Installation Instructions

AA171408F-UG-220V	Wall-Mounted Water Cooler with Flexi Bubbler | Satin Finish (shown)
AA171408S-UG-220V	Wall-Mounted Water Cooler with Stainless Bubbler | Satin Finish
AA171108F-UG-220V	Wall-Mounted Water Cooler with Flexi Bubbler | Universal Grey
AA171108S-UG-220V	Wall-Mounted Water Cooler with Stainless Bubbler | Universal Grey

WaterMark
WMTS105
Lic. 022317

LEAD-FREE WATER

Downloads of resources

Warranty & Cleaning Guide - Product Datasheet - CAD Drawings

Components

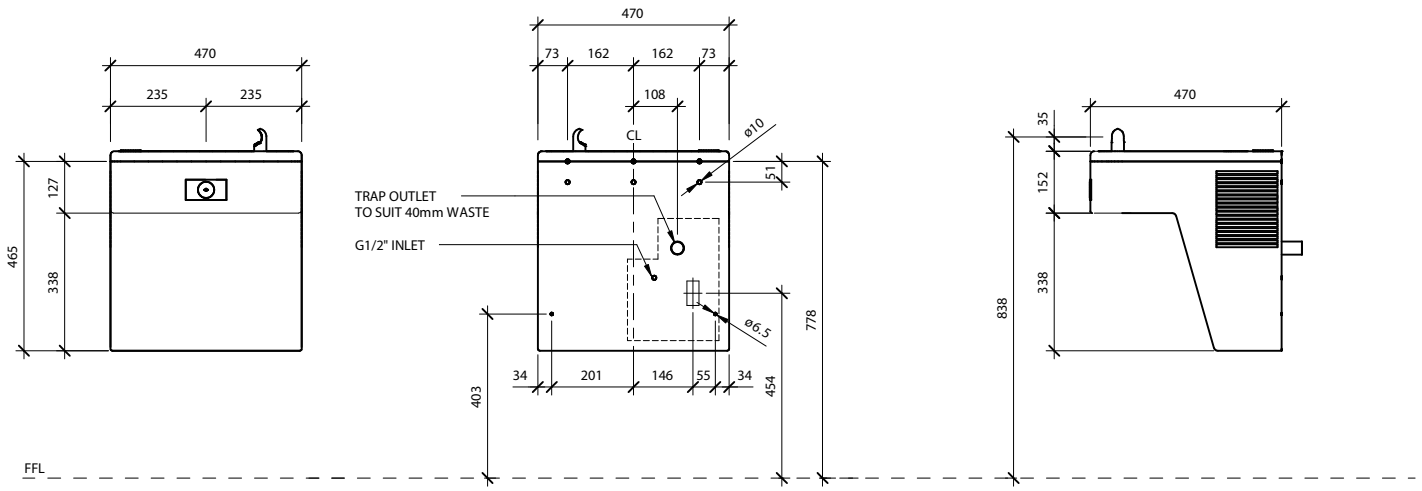
- Water Cooler
- 9V transformer
- Stop valve
- Electrical outlet
- Locking grommet
- Traps (by others)
- Fixings (by others)

Hydraulic Requirements

Pressure:	200kPa - 500kPa
Inlet:	1/2” BSP
Outlet:	40mm BSP
Water Temp:	4°- 30°C

Provide 102mm minimum clear space on fixture sides to allow for proper ventilation through water cooler cabinet louvers.
Due to cold waste water, we recommend the trap (supplied by installer) be insulated to prevent excessive condensation.

