

Install & Operation Manual

Dispense options

Chilled & Ambient
Chilled & Hot
Chilled, Hot & Sparkling
Chilled, Ambient & Sparkling



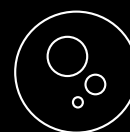
Chilled



Ambient



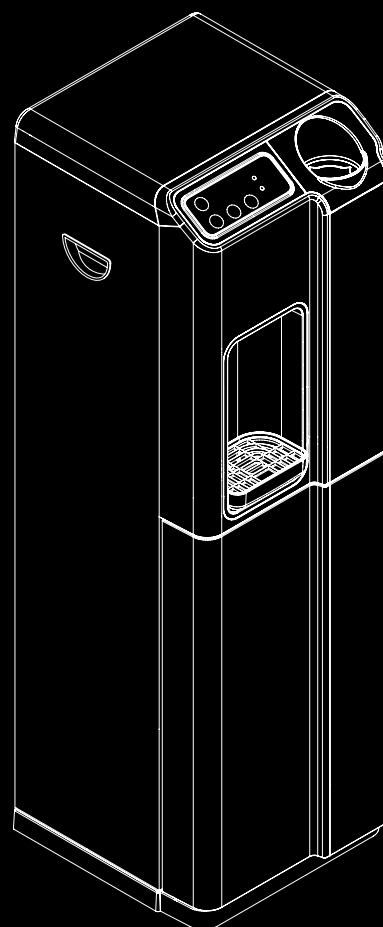
Hot



Sparkling

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Model Overview

Introduction

A range of compact water dispensers, available as a Reservoir (gravity fed) system and a Direct Chill system:

- Reservoir Chilled & Ambient
- Reservoir Chilled & Hot
- Direct Chill Chilled & Ambient
- Direct Chill Chilled & Hot
- Direct Chill Chilled, Ambient & Hot
- Direct Chill Chilled, Hot & Sparkling
- Direct Chill Chilled, Ambient & Sparkling

The b3 model is available as countertop and floor standing in three colours.

All Models

All models are self-contained machines with robust steel chassis and attractively injection moulded plastic front and top panels. For floorstanding models there is sufficient space internally for most filters. For countertop models any filters would need to be fitted externally.

An IEC Power Lead is supplied for connection to the IEC socket found on the rear of all models (An additional Schuko type is supplied for the European market).

Chilled

Water is fed into the insulated cold tank under mains pressure. We strongly recommend a Pressure Reducing Valve is fitted to all supplies to regulate the pressure to 3.5 bar/355 KPat. The cold tank is chilled via the evaporation coil of the capillary controlled refrigeration compression system. The cold temperature is thermostatically controlled via the adjustment screw on the cold thermostat. This is factory set and is not necessary to adjust in most cases (see Controls).

Ambient

Water bypasses the cold tank for the ambient dispense.

Sparkling

Water is chilled as it passes through the coil immediately before dispense or being pumped under pressure into the carbonator which it fitted inside the same coil. The carbonator is also level controlled and allows the sparkling effect to occur through saturation with CO₂.

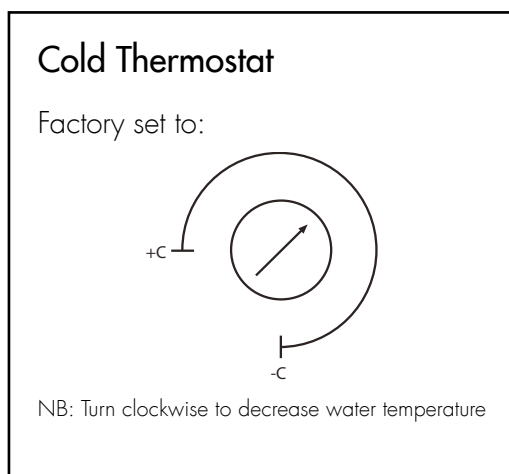
Hot

Hot water is provided by a hot water tank with an external heating element. Water is supplied directly into the tank under gravity fed pressure, and when full hot water is dispensed by displacement. On sparkling models - hot water is provided by a hot water tank with an integrated heater element. The water is supplied directly into the tank under the pressure as connected into the back of the unit. The water fills the tank and hot water is dispensed by displacement. The water flow is controlled by solenoid valves on all models.

Direct Chill

Borg & Overström Direct Chill utilises innovative technology to chill water instantly. We recommend this system for more demanding environments because of its optimum dispense performance and unrivalled hygienic qualities. Superior to the gravity fed Reservoir system, Direct Chill technology chills water on demand for the ultimate drinking experience.

Controls



Chilled

On/Off Switch: at rear of machine, switches cooling operation on/off.

Cold Thermostat: At rear of machine.

NOTE: on a Direct Chill model this is located inside.

