Installation instructions & user manual

Zip Freestanding Chilled Water

Instant filtered drinking water.

AFFIX PRODUCT LABEL HERE

WARNINGS AND PRECAUTIONS

1. Please read all Warnings and Precautions, and Installation Instructions before installing this appliance. Never attempt to install the appliance without reading all of the applicable instructions.
2. Plumbing and electrical connections must be made in accordance with local regulations and relevant standards. In Australia: the relevant parts of Plumbing standard AS/NZS 3500 and Electrical Wiring Rules AS/NZS 3000.
3. This appliance must be earthed.
4. The power cord and general power outlet must be in a safe and accessible position after installation.
5. If the power supply cord is damaged it must be replaced by a Zip Service Provider or a qualified electrician.
6. Do not remove the cover of the appliance under any circumstances without first isolating the appliance from the power supply.
7. This unit is designed for indoor use and must not be installed outdoors or exposed to the elements of nature.
8. This unit must not be cleaned by a water jet. This unit must not be positioned in an area that may be cleaned by a water jet.
9. 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. For products sold in Europe, this appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should be supervised to ensure that they do not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
10. This appliance is intended to be used in staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.
11. The appliance must be placed in an upright position.
12. Due to the process of continuous improvement, Zip reserves the right to change details mentioned in this manual, without notice. Visit **zipwater.com** to ensure you have the latest copy of this document.

Installation instructions

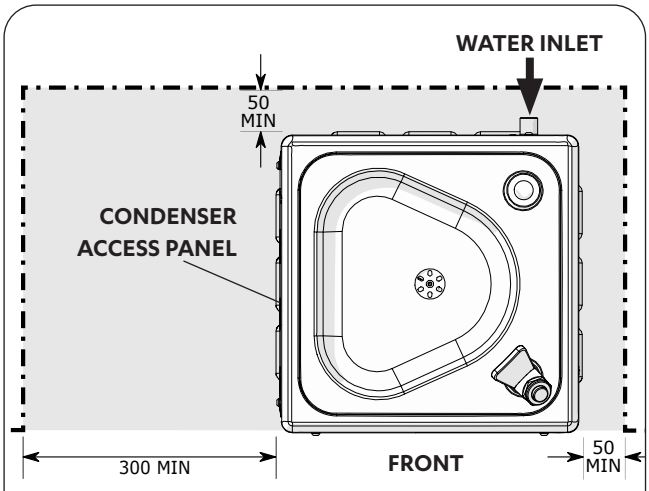


Fig.1 Minimum clearance requirement

Positioning

Allow a clear gap of at least 300 mm on the left side of the unit, and 50 mm on the other sides of the unit, to allow air flow through the vents (Fig.1).

The average height for the centre line of the water inlet is 535 mm, and for the waste outlet, 790 mm (Fig.2).

For ChillMaster models: finished height will vary due to adjustable feet. Place the unit on a level floor and screw the feet in or out as appropriate to make the unit level and steady.

Water Supply Requirements

Connect only to cold water 10 - 38°C with a pressure range of 150 kPa - 700 kPa. For higher-pressure installations, a pressure-limiting valve is required. For ChillMaster models, a 500 kPa pressure limiting valve is internal to the unit.

NOTE: No valves are supplied with the SiteMaster and EconoMaster. All necessary valves must be supplied separately by the installer.