Rough-in & Dimensions



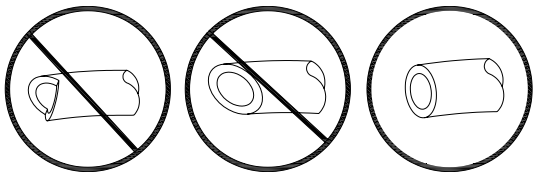
Installation Instructions

1. Check rough-in drawings against supplied product.
2. Mount hanger bracket to wall. Hanger bracket MUST be securely anchored with fasteners (supplied by others) sufficient to support 3 times the weight of the water cooler.
3. Remove the bottom cover from the water cooler and set aside in a safe place. Place the screws in a safe place for re-use in later stages of installation.
4. Hang the water cooler on the hanger bracket, ensuring the bracket tabs engage AND seat in the slots in the back of the water cooler. Verify the water cooler is level, straight and plumb.
5. Anchor water cooler to wall at other mounting points in base. If necessary, shim lower rear mounting points to level unit.
6. Thoroughly flush the supply line and then connect water supply to water cooler.
7. Make up trap waste connection.
8. Flush the supply line to remove all foreign debris.
9. Connect water supply to water cooler with 1/2" BSP.
10. Turn on building water supply and check all connections for leaks.
11. Air within the water supply will cause an irregular bubbler outlet stream until purged out by incoming water. Covering the bubbler with a clean cup (or similar object) is recommended when first activating water cooler. Depress push button until steady water stream is achieved.
12. Adjust bubbler to the site requirements;
    - 12a. If water flow requires adjustment, insert a slotted narrow blade screwdriver in the centre of the button actuator. Turning clockwise will increase flow and turning counterclockwise will decrease flow.
    - 12b. The water temperature can be adjusted using a slotted screwdriver in the cold water thermostat and turning clockwise to make colder and counterclockwise to make warmer.
    - 12c. Bubbler Stream – Bubbler can be rotated slightly to direct the stream backwards or forwards.
13. Plug water cooler into electrical outlet and make sure unit begins to function.

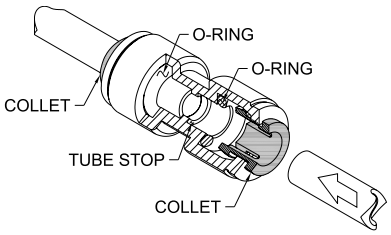
Push-In Fitting Installation

Note: Fittings and tube should be kept clean, bagged and undamaged prior to installation.

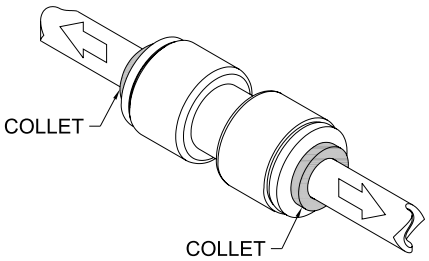
1. Cut to fit length of 1/4" PE tubing and remove any burrs or sharp edges. Ensure that the outside diameter is free from score marks. Tube ends should be square.



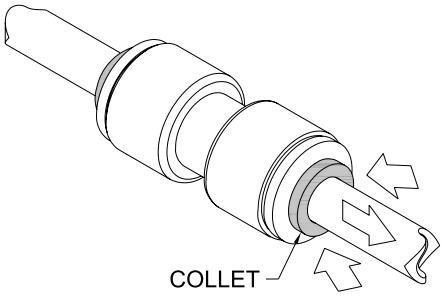
2. Firmly and fully insert the tubing end into the push-in fitting up to the tube stop located approximately 1/2" (13mm) deep.



3. Pull on the fitted tubing to ensure it is secure. Tube should not come free from the fitting. Water test the connection assembly prior to leaving the site to ensure there are no leaks.



4. Prior to disconnecting the tube from the fitting, ensure that the water line is depressurised. Push collet square towards the push-in fitting body and hold. While holding the collet in, pull on the PE tubing to remove from the push-in fitting.



Cleaning & Maintenance

1. Motors have lifetime lubrication and do not require scheduled maintenance.
2. Excess dirt or poor ventilation will cause the compressor overload protector to turn the compressor off and it will cycle on and off with no cold water coming out of bubbler. Periodically clean with vacuum cleaner, air hose or brush the condenser fins and cabinet ventilation louvers. In environments where dirt and dust is more prevalent, clean more frequently.
3. Periodically remove access panels and clean out in-line strainer.
4. Do NOT use harsh chemicals, abrasive or petroleum based cleaners. Use of these will void warranty.
5. Exterior panels can be cleaned using mild household detergents or warm, soapy water. Extra care must be used cleaning chrome plated items and mirror finished stainless steel. They can scratch easily and should only be cleaned using a clean, soft cloth and mild soap with water or a mild glass cleaner
6. To remove water spots or rust spots, stainless steel cleaner/polish on a cloth is recommended.
7. If there are stubborn spots or if you wish to treat a scratch, synthetic abrasive general purpose pads such as Scotch-Brite® is recommended.
8. Apply stainless steel cleaner/polish to the synthetic abrasive pads and carefully rub the panel with the grain.
9. Do NOT use harsh chemicals, abrasive or petroleum based cleaners. Use of these will void Bubblers Australia warranty. Do not use abrasives on powder coated units.
10. Stainless steel should be kept clean at all times. If a coating of stainless steel cleaner/ polish is maintained, stainless steel surfaces will retain their new, clean, polished appearance indefinitely. Use clean mild soapy water for powder coated units.
11. Periodically remove panels and clean out inline “Y” strainer.

