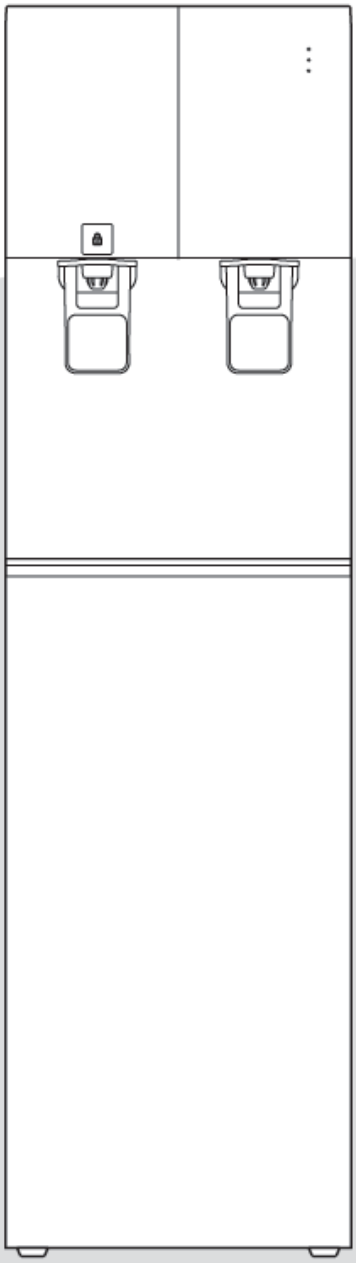
AA FIRST

Quality – Reliability – Integrity



MAGNUS ONE
INSTALLATION INSTRUCTIONS

(WCBCM1 & WCBHM1)

2026

IMPORTANT SAFETY INFORMATION

- This appliance contains isobutane refrigerant gas (R600a). R600a is environmentally friendly but flammable. Handle, transport and install the appliance with care.
- Do not strike, shake, drop or tilt the appliance excessively during transport or installation. If the appliance has been transported on its side or tilted significantly, allow it to stand upright before connecting power. Confirm the correct standing time with the final manufacturer instructions.
- Keep ventilation openings clear. Do not block the rear condenser or position the appliance where airflow is restricted.
- Do not damage the refrigerant circuit. If the refrigerant circuit is damaged, ventilate the room, avoid naked flames and ignition sources, disconnect the appliance if safe to do so, and contact the service center.
- Do not use the appliance if it appears damaged, has a damaged power cord, or is not operating correctly.
- This appliance must be connected to a suitable earthed UK 3-pin socket. Do not use multi-plug adaptors or overloaded extension leads.
- Always unplug the appliance before cleaning, maintenance or moving the unit.
- For the Chilled & Hot model, do not turn on the hot water switch until the hot tank has been filled.

INTENDED USE

- This appliance is intended for indoor use in domestic and similar applications, including staff kitchen areas, offices, shops, hotels, bed and breakfast environments and similar non-retail applications.
- This appliance may be used by children aged 8 years and above and by people with reduced physical, sensory or mental capabilities only when supervised or instructed in safe use.
- Children must not play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.

INSTALLATION PRECAUTIONS

- Place the dispenser on a hard, level and structurally sound floor.
- Keep the appliance away from heat, steam, direct sunlight and locations where water may splash onto the unit.
- Maintain at least 15 cm clearance between the rear of the appliance and the wall to ensure adequate ventilation.
- Do not connect the appliance to power until the water bottle is installed and the internal tanks have filled.
- Use only suitable bottled water containers designed for this type of bottom-loading dispenser.

INSTALLATION INSTRUCTIONS

1. Remove all packaging materials and shipping tape. Take care not to apply excessive force when unpacking.
2. Position the appliance on a level, structurally sound floor with at least 15cm rear clearance.
3. Do not tilt the appliance more than 45 degrees when moving it.
4. Open the lower door and connect the water hose to the water bottle. Place the bottle onto the internal shelf and close the door fully.
5. Connect the power plug to a suitable earthed UK 3-pin socket.
6. The front LEDs will blink while the appliance performs a self-diagnostic check.
7. After the door is closed, the pump will fill the internal tanks automatically. A brief pumping sound is normal.
8. For WCBCM1 Ambient & Chilled: allow the cold system to operate until chilled water is available.
9. For WCBHM1 Chilled & Hot: only turn on the rear hot water switch after the hot tank is full. The hot LED will illuminate while the water heats.

OPERATION

Cold water: When power is connected, the cold water function operates automatically. Adjust the cold water temperature using the rear thermostat control if required.

