Operating instructions for the contactless WCPC88CL

Installation

This product should be installed by a suitably qualified professional from the water industry. Please refer to the product manual for further instructions.

Operating instructions

1. Green power LED indicates power is on.
2. Orange LED will light up during dispensing.
3. To activate dispensing place your hand in front of the sensor <4cm.
4. To stop dispensing remove your hand.
5. This unit is programmed to allow a maximum dispense time of 6 seconds per dispense.
6. If you require more than 6 seconds of water simply, remove your hand and reactivate the sensor as per step 3.
7. In the event of a malfunction turn the power off and contact your supplier.

Power (1)

Dispensing (2)

Sensor (3)

Important information

* **CL88 not suitable** for use in **direct or indirect sunlight** i.e. sunlight reflecting off a window/mirrored surface onto the sensor may result in unstable performance/false actuation.
** **Locating the cooler**: Avoid facing the cooler towards external open doors or windows this may cause unstable performance.
*** Hi Vis material may activate dispensing when in proximity <1metre.

This cooler is fitted with a **10-litre alarmed drip tray overflow kit**. In the event of the alarm sounding empty the jerry can, located inside the cooler.

- Turn the power off to the cooler.
- Remove the drip tray and then the lower front panel by pushing down and pulling out from the top.
- Remove the Jerrycan from the shelf and empty. (To disable the alarm, remove one of the probes from the top of the Jerry can).
- Reinstall the Jerrycan (and probes if removed) into the cooler on the shelf and ensure the drainpipe is connected to the jerry can opening.
- Fix the lower panel and drip tray back on the cooler. Ensure the panel is fastened securely.
- Turn the power back on.

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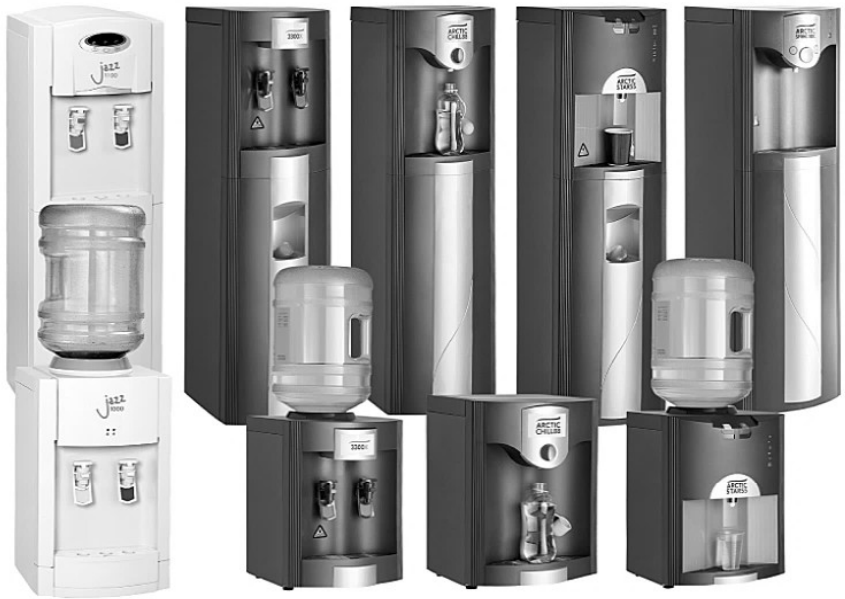
AA FIRST
WATER COOLERS
& BOILERS

Installation Instruction for the Jazz 1000/1100 the AA3300 the ArcticChill88/98 the ArcticStar55 and the ArcticSpring100C Water Coolers



Caution

- When installing a POU Cooler use only new hoses (supplied) and new compression fittings when connecting to the mains.
- If the electrical cord is damaged, it must be replaced by a competent and qualified individual.
- Children from the age of 8, and persons with reduced physical or mental capability must be instructed and supervised on the use of the equipment.