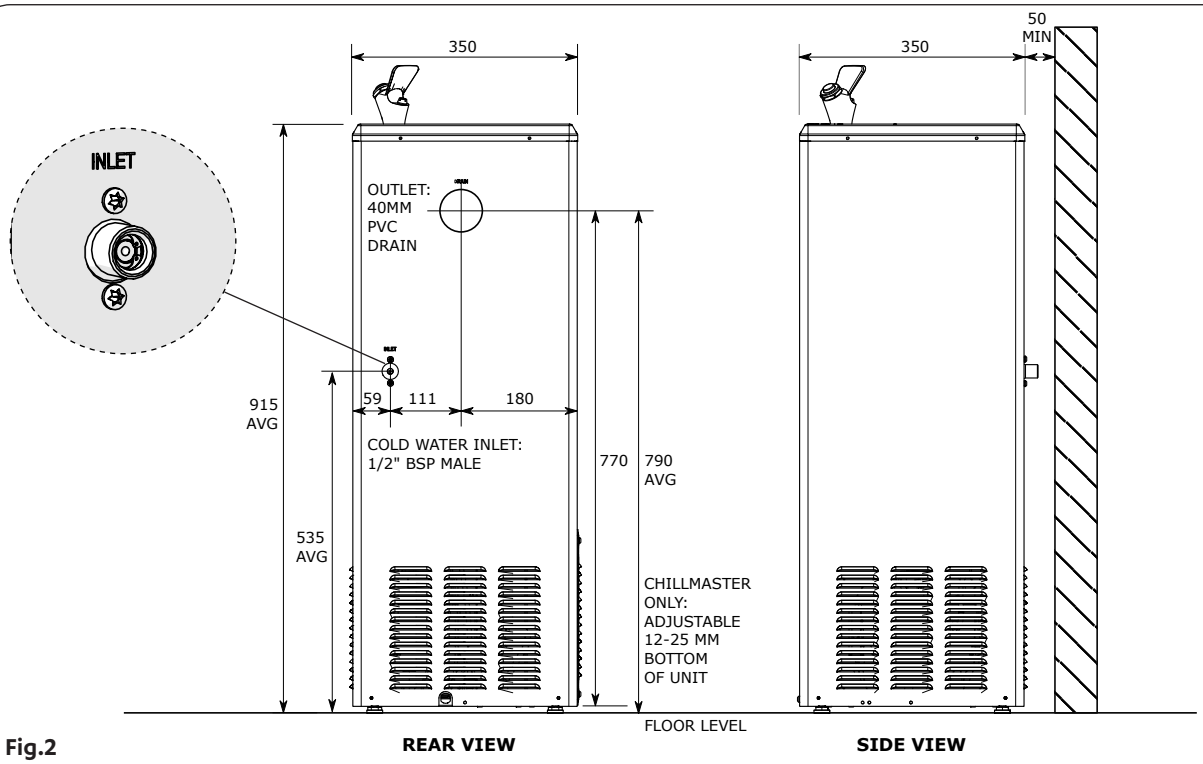


Fig.2

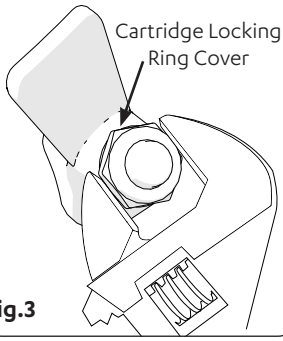


Fig.3

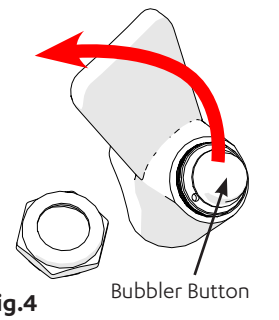


Fig.4

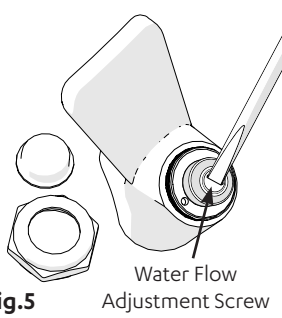


Fig.5

Connect Water

It is the installer's responsibility to ensure the installation complies with local water authority regulations and relevant standards.

- Connect a cold water supply to the half-inch BSP male inlet at the back of the unit (Fig.2).
- Connect a drain to the 40 mm PVC female outlet (ChillMaster, EconoMaster) or male outlet (SiteMaster) at the back of the unit.
- Fit the tap spout to the carafe base and tighten the grub screw at the rear of the tap (if included).
- **ChillMaster only:** All valves necessary for use with the ChillMaster are already assembled within the unit. ChillMaster models incorporate backflow protection complying with AS3500.1 and no further backflow protection is required. An integral pressure relief valve protects ChillMaster models from increased pressures, should a "freezedown" condition arise.

Electrical

A 1.8m flexible cable and 220-240V, 50Hz, 3-pin plug are fitted. Run the cable out of harm's way and plug into a standard 10A power outlet. Do not turn the power 'ON' until water flows from the dispense outlet.

Adjust Bubbler Water Flow (Bubbler models)

When plumbing connections are complete, purge the air from the unit, by turning 'ON' the water supply and pressing the button on the bubbler, and rotating the handle of the carafe tap (if included), until the water flows through without spluttering. Check connections for leaks and repair any found. Then:

- Use an adjustable shifter to remove the Cartridge Locking Ring Cover. Remove the Bubbler Operating Button (see Fig.3 & 4).
- Use a small, flat screwdriver to adjust the Water Flow Adjusting Screw until the desired water flow is achieved (see Fig.5).
- Refit the Operating Button and then the Cartridge Locking Ring Cover.