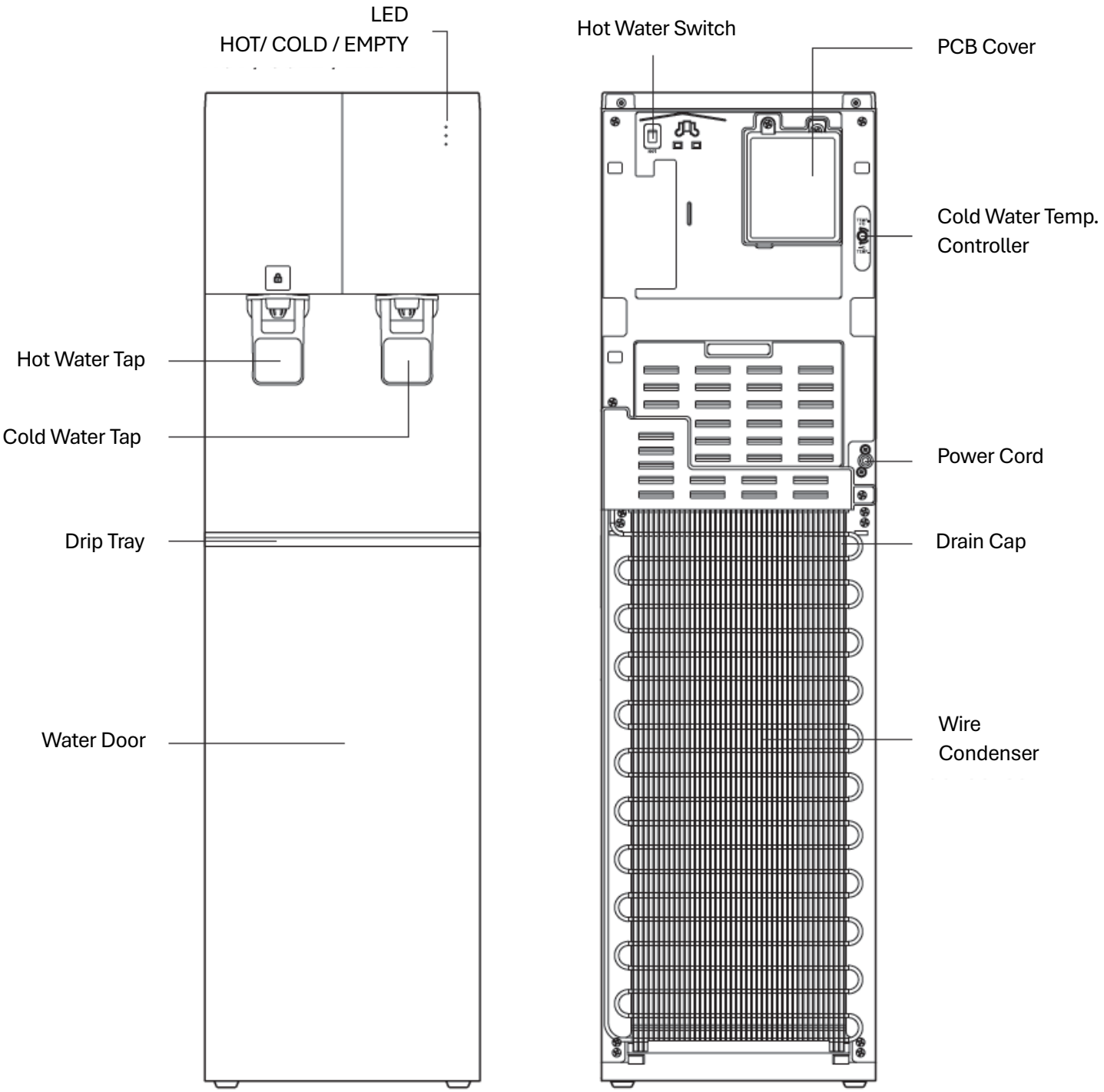
Hot water (WCBHM1 only): Turn on the rear hot water switch only after the hot tank has filled. Heating stops automatically when the set temperature is reached.

Empty bottle notification: When the EMPTY LED remains on, replace the water bottle. The pump will stop automatically until a new bottle is fitted and the lower door is closed.

LED STATUS GUIDE

LED Status	Meaning	Action Required
COLD LED continuously on	Power is connected and the cold water function is operating normally.	No action required.
EMPTY LED continuously on	The water bottle is empty or not detected.	Replace the water bottle and close the lower door fully.
All LEDs blinking at 1-second intervals	The lower door is open.	Close the lower door completely.
COLD and EMPTY LEDs blinking alternately	Water level sensor error.	Unplug the appliance, reconnect power and restart. If the issue continues, contact the service centre.
COLD and HOT LEDs blinking alternately	Pump operation error.	Unplug the appliance, reconnect power and restart. If the issue continues, contact the service centre.