Troubleshooting

Before making any of the repairs listed, make sure the water cooler is disconnected from the electrical supply and the water supply valve is shut off.

Problem	Probable cause
Compressor does not run	Check the power supply cord.
	Check the electrical receptacle for power and correct voltage. The incoming voltage must be within 10% of the rated voltage on the serial nameplate.
	The cold thermostat is accessible by removing the bottom access cover. If the cold thermostat capillary bulb loses its charge or becomes kinked it will fail in the open position causing a disruption of power to the compressor. Unplug the water cooler, using an ohm meter, check for continuity across the two electrical terminals on the thermostat. Install a new thermostat if there is no continuity.
	Check for loose wires within the compressor box. The incoming power leads must be connected to the overload and relay. If all components check positive for continuity, then test the wiring harness plug for continuity.
Compressor runs - water is warm	The most common cause for a water cooler to run without producing cold water is a loss of refrigerant. The water cooler must be taken to a certified refrigerant technician for repairs.
	Make sure the condenser fan motor is operative. The fan blade must turn freely to help remove the heat of compression.
	An incorrect refrigerant charge, restriction or defective compressor (not pumping) will also cause the compressor to run without producing cold water. All these signs indicate a problem within the refrigeration system and the water cooler must be checked by an authorized service company.
Noisy operation	Check to make sure the fan blade is rotating freely.
	Make sure the water cooler is correctly mounted to the wall. Absence of the two lower mounting bolts may cause excess noise and vibration.
	Check the compressor mounting to make sure the pins and clips are not rattling. If the compressor appears to be noisy internally, it must be replaced.

Troubleshooting continued....

Restricted or no water flow	Ensure water supply service stop valve is fully open.
	Verify minimum 200 kPa supply line flow pressure.
	Check for twists or kinks in bubbler tubing.
	Check the water inlet strainer. Sediment from the main supply can get trapped in the screen along with installation materials such as pipe dope and flux. The screen should be cleaned and checked on a regular basis and replaced if needed.
	The cartridge valve located in the water control assembly or bubbler can also become clogged with foreign material. The cartridge valve can only be replaced and not repaired.
	The water cooler may also develop a freezing condition in which the water will become frozen inside the evaporator coil. This indicates a refrigeration problem or thermostat failure in which case the water cooler needs to be checked by a qualified technician.
	Check flow adjustment. If necessary, adjust bubbler to site requirements.
	The water cooler may also develop a freezing condition in which the water will become frozen inside the evaporator coil. This indicates a refrigeration problem or thermostat failure in which case the water cooler needs to be checked by a qualified technician.
	No power to transformer connections loose or wires cut.
Compressor cycling on overload protector	A dirty condenser or a blocked fan will cause a high head pressure and frequent cycling of the overload protector.
	Check the incoming voltage to make sure it is within 10% of the serial nameplate rating.
	A restriction or moisture in the system will also cause intermittent cycling. A certified refrigeration mechanic should be contacted in this situation.
	Change the overload or relay if defective.
If light within sensor does not flash once when user is within range	Verify 240V AC input & 9VDC output of transformer.
	Replace defective transformer.
	Sensor in “Security Mode” after 20 seconds of constant detection. Remove source of detection and wait 30 seconds before checking.
If light within sensor lens flashes once when the user is within range	Repair bad connection from sensor to solenoid.
	There is debris or scale in the solenoid assembly. Remove solenoid, pull out plunger and spring. Clean with scale remover solution.
	There is debris or scale in centre or two holes in convolution of the water diaphragm. Remove and clean.

Note: This product should be installed, by suitably qualified persons, in a fit for purpose application, to suitable materials, using suitable fixings and comply with any relevant codes. It should be inspected periodically for signs of wear and tear that may affect performance or safety.

Dimensions are subject to manufacturer's tolerance of +/-10mm. Rough-in should be completed with each fixture. Important: Installation Instructions are subject to change without notice. Please visit our websites for latest revision.