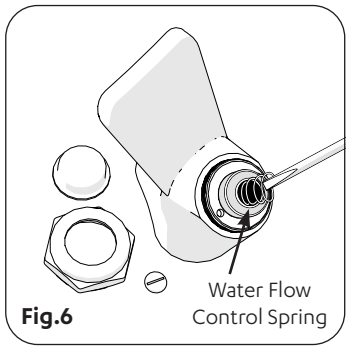


Fig.6

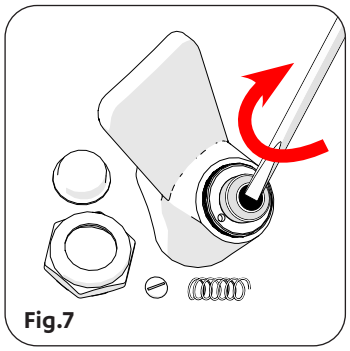


Fig.7

Correcting Excessive Water Flow from the Bubbler

Excessive water flow from the Bubbler outlet nozzle may be due to excessive inlet water pressure. If inlet supply pressure is greater than 700 kPa, a pressure limiting valve (PLV) should be fitted as per the manufacturer's instructions (only for EconoMaster/SiteMaster. The ChillMaster already has a PLV internally fitted).

If excessive water flow is still a problem, tighten the Cartridge inside the Bubbler, as follows:

1. Turn off the water supply and use an adjustable shifter to remove the Cartridge Locking Ring Cover from around the Bubbler Operating Button (Fig.3).
2. Remove the button to expose the Water Flow Adjustment Screw (Fig.4). Use a small, flat screwdriver to remove this screw (Fig.5).
3. Using a small, flat screwdriver, remove the Water Flow Control Spring (Fig.6). Inside the Spring Cavity is the Cartridge Assembly Fixing Nut.
4. Using a flat screwdriver, with a 7-8mm wide blade free of wear that fits freely inside the Spring cavity, fully tighten the Cartridge Assembly Fixing Nut by turning clockwise (Fig.7).

Note: It is important not to use a flat screwdriver with a narrower blade than recommended in Step 4, as this may damage the slot in the Cartridge Assembly Fixing Nut and make future adjustment impossible. Do not force a screwdriver that is wider than the Spring cavity into the cartridge, otherwise the cartridge may be damaged and may malfunction.

5. Return the Spring and refit the Water Flow Adjusting Screw, using the flat of your thumb before using the screwdriver to help prevent cross-threading of the delicate plastic thread.
6. Turn 'ON' the water supply and adjust the Water Flow Adjusting Screw until the desired water flow is achieved. Refit the Operating Button and then the Cartridge Locking Ring Cover.

If water starts to come out of the bubbler outlet nozzle when refitting the Cartridge Locking Ring Cover, repeat the above process, ensuring that the Cartridge Assembly Fixing Nut is fully screwed in. If water outflow persists, the Cartridge may need to be replaced. Contact Zip Service.

Operation

Operating the Bubbler (Bubbler models)

Chilled water is dispensed continuously by pressing the bubbler button (Fig.8).

Operating the Carafe Filler (Carafe Filler models)

With the lever in the upright position, the tap is off. Rotate the lever anti-clockwise to dispense chilled water. Release the lever to stop water flow (Fig.9 & 10).