Cold Button: Push to dispense chilled water.

Reservoir/Direct Chill models - Cold & Ambient only:

Top Green LED: Cooling operation is switched on.

Bottom Green LED: Colour shows compressor is in operation.

Ambient

Ambient Button: Push to dispense ambient water.

Sparkling

Sparkling switch: Switches sparkling operation on/off.

Sparkling Button: Press to dispense sparkling water.

Yellow LED (bottom RH): Colours to show the sparkling operation is switched on.

Hot

On/Off Switch: The hot water heating mode is controlled by a switch on the back of the unit, next to the cooling mode switch. This switch is labelled "Hot".

Hot Thermostat: regulated by a pre-set, non-adjustable sensor on the tank.

Hot Button: press to dispense hot water.

Lock Button: toggles on and off the dispense of hot water.

Red LED (on hot water icon): Colours to show heating mode is enabled.

Reservoir/Direct Chill Models - Cold & Hot only:

Top Red LED: Hot operation is switched on.

Top Green LED: Cooling operation is switched on.

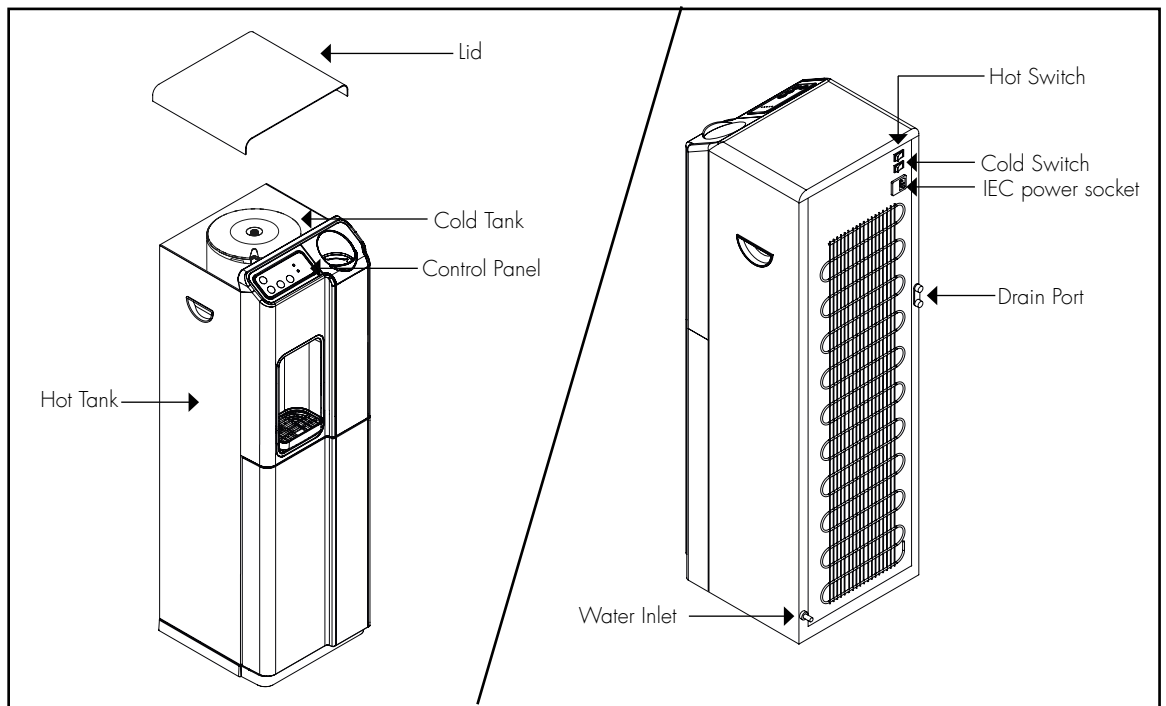
Bottom Red LED: Heater element active according to thermostatic demand.

Bottom Green LED: Colours to show cooling down operation is active.