  Any maintenance, servicing and moving of the equipment must only be undertaken by a competent and trained individual.

Safe Usage

- Always turn electricity off before removing any panels
- (POU)Always turn water off at nearest stop cook before removing water tank lids, filters, disconnecting any taps or pipes for sanitising, filter exchange or maintenance
- When not in use for an extended period : Turn mains water off or remove bottle Turn power off
- Install cooler on a flat surface to avoid vibration and noise
- Leave 15cm gap all around to provide good ventilation
- Install away from heat source which could affect the unit's cooling capacity
- Avoid freezing conditions which could rupture the pipes
- Never tilt unit over 45 degrees when carrying to storing
- Wait for an hour after transport before installing to allow coolant to settle
- Fill water reservoir with water before unit is powered up to avoid damage to the refrigeration and heating element

Commissioning

- For POU follow the Plumbing & Filter Installation Instructions
- For conversion from Bottled to POU follow the Conversion Kit Instructions
- Sanitise the cooler before first use and follow Sanitising Instructions
- Make sure that the water detaching board (Baffle) inside the cold water tank is inserted tightly. If not fixed properly, it may affect your cold water volume
- For POU ensure that the float, connected to the water tank lid, moves freely
- Before switching the power on make sure that both the cold and hot water tanks are filled with water

Converting a Bottled Cooler to POU

(does not apply to the ArcticChill 88, ArcticChill88 and ArcticSpring100c)

- It takes literally five mimutes, using our Conversion Kit
- Remove Bottled Cooler top by unscrewing screws in back
- Place water tank lid from kit on open water tank making sure that the float moves freely and the 1/4″ blue pipe is firmly connected and is guided to the filter bracket
- Replace cooler top with POU Lid and fasten with two screws at the back

Sanitising with Buffered Hydrogen Peroxide solution

- Switch power off
- Turn mains water off
- Remove top cover of the cooler to gain access to the water reservoir
- Pour diluted sanitising fluid into the water in the reservoir, wipe all internal surfaces, to dislodge any Biofilm
- Drain some sanitising fluid through taps
- Sanitise in strict accordance with EDWCA/BWCA guidelines using only tested and therefore endorsed sanitising products

Sanitising the ArcticChill 88 Direct Chill Cooler needs to be changed to ArcticChill 88/98 and ArcticSpring 100 C Direct Chilling Element.

- Switch power off
- Turns mains water off
- Remove the Carbon Block Filter and replace with an empty Filter Housing
- Pour the sanitising fluid into the empty Filter Housing
- Turn mains water back on
- Open the taps to flush the sanitising liquid into the tank and pipes
- Leave standing for 10 minutes and then flush through with water to remove all traces of Sanitising Solution

De-scaling the Jazz, AA3300 and ArcticStar55

De-scaling automatically sanitises the Boiler.

- Turn Power off.
- Drain water in reservoir through taps, then drain boiler from drain at the back of the cooler
- Remove baffle from cold tank.
- Pour de-scaler into cold tank and allow to gradually feed into the boiler
- Active foaming occurs as a sign that there is scale in the boiler.
  When the foaming stops, all scale should have been removed
- Drain descaler out of the boiler
- Fill boiler and cold tank with water(without heating) and drain water out again
- Repeat until all traces of descaler have been removed
- Refill boiler with water and turn power back on

