



Installation Instructions

AA481408F

Recessed Water Cooler



Downloads of resources

Warranty & Cleaning Care guide - Technical Data sheet -CAD Drawings

As improvements in the design and performance of Bubblers.com.au products are continuous, specifications may be subject to change without notice. The illustrations and descriptions herein are applicable to production as of the date of this Installation Instructions Sheet.
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Components Supplied

- Water Chiller Unit
- Bubbler & bottle filler unit
- Mounting Frame

Components Supplied by Others

- Stop Valve

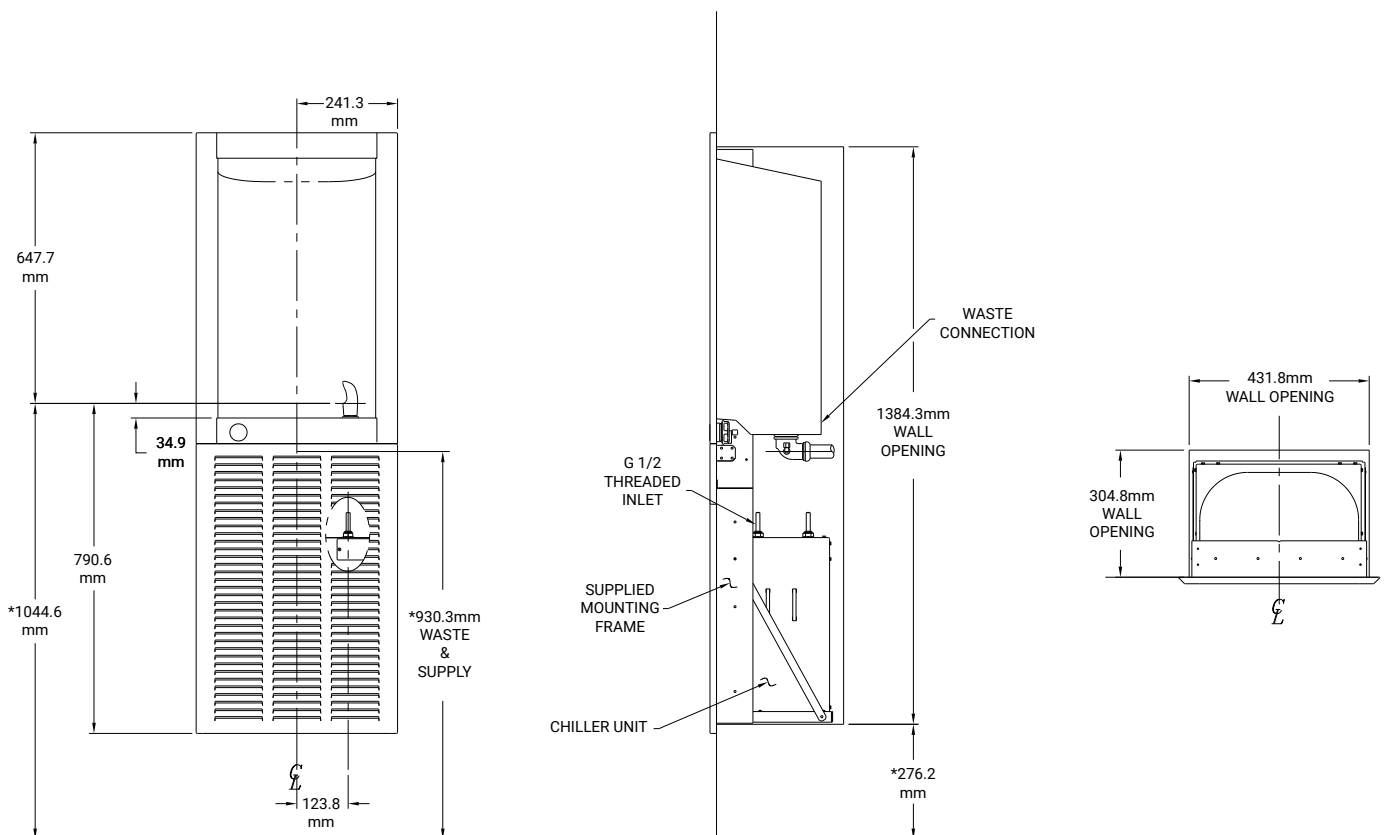
Hydraulic Requirements

Operating pressure:	200-500kPa
Inlet:	G1/2
Outlet:	?
Water Temp:	4°- 32°

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

Rough-in and Dimensions

Prior to roughing-in consult with local, state, and federal codes for proper mounting height. Installation to be done in accordance with AS/NZS3500.1 and AS/NZS3500.2



GENERAL NOTES:

1. All dimensions are in millimetres
2. *Dimensions shown are for recommended adult height. Adjust vertical dimensions as necessary to comply with federal, state & local codes.