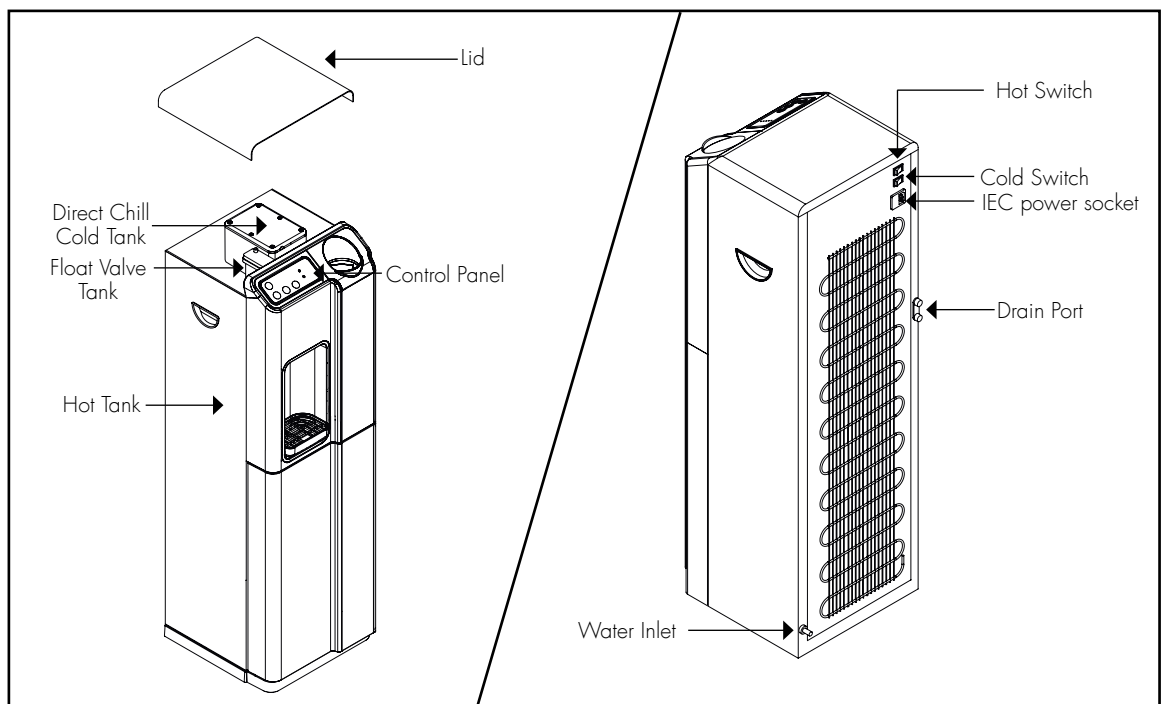
10A Fuse: On rear of machine, integral with IEC socket.

Components

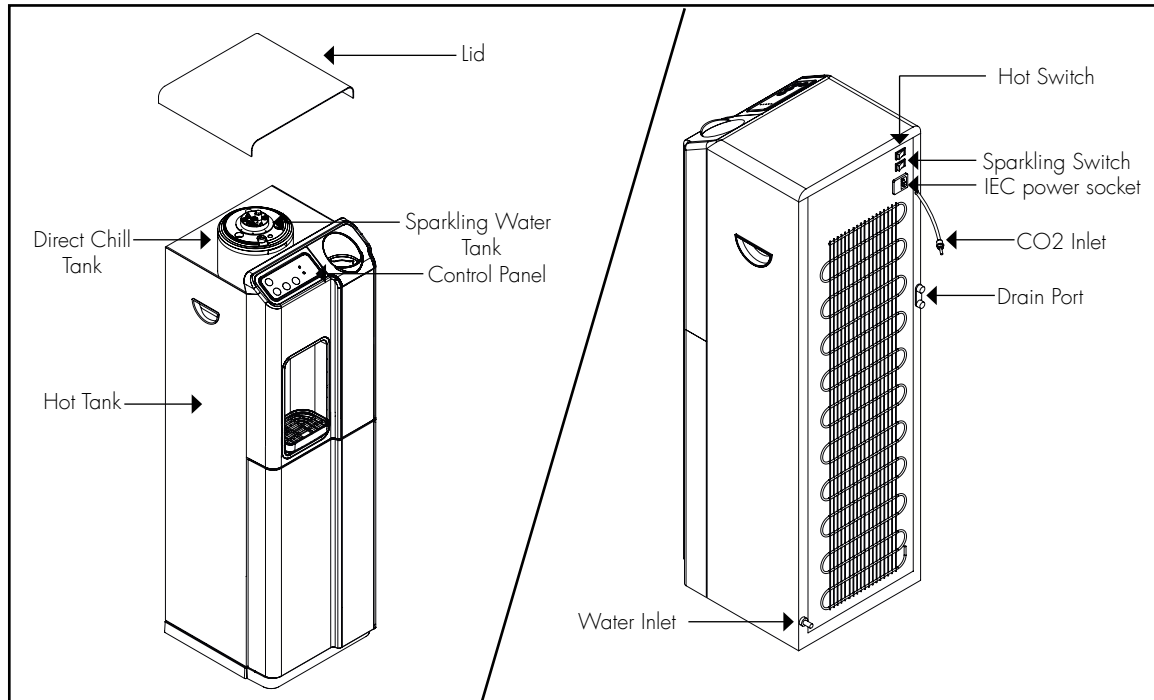
Major Components & Water Connection - Reservoir variant