Connecting to the mains and installing filter on POU Cooler

When using our Plumbing & Filter Kit

- Turn Power off
- Isolate water supply at stop cock or isolation valve
- Clamp Self Cutting Valve to 15mm copper pipe and tighten firmly without over tightening and crushing the pipe.
- Turn Self-Cutting Valve clock wise to cut a hole into the copper pipe.
- Test for possible leaks: Make sure that the tap on the Self-Cutting Valve is closed before turning the mains water back on.
- When satisfied that the mains connection is OK turn mains water off again.
- Connect water block to Self-Cutting Valve, (The water block acts as a non-return valve and at the same time avoids large scale flooding by cutting the supply off if more than a pre-set amount of water passes the Block in on flow.
  If the water block is activated, it can be re-set.
  Unscrew the 3/4″ screw cap to 1/4″ push fit reducer.
  This will reveal a pink rod in the centre of the Water Block.
  To re-set, push the pink rod back into position)
- Connect all the necessary reducers, pipes and the on/off tap (on the water inlet side of the filter) to the Carbon Filter.
- Fix the Carbon Filter to the filter clamp provided and connect the blue pipe from the water tank to the outlet side of the filter.
- Turn Power on.

De-Scaling the ArcticSpring 100C Boiler

- Turn Power off.
- Open the Hot Tank by removing its top lid.
- Drain the water in the Hot Tank through the Tap and the Hot Tank Drain.
- Pour de-scaler into the tank and let it stand. Foaming will occur as a sign that the descaler is working.
  When the foaming has stops, all scale should have been removed.
- Drain the de scaling solution out of the boiler.
- Fill the boiler with clean water and repeat until all traces of the scaling solution have been removed.
- Once no traces are left, re fill the boiler and turn electricity back on.
  (make sure that hte chiller tank is also full of water)
- Turn to page 9 for explanation when and how to fit a scale Removal Filter to the Hot Tank.

Troubleshooting

Cooler does not work, No or low cooling	- Check if power and water are turned on - Has too much cold water been consumed and the cooler has not had time to recover - Is the Baffle inserted tightly - Is the unit too close to a strong light or heat source or too confined in space
No or low hot water	- Is hot water switched on - Does the boiler need de-scaling - Has too much hot water been consumed and the boiler has not had time to recover - Check thermal cut out
No water in tank Noise and vibration	- Is the water valve open - The cooler stands on an uneven surface - The filter is blocked and needs replacing
Leaking	- Check water connection from the mains - Check for internal leaks due to burst connection - Check for damage to float switch, which would not turn the water off
ECO Mode	- Check if ECO switch is turned on - Check if the obstacle on the ECO sensor

AA Water Cooler Service, Maintenance & Recycling

HYGIENE

Water is our most important FOOD and Water Coolers must be maintained in a hygienic condition. The Water Cooler Associations demands that all makes and types of Water Coolers must be regularly sanitised, using approved sanitising solutions/techniques

1. Bottled Coolers must be Sanitised every 3 months
2. POU Coolers must be sanitised and the filter exchanged every 6 month
3. All Coolers should be sanitised prior to commissioning
4. Sanitising should be in accordance with BWCA and EDWCA guidelines

ELECTRICAL SAFETY

5. All electrical connections/wires should be checked at installation
   (it is possible that some connection have come loose during transport)
6. Check the flex cable for any visible damage and ensure that the Cooler is not installed on top of the cable
7. Coolers should be PAT tested by the Distributor if the equipment has been removed by him from a site and before re-installing it at another site. The User should PAT test the equipment annually.
8. It is recommended that points 5. 6. and 7. form part of the regular routine maintenance

POU WATER CONNECTIONS

9. All mains connections must include a properly installed Waterblock and a Non Return Valve at the mains connection point
10. A Pressure Reducing Valve is recommended for areas with risk of high water pressure
11. Push Fit connections and all fittings should be checked for water tightness prior to commissioning the Cooler
12. It is recommended that all POU water connections are checked as part of the regular routine maintenance

WEEE RECYCLING & LABELLING

All Water Coolers should be recycled at the end of their life according to WEEE Regulation. All Water Coolers should be marked with: CE marking for electrical safety, RoHS (Restriction of Hazardous Substances) as proof that the materials used comply with rigorous RoHS legislation and the Wheeled Bin Symbol to confirm that the Cooler must be recycled under WEEE.