Fig.8 Bubbler

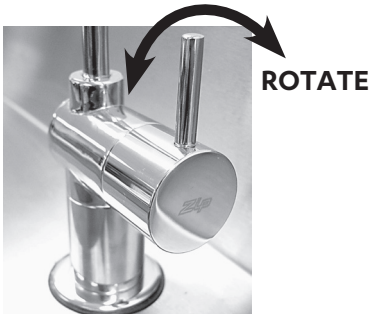


Fig.9 Standard Carafe

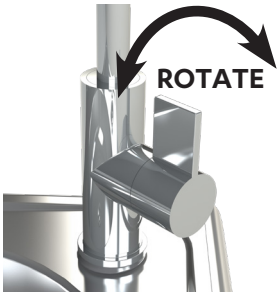


Fig.10 Heavy Duty Carafe

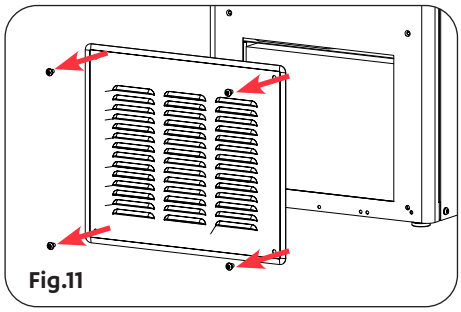


Fig.11

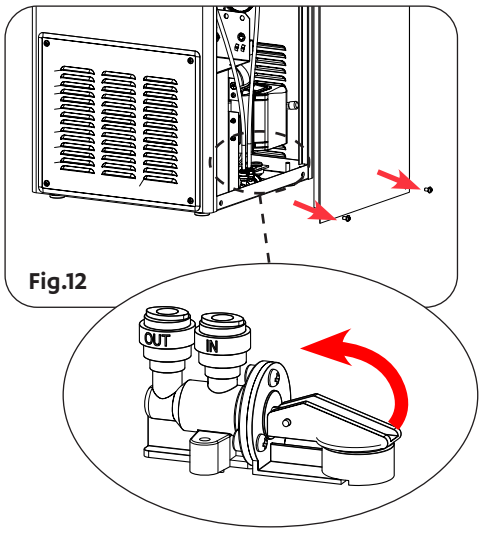


Fig.12

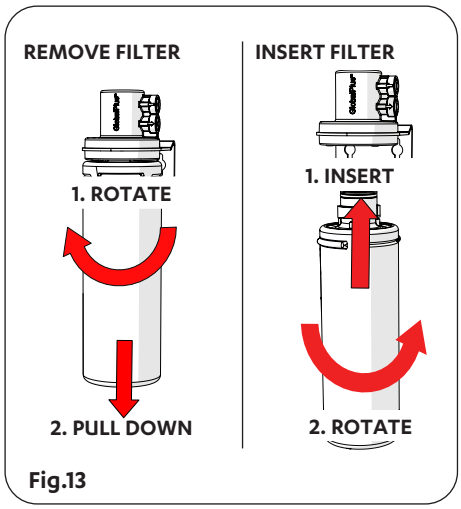


Fig.13

Condenser (all models)

The Condenser should be cleaned at regular 12-monthly intervals, or when the filter is replaced (for ChillMaster).

To access the Condenser: Disconnect power and remove the 4 screws (Fig.11). Remove the panel and clean the Condenser using a soft-bristled brush or vacuum. Replace the panel and restore power when complete.

Leak Detector (all models)

If water should leak within the appliance, the cotton pad in the Leak Detector will close the valve to stop water flow. Identify and repair any leaks. The Leak Detector Pad must then be replaced.

ChillMaster: Leak Detector is supplied ready to use.

EconoMaster & SiteMaster: Leak Detector is supplied but not enabled. To enable the Leak Detector, put a pad inside and close the cover.

To access the Leak Detector: Turn OFF power and unplug the power lead. Remove the front panel of the appliance. The Leak Detector is located towards the front of the unit at its base.

Open the cover of the Leak Detector to insert/replace the pad (Fig.12). Dampened pads must be replaced and then can be discarded. Close the cover of the Leak Detector and check that water flow has returned. Replace the appliance panel and restore power.

New units are supplied with two Leak Detector Pads. If required, call Zip Service for replacement P/N 95127.

Filter Replacement (ChillMaster only)

Zip ChillMaster has a filter replacement reminder light that shows through the front label. During normal operation, the light flashes once per minute. When the filter cartridge is due for replacement, the light flashes once per second. Refer to the Service section for filter timer duration.

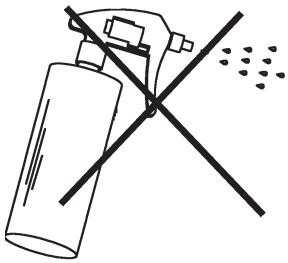
NOTE: For safe operation, the filter cartridge should be replaced at least every 6-12 months, when the reminder light flashes once per second, or earlier if you notice a persistent reduction in water pressure from the appliance or an unpleasant taste or odour in the water.