Major Components & Water Connection - Direct Chill variant

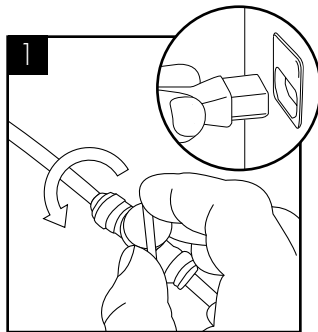


Major Components & Water Connection - Direct Chill & Sparkling variants

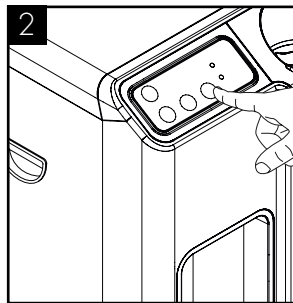


Operation

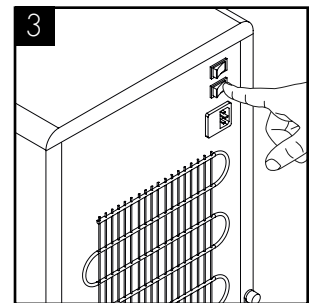
Water Connection & Operation



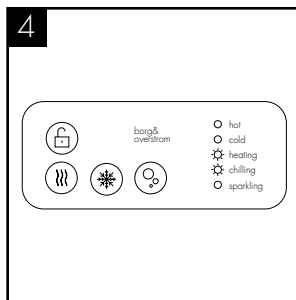
1
On reservoir models remove the Carbon bag from the cold tank. Connect and turn on the water supply. Then connect the power supply.



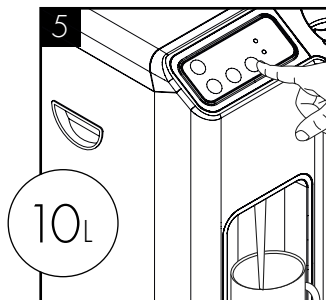
2
Dispense from all options (to confirm water supply).



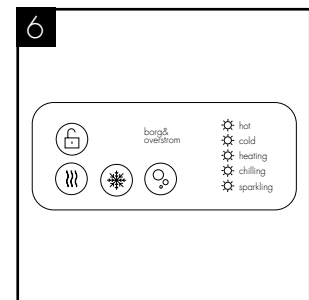
3
Turn on the cold switch (located at the rear on the unit) to begin the chilling process.
Turn on the hot switch (also located at the rear on the unit) to activate the heating element.



4
The relevant indicator lights will be lit.

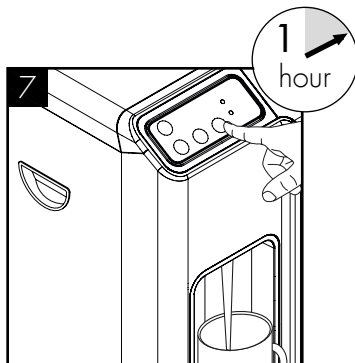


5
Flush through 10 litres of water before use.

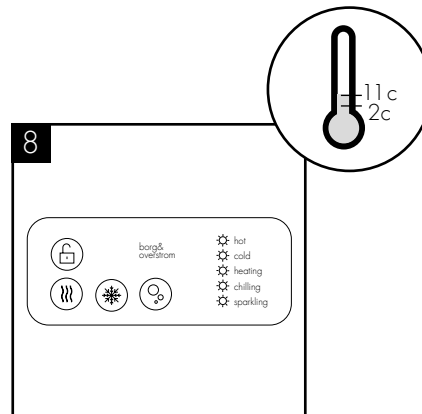


6
Chilled Dispense:
When the top Green LED is on the cooling circuit is activated.
When the bottom Green LED is on the compressor is operating.
Hot Dispense:
When the top Red LED is on heating circuit is activated.
When the bottom Red LED is on the heating element is activated.
Sparkling Dispense:
When the Yellow LED is on the carbonation circuit is activated.

Water Connection & Operation (Continued)