ArcticStar 55 HOT & Cold Installation instructions

The ArcticStar 55 Hot Water & Hot Water Booster

The "standard" hot water temperature range is between 92C and 82C. It can be BOOSTED to 95C/96C to provide 1.5ltr of piping hot water of 96C to 90C for instant draw off. The hot water boosting feature will be operated by pressing and holding the BOOST icon on the top of the upper front panel. Keep the finger on the BOOST icon for 2 seconds until you hear a second "beep" to indicate that BOOSTING is happening. During BOOSTING the light will flash Red. Once the BOOST mode has completed the light will turn to a solid Red. Boosting time can vary depending on the current temperature of the water in the hot tank. From 92C this will take approximately 60 seconds to boost the temperature to 96C.

Attention

BOOSTING has to be done every time you want a higher hot water temperature above 90C to be boosted to 95C/96C

The ArcticStar 55 Cold light

A GREEN SOLID LIGHT on the upper front panel indicates that power to the Arctic Star 55 is on. You can draw chilled water.

The ArcticStar 55 ECO Light Sensor

This ECO feature automatically turns the Boiler off when the office lights are off. It saves about 25% in electricity.
In case the ArcticStar 55 is located in a dark area, it may be necessary to disable the ECO function by switching it OFF on the back of the Cooler.

Installation

When installing the unit for the first time the heating switch (HOT S/W) on the back of the cooler should be in the off position. Please ensure water can be drained from the hot tank, as a sign that there is water in the tank, before turning the hot switch on.
When the heating switch is turned on there will be a 3 minute delay before the element is switched on. This is a further protection to ensure the element is not damaged in case there is no water in the hot tank.
Quick Hot Water reference guide

GREEN LIGHT: Power ON
PULSING ORANGE LIGHT : Indicates heating to standard 92C.

SOLID ORANGE LIGHT : Standard temperature range of 92C/82C

PULSING RED LIGHT : Boosting to 95C/96C

SOLID RED LIGHT : 1.5ltr of Boosted Hot Water of 96C/90C

HOT WATER BOOSTER : Keep finger on Booster Icon until you hear second beep. Orange or Red Light will change to Pulsing Red. Once pulsing stops, Lights will show Red.
You can now draw 1.5ltr of 95C to 90C water (instant draw off).

Boost Icon

Heating indicator light

Power on/off light

Eco Light Sensor

HOT & ECO Switch

ArcticSpring 100C Hot & Cold Installation Instructions

The ArcticSpring 100C Hot Water Boiler

It including an 8 ltr Hot Water Tank with a constant delivery of 5 liters at above 90C with an nourly Capacit of 14 liters above 90C. Alongside the Boiler is a high Capacity Direct Chill Cooler with an hourly capacity of 20 liters of Chilled Water.

Descaling and Scale Prevention

The Hot Water Boiler is accessible from the top for easy descaling.
To avoid Scale building up inside the Hot Tank the Spring 100C can split the mains water supply between the Boiler and the Chiller. In a Hard Water Area the Boiler can be connected to a Scale Removal Filter, such as the Brita 150C. An expensive Filter, but very effective. A much cheaper Carbon Block Filter can be used for the Chilled Water inlet. If the Cooler is installed in a Soft Water Area a single Carbon Block can be used for both sides. Why the split? Scale Removal Filters are consumed by the amount of cold water passing through it. By limiting the amount we are extending its life!

The ArcticSpring 100C ECO Light Sensor

The ECO feature automatically turns the Boiler off when the office lights go out. 12 hours “Sleep Mode” would save your customer approx. 25% in electricity pa! The ECO function can be disabled with an OFF switch on the back of the Cooler.

Installation

When installing the unit for the first time the heating switch (HOT S/W) on the back of the Cooler should be in the off position. Please ensure that water can be drained from the hot tank, to show that there is water in the tank, before turning the hot switch on! If the boiler is turned on, without water in the tank, you will burn the heating element out.

