1. Align the brass adjusting nut so that it sits crosswise. SEE IMAGE 6
2. From the tapered end of the handle, start to slide the handle on to the nut, making sure the adjusting nut stays in the crosswise direction. SEE IMAGE 7
3. Slide the handle all the way until it clicks into place.
4. Insert spout into the spout hole. Screw the spout all the way in until it comes to a stop, then wind back to the desired spout position. SEE IMAGE 8
5. Turn water supply on and check for leaks.
6. Test the handle by pressing it down. If the handle is too tight or too loose, turn water supply off, go back to step 1 and adjust the nut up or down to achieve correct fit. If the handle is fit too tight, water may not shut off properly and may constantly run or drip from the spout.

To loosen, unscrew nut (up). To tighten, screw the nut in (down). Go back to step 1.

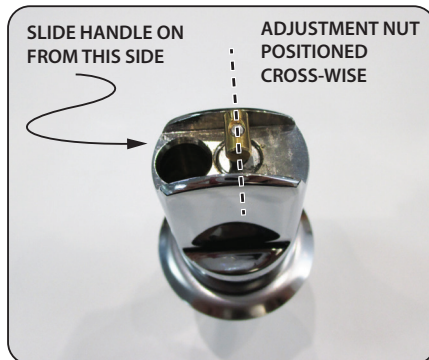


IMAGE 6



IMAGE 7



IMAGE 8

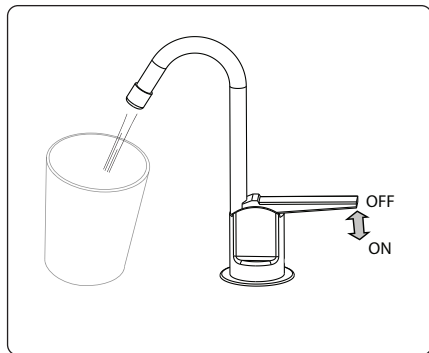
operation

CARAFE FILLER

To turn on water flow, push handle down.

To turn off water flow, let go of handle.

Water flow stops automatically.

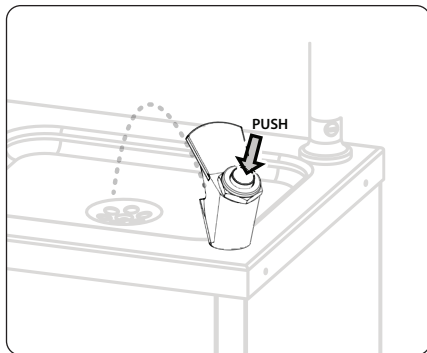


BUBBLER

To turn on water flow, push button down.

To turn off water flow, let go of button.

Water flow stops automatically.

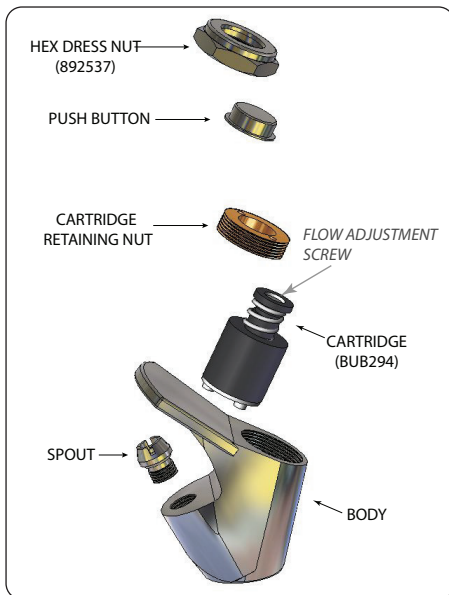


flow adjustment

BUBBLER

Adjusting water stream height:

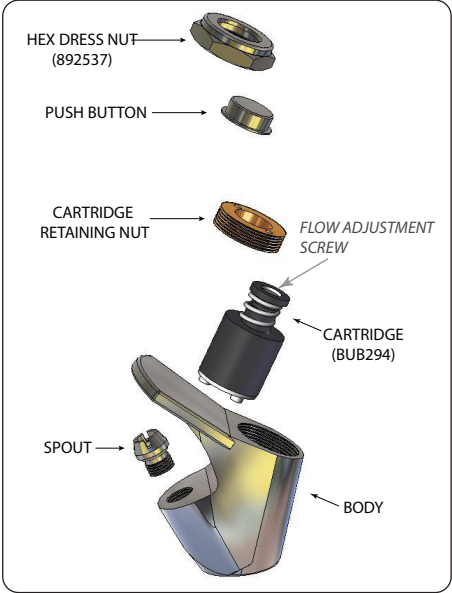
1. Unscrew hex dress nut from bubbler body using a spanner (while water supply is on). The dress nut and push button can be removed to reveal the top of the cartridge and the cartridge retaining nut.
2. Locate the flow adjustment screw in the top of the cartridge. While pressing the cartridge to fully on position, using a small slotted screwdriver, screw the adjustment screw in to reduce stream height, or out to increase stream height.
3. Replace the push button and hex dress nut, and tighten.
4. Re-test bubbler fountain for correct operation.



components & spare parts

BUBBLER

PART	ENWARE SALES CODE
Cartridge	BUB294
Bubbler complete	BUB290



WATER CHILLER

REFRIGERATION SYSTEM - The entire refrigeration system is hermetically sealed. Should the system fail to operate, contact the manufacturer immediately.