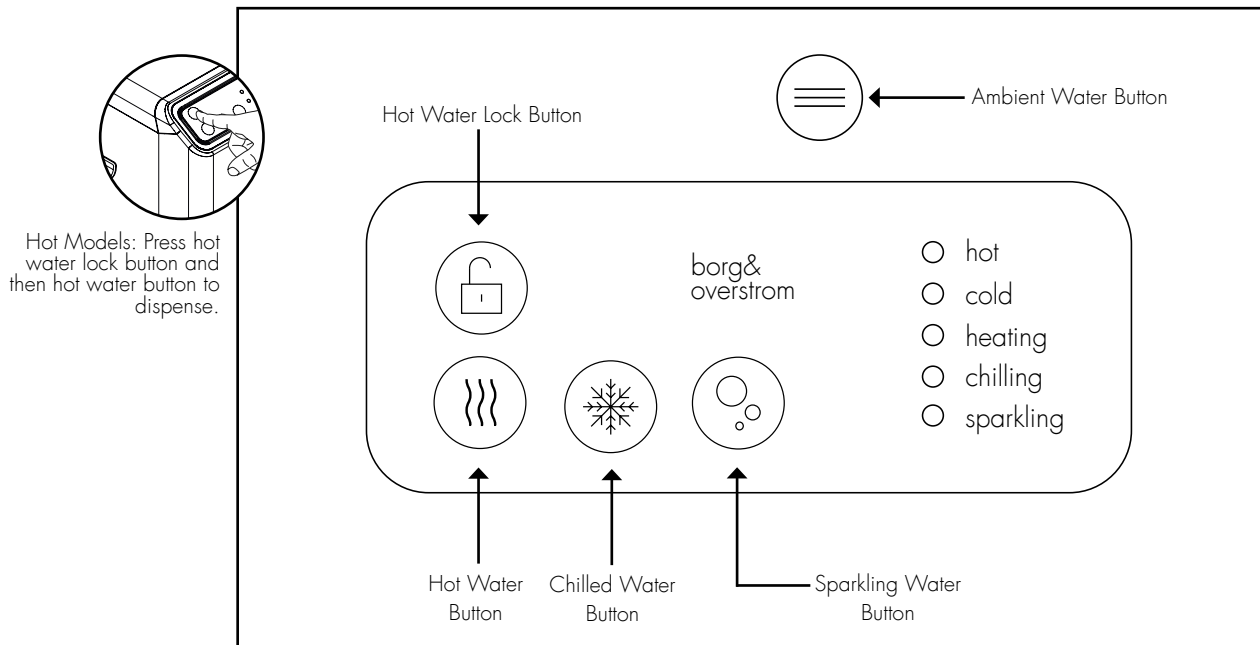


Allow up to 1 hour for the water to reach its minimum temperature.

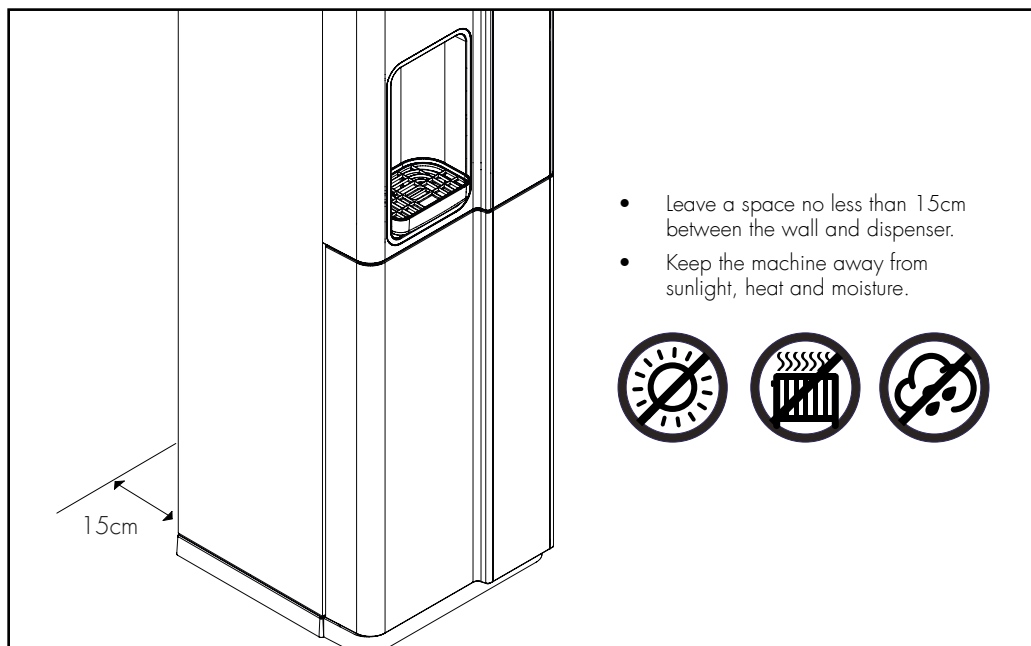


The temperature of the chilled water can be set from 4c to 10c. When the chilling LED is off the set temperature has been reached. This can take up to one hour.