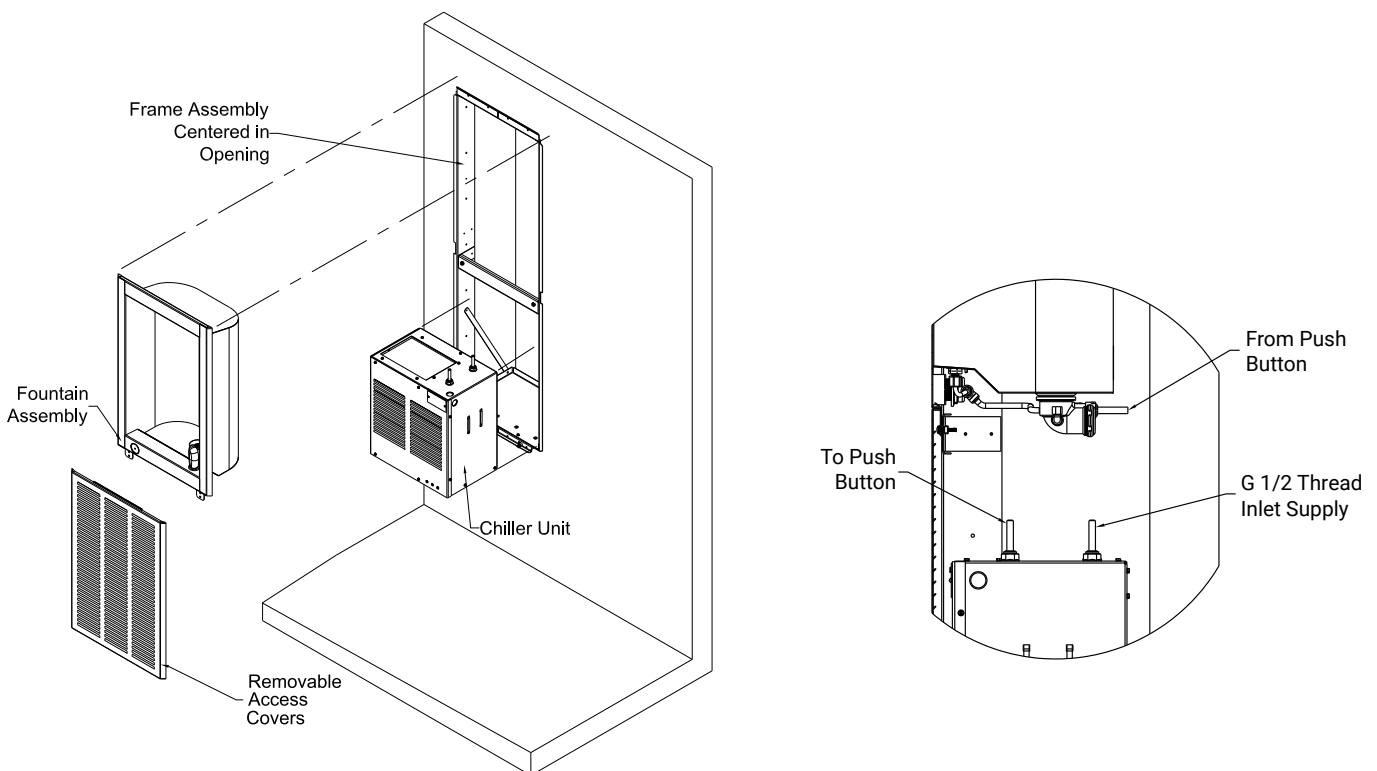


Installation

1. Check rough-in drawings against supplied product.
2. Install the Mounting Frame Assembly for the Chilled Fountain. Center the Frame Assembly and securely install per Rough-In number [7020-000-001] [Figure X].
3. Place the Chiller Unit onto the base pan of the Fountain Frame Assembly.
4. Securely hang the Fountain Assembly on the top flange of the Frame Assembly making sure that the flanges engage.
5. Secure the Fountain to the Frame Assembly using the supplied #10-32 screws and washers. The screws need to pass through the tab and into the frame containing the captive nut. Tighten the screws to pull the Fountain flush with the wall.
6. Install water supply and drain as required per Figure A rough-in dimensions.
7. Make up waste connection.
8. Thoroughly flush the supply line, connect water supply to the Fountain.

Start Up

1. Before assembling bottom covers to the Fountain, but after thoroughly flushing the supply line and connecting it to the fixture, turn on building water supply and check all connections for leaks.
2. Air within the Fountain or the structure supply piping will cause an irregular outlet stream until purged out by incoming water.
3. Recheck all water and drain connections with water flowing through system.
4. Install Removable Access Covers to the Fountain bottom Mounting Bracket, install the supplied #8-32 screws & washers from the bottom of the Removable Access Covers.





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.



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, see Installation Step #12 [Page 3].
- 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.

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.

Pushbutton Installation

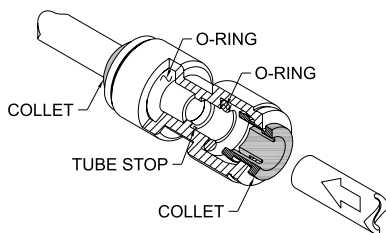
Note: fittings and tube should be kept clean, bagged and undamaged prior to installation.

Figure 2

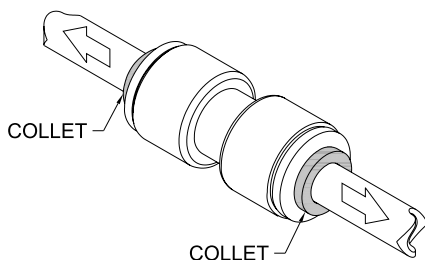
1. Cut to fit length of 1/4" PE Tubing and remove any burrs or sharp edges. Ensure that the outside diameter is free from score marks. Tube ends should be square.



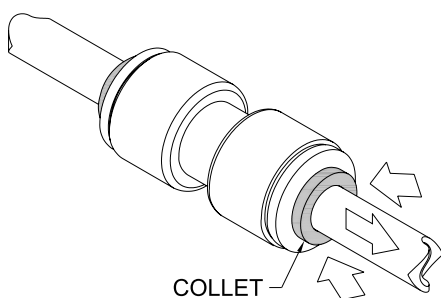
2. Firmly and fully insert the Tubing end into the Push-In Fitting up to the Tube Stop located approximately 1/2" [13mm] deep.



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.







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.