Guide to the lights and dispensing buttons

Lights Flashing blue or red light: Chilling or heating in progress
Solid blue or red light: Temperature ready
ECO sensor operating: All lights turned off during Sleep Mode

Dispensing Press touch pad first to choose drink, before holding large grey button to dispense. Blue touch pad for child water & red for hot water

Jazz 1000/1100

Product Name		Hot & Cold and Cook & Cold Water Dispenser	
Model Name		Jazz 1000 / 1100Series	
External Dimensions		Floor Standing	Table Top
		340(W)x335(D)x1020(H)	340(W)x335(D)x560(H)
Weight		Abt. 20Kg	Abt. 17Kg
Compressor		1/18HP Sealed Type	
Condenser Type		Wire Type	
Motor Power Consumption		80W	
Refrigerant		R-134a	
Cold Water Tank		STS 304 2Liters	
Cold Water Capacity		200㎖ 10 Cups (6 ~ 10℃)	
Temperature Control		Thermostat Cold	
Cooling Type		Forced Cooling Type	
Heater Power Consumption		Hot & Cold Water Dispenser	Cook & Cold Water Dispenser
		430W	N / A
Hot Water Tank	Floor Standing	STS 304 2Liters	N / A
	Table Top	STS 304 1.6Liters	
Hot Water Capacity		200㎖ 10Cups (80 ~ 90℃)	N / A
Heater		Band Heater	N / A
Temperature Control		Bi-metal(Auto Return)	N / A
Overheat Protection Device		Bi-metal(Auto Return)	N / A
Regulated Power		AC 220~240V/50Hz. 1ϕ	
Cord Length		1.8M	
Front Panel		ABS	
Side Panel		EGI Color Panel	
Faucet		PP, ABS, SILICONE	
Earth Line		Green Colored, 1.8M	
Rated inlet pressure		127-294kPa	

3300/ARCTICSTAR55

Product Name	Cook & Cold and Hot & Cold Water Dispenser		
POU Models			
Model Name	WCPC(H)3300/55	WCPTC(H)3300/55	PFKIT(suitable for 3300/55)
Description	Floor Standing	Table Top	Plumbing Connection and Filter Kit
Dimensions	1140(H)x340(W)x340(D)	460(H)x340(W)x340(D)	
Weight	Abt. 26kgs	Abt. 20kgs	
Integrated Cup Holder	Yes, 75 Cups	No	
Easy Access Lower Front Panel	Yes, Spring Loaded	N/A	
Filters Mounted	Internally	Externally	
Optional SIP Self Sanitising Unit	Yes, Internal	Yes, External	
Bottled Models			
Model Name	WCBC(H)3300/55	WCBTC(H)3300/55	CONKIT3300/55
Description	Floor Standing	Table Top	Converts Bottled Cooler to POU
Dimensions(HxWxD)	1165(H)x340(W)x340(D)	488(H)x340(W)x340(D)	
Weight	Abt. 26kgs	Abt. 20kgs	
Integrated Cup Holder	Yes, 75 Cups	No	
Easy Access Lower Front Panel	Yes, Spring Loaded	N/A	
Optional SIP Self Sanitising Unit	Yes, Internal	Yes, External	
General Specifications			
Power Supply	220~240V / 50Hz		
Power Cable	UK 3 Pin Plug		
Compressor	1/10 HP Sealed Type		
Condenser	Wire Type		
Refrigerant	R-134a		
Cold Water Tank	Stainless Steel, 3 Litre		
Temperature Control	Adjustable Thermostat 4-12℃		
Chilling Capacity	Influent 22℃-18℃ (5 to 7Litres per Hour Below 10℃)		
Hot water Tank	Stainless Steel, 2 Litre	Stainless Steel, 1.5 Litre	
Heating Element	External Band Heater, Sheath Heater(ARCTICSTAR 55 ONLY)		
Hot Temperature	From 92℃ to 87℃(except:ARCTICSTAR55)	From 92℃ to 82℃(ARCTICSTAR55 ONLY)	
Booster Button	Up To 95 Degrees Hot Water Within 1 Minute (ARCTICSTAR 55 ONLY)		
ECO Mode	Turn Off Hot Tank Automatically In Darkness(ARCTICSTAR 55 ONLY)		
Construction			
Side Panels	EGI		
Front Panels	ABS		
Top Panels	ABS		
Taps	PP, ABS Assembly		
Display Light	LED Type with on/off switch on back of coder		
Display Panel	Add your own back lit logo by adhering your own transparent self adhesive label		
Rated inlet pressure	127-294kPa		