Functions & Controls



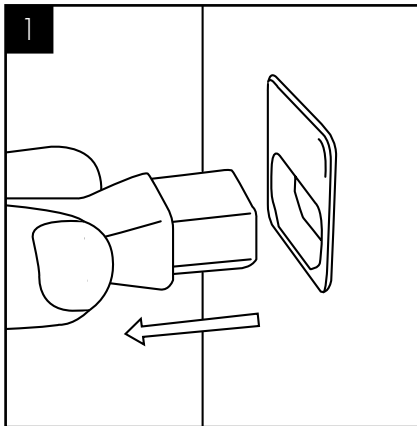
General Safety



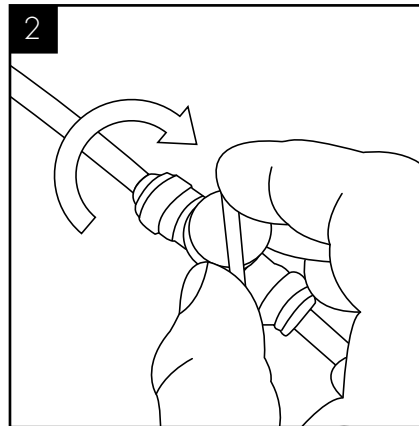
Maintenance

NOTE: All maintenance operations must be carried out with the dispenser switched off.

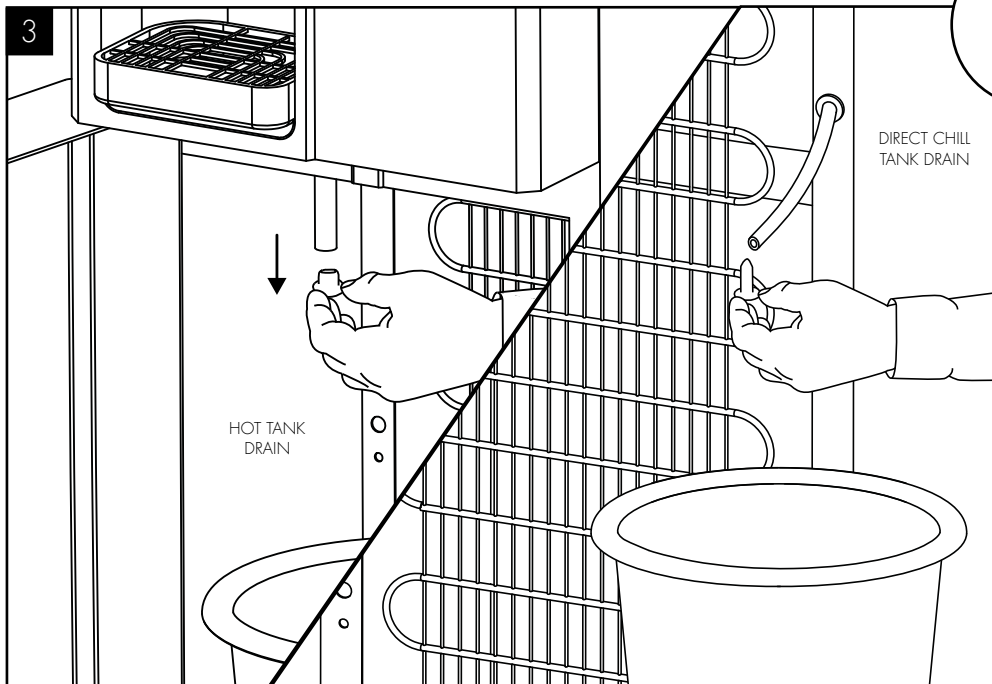
Isolation & Removal



Please make sure the machine is completely disconnected from electricity before carrying out any maintenance work.



Turn off the water supply.



To drain cold and ambient units, simply push each dispense button until no water dispense. For cold and hot dispensers push the cold dispense until no water dispenses and then remove the drain bung to empty the hot water tank.

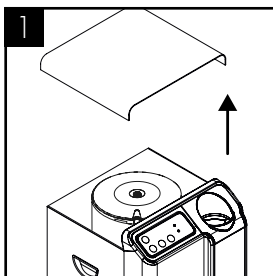


Caution: hot water may spill from the hot tank during this operation.

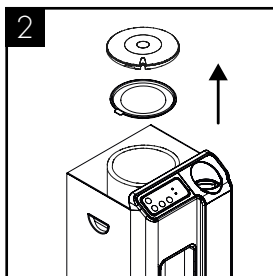
Sanitisation Guide

NOTE: Before beginning the sanitation process please ensure that water is turned off at the mains and refer to the MSDS document for further information. Use bioguard hand gel and ensure gloves are worn.

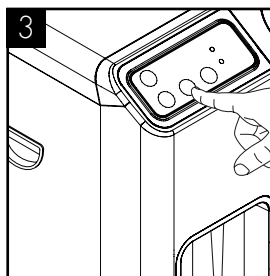
For reservoir variants always ensure that the hot water outlet is plugged before beginning this procedure (use gloves). Never push the hot water button during the sanitisation procedure.