Note: tampering with the refrigeration system in any way may void warranty.

WATER TEMPERATURE CONTROL SCREW - Located internally on the shelf, has been factory set to provide chilled water at approx. 5°C to 10°C .

PART	ENWARE SALES CODE
Bottle trap 40mm white adjustable height	DFSAS202
Carbon inline water filter	DFS002F
Thermostat	DFSAS200
PRV 1/4"	DFSAS201
Blanking plug	677007
Elbow JG quick connect 1/4"	673159

service & maintenance

Every 6 months or periodically as required, the appliance and its surrounding area should be inspected for water leaks, the carafe filler and bubbler should be tested for correct operation and external panels should be given a light wipedown.

Filters if used should be replaced, depending on usage. Water storage tank should be purged by running the tap for 5 minutes, before installing a new filter.

Every 12 months or as required, the bubbler stream height should be re-adjusted. If the bubbler or carafe filler is leaking, the cartridge or carafe filler should be replaced.

The internal condenser and fans should be kept free of dust/ lint. It should be checked periodically and cleaned with a brush or vacuum cleaner. Water cooler must be disconnected from the power supply before following this procedure.

cleaning

Enware product should be cleaned with a soft damp cloth using only mild liquid detergent or soap and water. Do not use cleaning agents containing a corrosive acid, scouring agent or solvent chemicals.

Do not use cream cleaners, as they are abrasive. Epoxy coated surfaces should only be cleaned with a cloth and clear water or mild detergent. Use of unsuitable cleaning agents may damage the surface. Any damage caused in this way will not be covered by warranty.

Cleaning is not required for internal components of the appliance.

The appliance must not be cleaned by a water jet.

troubleshooting

WATER CHILLER

PROBLEM	CAUSE	RECTIFICATION
No water at outlets	Water not connected or turned off	Connect and turn on water supply
	Water frozen	Adjust water temperature control on thermostat to higher setting. Do not operate the appliance, until ambient temperature is again above 0°C and frozen unit has completely thawed.
Water not cooled	Power is not connected	Turn power supply on
	Fan ventilation not adequate	Ensure there is gap behind back of chiller to allow air flow from vents
	Temperature setting too high	Adjust water temperature control on thermostat to lower setting
Poor water flow at outlets	Bubbler stream is not adjusted	Adjust bubbler stream
	Carafe filler handle is too loose	Adjust carafe filler adjusting nut and handle
	Carbon filter is blocked	Replace carbon filter
Water leaks at outlets	Bubbler cartridge is damaged	Replace bubbler cartridge. Ensure water pressure is below 500kPa
	Carafe filler handle is too tight	Adjust carafe filler nut and handle
Water tastes foul	Carbon filter has been contaminated	Replace carbon filter
	Water in tank is stale	Purge water in tank by running the bubbler for 5 minutes

BUBBLER

PROBLEM	CAUSE	RECTIFICATION
Water runs constantly from bubbler outlet	Debris in cartridge	Replace cartridge BUB294
	Cartridge has been damaged	Replace cartridge BUB294
	Seating washer damaged or spring broken	Install a pressure reduction valve. Replace cartridge BUB294
No flow from bubbler outlet	Water supply turned off	Turn water on
	Debris fouling inlet or outlet ports of cartridge	Remove blockage
	Rubbish/debris fouling outlet	Remove blockage
Water discharge from top of bubbler	Cartridge is damaged	Replace cartridge BUB294

product warranty statement - WATTS AUSTRALIA

EFFECTIVE FROM 20 November 2023

This Warranty Statement applies to products supplied by Australian Valve Group Pty Ltd (ACN 068 227 270) (**AVG**) or Enware Pty Ltd (ACN 662 302 767) (**Enware**) (each of AVG and Enware, a Supplier) and installed within Australia.

Subject to the terms and conditions outlined in this Warranty Statement, each Supplier warrants to its customers that a product supplied by it (**Product**) will be free from all defects in material and workmanship under normal usage for the applicable Warranty Period (as set out in the Warranty Table below). The Warranty Period commences from the date of delivery of the relevant Product.