PART BREAKDOWN



SANITISING

- 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 WHA guidelines using only tested and therefore endorsed sanitising products.

DESCALING INFORMATION (WCBHM1)

- Scale is a major problem for Hot Water Tanks in Hard Water areas. A build-up of scale inside the tank can seriously affect the safety and the performance of the equipment.
- The parameters affecting the formation of scale are water hardness, temperature and consumption.
- It is imperative that the Cooler is being de-scaled regularly. It is recommended that de-scaling is done outside the customers premises.

DESCALING INSTRUCTIONS

- 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 descaler 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. This could take 10-15 minutes or more.
- 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 Cooler with water and turn power back on.

EXTERNAL CLEANING

- Always unplug the power cord before cleaning the appliance.
- Clean external surfaces with a soft damp cloth. Dry thoroughly before reconnecting power.
- Do not spray water directly onto the appliance.
- Do not use abrasive cleaners, solvents, petrol, benzene or harsh chemicals.
- Wipe the wastewater tray frequently and empty it as required.
- If dust accumulates on the rear condenser, unplug the appliance and wipe gently with a soft damp cloth. Allow the unit to dry completely before reconnecting power.

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.
- Bottled coolers must be sanitised every 3 months.
- POU coolers must be sanitised, and the filter exchanged every 6 months.
- All coolers should be sanitised prior to commissioning.
- Sanitising should be in accordance with WHA guidelines.

LONG TERM STORAGE

- If the appliance is not in use for a prolonged period, unplug it and drain the cold and hot tanks completely.
- Any water left inside the appliance may stagnate.
- Dry all accessible surfaces thoroughly before storage.
- Store the appliance in a clean, dry environment. Protect it from dust, moisture and foreign substances.
- Before re-use, follow the installation instructions from the beginning.

TROUBLESHOOTING

Issue	Possible Cause	Action Required
Appliance does not operate	Power supply is not connected or is faulty.	Check the plug, socket and power supply.
Appliance does not operate	Fuse has failed.	Replace the fuse in the plug with the correct rated fuse. If the issue continues, contact the service centre.
Appliance does not operate	Power cord is damaged.	Do not use the appliance. Contact an authorised service centre.
Water is not cold enough	Rear ventilation is blocked.	Maintain at least 15 cm clearance at the rear and ensure good airflow.
Water is not cold enough	Supplied water temperature is too high.	Use water below 30°C and allow sufficient chilling time.
Water is not cold enough	Thermostat setting needs adjustment.	Adjust the thermostat control gradually.
Noise or vibration	Appliance is not level.	Place the appliance on a hard, level floor.
Noise or vibration	Appliance is touching another object.	Move the appliance so it does not touch walls, cabinets or other products.

SPECIFICATIONS

	WCBCM1	WCBHM1
Output	Ambient & Chilled	Chilled & Hot
Capacity	Ambient & 20L/H Chilled	20L/H Chilled & 5L/H Hot
Classification	Floor Standing	Floor Standing
Water Supply	Bottled (bottom loading)	Bottled (bottom loading)
Chilling System	Tank Fed	Tank Fed
Weight	23kg	23kg
Dispense Height	25cm	25cm
Dimensions (H x W x D)	1160mm x 320mm x 412mm	1160mm x 320mm x 412mm

Cold Temperature Control	Thermostat	Thermostat
Hot Temperature Control	N/A	Bi metal (auto return)
Thermal Cut Out	N/A	Bi metal (manual reset)
Cold Output Temperature*	10°C (or below)	10°C (or below)
Hot Output Temperature*	N/A	70°C (or above)

**Based on an inlet water temperature of 16°C*

Cold Tank Material	Stainless Steel (STS304)	Stainless Steel (STS304)
Cold Tank Capacity	1.7L	1.7L
Hot Tank Material	N/A	Stainless Steel (STS304)
Hot Tank Capacity	N/A	1.4L
Refrigerant	R600a	R600a
Condenser	Wire Type	Wire Type
Cold Wattage	70w	70w
Hot Wattage	N/A	430w
Voltage	220v – 240v	220v – 240v
Standby Usage (24hours)	0.10kwh	2.54kwh
Power Supply	UK 3 Pin Plug	UK 3 Pin Plug
Power Cord Length	1.5m	1.5m