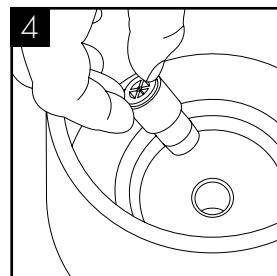
Remove the top panel by undoing 2x screws at the rear of the dispenser.



Remove the polystyrene lid. Gently lift the plastic lid from the tank, taking care not to disconnect the plumbing.



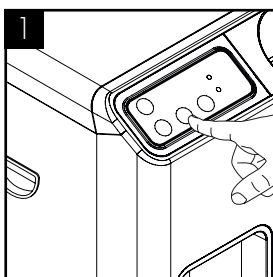
Dispense chilled water until the baffle plate is accessible.



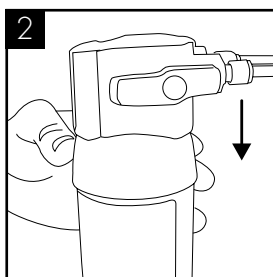
Insert the Hot tank sanitisation plug into the centre of the hot tank, press down firmly. Refit the plastic lid to the tank.

Follow steps 1-12 below.

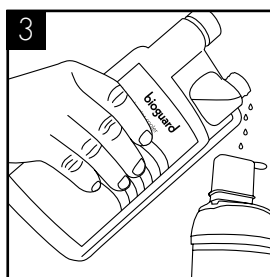
Once the sanitisation procedure is complete repeat step 3 and reverse step 4 above, then remove the Hot tank sanitisation plug and replace the plastic lid firmly on the tank, then replace the polystyrene lid and top panel. Ensuring the screws are done up before leaving.



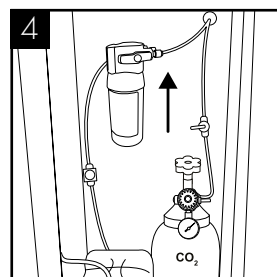
Briefly press chilled/ambient dispense buttons to release internal water pressure from the machine.



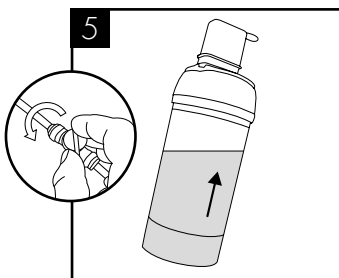
Remove the existing filter.



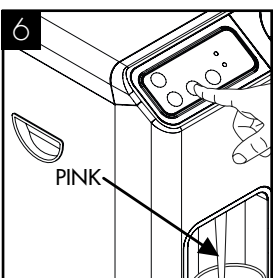
Add 25 ml of Bioguard Internal Sanitisation fluid to a clean and empty service filter cartridge.



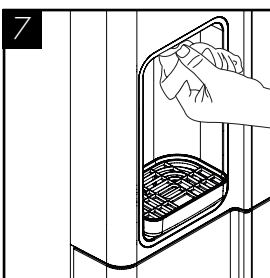
Connect to machine.



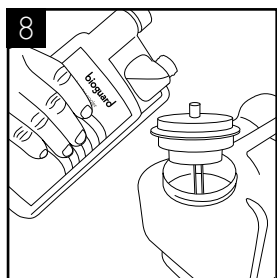
Turn on incoming water, allow service cartridge/doser to fill.



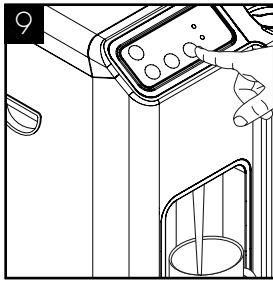
Dispense water using the chilled button until the water appears pink. Briefly press the ambient button too.



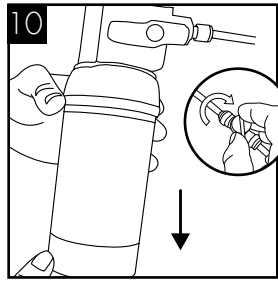
Leave the solution inside machine for sanitisation (minimum 5 minutes) while thoroughly cleaning the machine externally, pay particular attention to the dispense faucet and buttons.



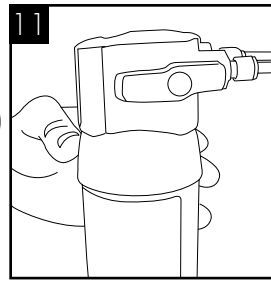
Remember to include the drip tray. If a Waste Overflow System is fitted, empty this and flush through with a small amount of sanitisation fluid if needed.



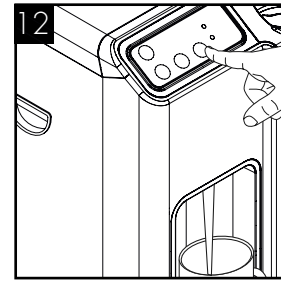
When the external cleaning (minimum 5 minutes) is completed, flush the machine using the chilled button with clean water until the dispense water runs clear. Repeat briefly with the ambient button.