1. Conditions

The warranty provided under this Warranty Statement will not apply in respect of a Product (or any Product defect, fault or resulting damage) if:

- (a) the Product is not installed and maintained in accordance with the requirements of the applicable laws, standards and codes (including, without limitation to, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500);
- (b) the Product is not installed and maintained by a qualified technician in accordance with the relevant installation and operation manual and instructions; and
- (c) any Product defect, faulty or resulting damage arises from:
 - (i) failure by you or any other person to follow the relevant manual or instructions (relating to the handling, storage, installation, fitting, connection, adjustment, maintenance or repair of the Product) published or provided by the Supplier;
 - (ii) failure by you or any other person responsible for the fitting, installation, or other work on the Product to follow or conform to applicable laws, standards and codes (including, without limitation to, the AS/NZ 3500 set of Standards, all applicable State and Territory Plumbing Codes, the Plumbing Code of Australia and directions and requirements of local and other statutory authorities);
 - (iii) any parts or components not manufactured by the Supplier (or otherwise not authorised by the Supplier) are installed or combined with the Product, without the prior authorisation of the Supplier; or
 - (iv) any act or circumstance beyond our control including, without limitation to, accident, abnormal use, vandalism, fouling caused by foreign material, damage from adverse water conditions, chemical, acts of God, damage to buildings, other structures and infrastructure and loss or damage during transit or transportation of the Product, or any abuse, misuse, misapplication, improper installation or connection, or improper maintenance or alteration of the Product.

2. Make a claim

To make a claim under this Warranty Statement, you must notify the relevant Supplier in writing within 7 days of any alleged defect in the Product coming to your attention and provide the Supplier with proof of your purchase of the Product to the relevant Supplier:

- (a) If the Product is supplied by **AVG**, please contact AVG by telephone at 1800 284 287, or by email via its online portal <https://www.wattsau.com.au/support>.
- (b) If the Product is supplied by **Enware**, please complete the Product Service Request form (ENF091), which is available on request from our office (see contact details below), or online via <https://www.enware.com.au/warranty-service-form/>. All notifications and accompanying forms must be sent to Enware marked for the attention of Enware, 9 Endeavour Road, Caringbah NSW 2229. Enware can also be contacted by telephone (1300 369 273) or by email (info@enware.com.au).

On receipt of a notification from you of a claim under this Warranty Statement, the relevant Supplier may contact you requesting you provide reasonably additional evidence, information or details about your claim, or requiring that the relevant Product should be returned to the Supplier (in accordance with the Supplier's instructions) for inspection and testing.

Your failure to comply with any such request within a reasonable amount of time may result in your claim under this Warranty Statement being rejected.

3. Our responsibilities

(a) In the event that the Supplier is reasonably satisfied that there is a defect in the relevant Product within the applicable Warranty Period, the Supplier will, at its option, replace the Product, supply an equivalent product or repair the Product, free of charge. Your costs in making a warranty claim under this Warranty Statement, including any costs in relation to freight, collection, delivery and installation, are to be borne and paid by you. However, if in respect of a Product, it is indicated in the Warranty Table that labour support will be provided, and the Supplier is reasonably satisfied that a defect in the Product takes place during the period that labour support will be provided as indicated in the Warranty Table, the Supplier will bear the costs for delivery, repair and installation of the replacement Product (as applicable).

(b) TO THE EXTENT PERMITTED BY LAW AND SUBJECT TO PARAGRAPH 4 BELOW AND THE OPERATION OF THE AUSTRALIAN CONSUMER LAW:

- (i) THE WARRANTY SET OUT IN THIS WARRANTY STATEMENT IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE SUPPLIER WITH RESPECT TO THE RELEVANT PRODUCT;
- (ii) THE SUPPLIER MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED;
- (iii) THE SUPPLIER HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE; AND
- (iv) THE REMEDY DESCRIBED IN THIS WARRANTY STATEMENT SHALL CONSTITUTE THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF WARRANTY, AND THE SUPPLIER SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOST PROFITS OR THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED IF THE PRODUCT DOES NOT WORK PROPERLY.

4. Australian Consumer Law

This paragraph 4 applies if you are a 'Consumer' (as defined in section 3 of the Australian Consumer Law (**ACL**)) and the Product or services supplied to you falls within the goods or services which, for the purposes of the ACL, are of a kind ordinarily acquired for personal, domestic or household use or consumption.

The Products and services provided by the Supplier come with guarantees that cannot be excluded under the ACL, and noting in this Warranty Statement should be interpreted as attempting to exclude, restrict or modify such guarantees or your rights under the ACL. For major failures with any services, you are entitled:

- (c) to cancel your service contract with us; and
- (d) to a refund for the unused portion, or to compensation for its reduced value.

You are also entitled to choose a refund or replacement for major failures with Products. If a failure with the Product or a service does not amount to a major failure, you are entitled to have the failure rectified in a reasonable time. If this is not done you are entitled to a refund for the Products and to cancel the contract for the service and obtain a refund of any unused portion. You are also entitled to be compensated for any other reasonably foreseeable loss or damage from a failure in the Products or service*.

5. Warranty table

*the applicable period commences on the date of delivery of the Product.

PRODUCT GROUP	PRODUCT SERIES CODES	WARRANTY PERIOD (YEARS)*	LABOUR SUPPORT (YEARS)*
Water Chillers	DFSA	1	1