1. Turn OFF water and power to the unit. Remove the front cover.
2. Turn the chilled water tap lever to release the water pressure in the unit. Once water has stopped running from the tap, turn off the tap.
3. Rotate the filter clockwise and gently pull the cartridge down to release it from the filter head (Fig.13). Dispose of the filter cartridge responsibly. Clean any water that has pooled below the filter head.
4. Fit a new filter by rotating the filter anti-clockwise and gently pushing up. The filter will click into place.
5. Turn ON the water supply to the unit. Turn ON the chilled water tap. Allow 7.5 litres to flow from the outlet.
6. Turn OFF the chilled water tap.
7. Turn ON the power supply to the unit.
8. At the same time as the filter replacement, it is recommended to replace the 2x AAA batteries for the reminder light, and clean the condenser.

Warning: Not changing filter cartridges when required may cause the water to become biologically unsafe. If the Zip ChillMaster is switched off for a long period of time (e.g. more than 2-3 days), run water through the chilled water outlet for at least 5 minutes before consumption.

Replacement filter cartridges can be obtained through plumbing suppliers or directly from Zip. Use only the appropriate Zip 0.2 or 3 micron filter.

Cleaning



Never use strong, corrosive or abrasive cleaning materials. Stainless steel surfaces will show scratches if an abrasive cleaning product is used.

Wipe clean the outer surfaces with a sponge or a soft cloth using a mild soap and water.

The louvres on the sides of the unit need to be kept free of dust and lint to permit free flow of air through the vents. Check at least monthly, and dust or vacuum if required.

Servicing

There are dangerous voltages present within the unit. All service work must only be carried out by a suitably qualified and experienced service person.

Before calling for service, check that both the water and electricity supplies are turned 'ON' and OK.

Call a licenced electrician, plumber, or Zip free call in Australia on 1800 460 222, for assistance, service, spare parts, or enquiries.

Filter Timer Module (ChillMaster only)

The filter timer module is a microcontroller-programmable, extended duration timer. It is programmable from one to six months in duration.

A red Light Emitting Diode (LED) that shows through the front label will flash once per second when the selected filter time has elapsed, as a reminder to replace the filter. The unit will stay in this state until the batteries are exhausted.

The 2x AAA batteries should be replaced when filter is replaced.

To reprogram the filter timer module, first remove the front panel of the ChillMaster. The filter timer module is located inside.

Remove the batteries and locate the switch bank, mounted on the reverse side to the battery holder of the timer module's printed circuit board.

Referring to the table below, select the appropriate sequence. Set the switches to ON or OFF positions by depressing the end of each switch with a small instrument such as a pen or small screw driver.

Replace the batteries and the front panel of the ChillMaster.

Note: Factory Setting is 6 months

TIME MONTHS	SWITCH 1	SWITCH 2	SWITCH 3	SWITCH 4
1	ON	OFF	OFF	OFF
2	OFF	ON	OFF	OFF
3	ON	ON	OFF	OFF
4	OFF	OFF	ON	OFF
5	ON	OFF	ON	OFF
6	OFF	ON	ON	OFF
TEST	X	X	X	ON

(X = Any position)

Troubleshooting

Prior to any fault finding, please ensure all water connections to the unit are sound and that the incoming water supply is turned on. Ensure that all electrical connections to the unit are secure and that the unit has had adequate time to cool down.

Call a licenced electrician, plumber, or Zip free call in Australia on 1800 ZIP TAP (1800 947 827), for assistance, service, spare parts, or enquiries.

Fault	Possible Cause	Solution
No water supplied	Mains water not connected or turned on	Connect or turn on water supply.
	Water pressure regulator failed	Contact local Zip Service Provider.
	Unit frozen up	Contact local Zip Service Provider.
	Internal water leak	Contact local Zip Service Provider.
	Leak detector activated	Identify and repair any leaks. Replace leak detector pad. Contact local Zip Service Provider if required.
Water not chilled	No power	Restore power to the unit.
	Thermostat faulty or out of calibration.	Contact local Zip Service Provider.
	Insufficient cooling air flow through the refrigeration system	Check and clean air inlet screen.
	Refrigeration failure	Contact local Zip Service Provider.
	Rated chilled water capacity has been exceeded	Allow unit sufficient time to recover.
Poor flow at outlet	Blocked filter	Replace filter.

End of life disposal

In order to help preserve our environment we ask that you dispose of this product correctly. Please contact your local city council for collection centre details.

Zip Water (Aust) Pty Ltd ABN 46 000 578 727
67-77 Allingham Street, Condell Park NSW 2200
Postal: Locked Bag 80, Bankstown 1885 Australia
Ph: **(+612) 9796 3100**
zipwater.com | 1800 ZIP TAP (1800 947 827)