ArcticChill 88

Product Name	Cold Water Dispenser	
Model Name	WCPC 88	WCPTC 88
Description	Floor Standing	Table Top
Dimensions	1180(H)x340(W)x340(D)	460(H)x340(W)x340(D)
Weight	Abt. 23kgs	Abt. 16kgs
Integrated Cup Holder	Yes, 75 Cups	No
Flood Guard	Yes	
Hygiene Guard	Yes	
General Specifications		
Power supply	220~240V / 50 hz	
Power cable	UK 1 pin plug	
Compressor	NS36LAEG	
Condenser floor standing	Wire Type	
Condenser table top	Wire Type Fan Assisted	
Refrigerant	R-134a	
Direct chill/Pressure tank	Stainless Steel, x litre	
Temperature control	5-7 degr C Thermostat Setting	
Chilling capacity	Influent Temperature 16 degr C Instant Draw Off : 120 cups Hourly Capacity : 40 litres	
Side panels	EGI	
Front & Top panels	ABS	
Display light	LED	
Rated inlet pressure	127-294kPa	

ArcticChill 98

Product Name	Cook & Cold Dispenser	
Model Name	WCPC98	WCPTC98
Description	Floor Standing	Table Top
External Dimensions	1180(H)x340(W)x340(D)	460(H)x340(W)x340(D)
Weight	Abt. 23kgs	Abt. 16kgs
Integrated Cup Holder	Yes	
Easy Access Lower Front Panel	Yes	
General Specifications		
Power Supply	220~240V/50hz	
Compressor	WX35LHS5W-K	
Condenser	Wire Type	Wire Type Fan Assisted
Refrigerant	R-134a	
Direct chill/Pressure tank	Stainless Steel, x litre	
Temperature control	Thermistor	
Heater Power Consumption	N/A	
Hot Water Capacity	N/A	
Temperature control	N/A	
Overheat Protection Device	N/A	
Overflowing Protection Device	N/A	
Motor Power Consumption	0.86A, 132W	
COLD Water Capacity	1.2L	
Protection Device	Safety Valve 2.8K	
Side panels	EGI	
Front&Top panels	ABS	
Display light	LED	
Rated inlet pressure	127-294kPa	

ArcticSpring100C

Product Name	Hot & Cold Dispenser
Model Name	WCPH100C
Description	Floor Standing
External Dimensions	1180(H)x340(W)x340(D)
Weight	Abt. 27kgs
Integrated Cup Holder	Yes
Easy Access Lower Front Panel	Yes
General Specifications	
Power Supply	220~240V/50hz
Compressor	WX35LHS5W-K
Condenser	Wire Type
Refrigerant	R-134a
Direct chill/Pressure tank	Stainless Steel, x litre
Temperature control	Thermistor
Heater Power Consumption	2000~2400W
Hot Water Capacity	abt. 7.9L
Temperature control	Thermistor
Overheat Protection Device	Bi-Metal(Manual Return)
Overflowing Protection Device	LEVEL/SENSOR
Motor Power Consumption	0.86A, 132W
COLD Water Capacity	1.2L
Protection Device	Safety Valve 2.8K
Side panels	EGI
Front&Top panels	ABS
Display light	LED
Rated inlet pressure	127-294kPa

MEMO

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