Turn off water and remove the service filter. Retain service filter for reuse.



Fit new filter. Turn on incoming water supply.



Pre-flush the new filter to waste using the ambient button until the water appears clear and is free of air. Flush through a small amount of water to check all functions.



Please note that this sanitisation fluid contains an active caustic/alkaline agent. Always use responsibly and with care remembering that due to its alkaline nature unnecessary concentrated/prolonged contact with any materials, including metals, can cause damage. Always rinse all contact surfaces after use with clean water.



Avoid skin contact and wear protective gloves when handling sanitisation fluids



In the event of any skin contact, flush immediately with clean, cold water

Advanced Troubleshooting

Fault Diagnosis: No Water Dispenses

Problem/Report	Possible Cause	Suggested Action
From Ambient Dispense	Water Supply turned off (and tank empty).	Check all that taps/valves/ filters on the incoming supply are fitted and are turned on.
	"Waterblock" tripped off (and tank empty).	Reset "Waterblock" (and check for any leaks).
	"Leak detector" (if fitted) tripped off (and tank empty).	Disconnect the power and water supply, reset the machine (check for leaks).
	Solenoid not working (and tank full).	Dismantle and check the solenoid, completely replacing the solenoid as necessary.
	Reservoir Float Valve jammed (and tank empty).	Replace/adjust position/repair as needed.
	Blocked tank outlets/pipes.	Check and unblock or replace as needed.
From Cold Dispense	Firstly all as for Ambient Dispense.	Carry out checks and actions as for ambient dispense.
	Chiller tank frozen – Thermostat set too low.	Thaw out the machine and increase cold water temprature.
	Chiller tank Frozen - Thermostat not working.	Thaw out the machine and check thermostat. Replace Cold Water thermostat as needed.
	Chiller tank frozen.	Circulation Pump not working / Thaw out the machine and check circulation pump. Replace Circulation pump as needed. Faulty PCB / Replace PCB.
From Hot Dispense	Firstly all as for Ambient Dispense.	Carry out checks and actions as for ambient dispense.
	Airlock in dispense pipe work.	Unblock/replace hot water pipe and hot vent pipe. (Check water level showing in hot vent pipe).
	Tank filled with limescale.	Replace tank.

Fault Diagnosis: Water Dispenses but not Correct Temperature

Problem/Report	Possible Cause	Suggested Action
Ambient Water too Warm	Low usage and/or heat from compressor influencing stored water.	Check tank insulation and/or advise customer.
	High usage and/or water supply pipe in warm ducting.	Advise customer.
Cold Water not Cold	Cooling switched off.	Check switch positions as necessary.
	Compressor runs and switching off (cool/warm to touch) - Thermostat set too high.	Decrease cold thermostat set point.
	Thermostat not working.	Check/replace thermostat.
	Compressor runs but not switching off (hot to touch).	Please contact technical support.
	Refrigeration problem.	Please contact technical support.
	Compressor not running at all - No electricity power supply.	Check the Power cord is connected and live, and the machine is switched on.
	Compressor only hums slightly/briefly.	Check and replace relays.
	Relays loose.	Check and refit relays.
	Compressor not working.	Please contact technical support.
	Cold tank Baffle Plate not connected.	Refit Baffle Plate.
Hot Water not Hot	Hot water mode switched off.	Switch on hot water mode (status LED should show).
	Heating operation tripped off.	Reset overheat button on hot tank.
	Break in supply wiring to control circuit.	Locate break and repair.
	Hot water demand too high.	Advise user/s.
	Main reheat element not working (Red LED on all the time).	Check supply voltage and current to hot thermostat and replace accordingly.
	Hot tank heavily scaled (signs of scale in top of tank, loud boiling noises etc).	Carry out thorough descale or replace hot tank.
	Break in supply wiring to main element.	Locate break and repair.

Fault Diagnosis: Water Leaks

Problem/Report	Possible Cause	Suggested Action
Water lying on top edge of lower door panel and/or bottom of the machine.	Overflowing Drip Tray waste container.	Empty Waste Container and check drainpipe is not blocked.
Water lying in bottom of machine.	Leak in supply inlet pipe work and/or filter.	Locate and repair accordingly.
	Leak from machine water pipes and/or fittings.	Locate and repair accordingly.
		Check pressure and fit pressure reducing valve if needed.
	Overflowing cold tank.	Reservoir Variant: float valve not connected or malfunctioning - replace if necessary. Direct Chill Variant: float valve or internal cold tank water fittings not connected or malfunctioning - replace if necessary.
	Water pressure too high.	Check pressure and fit pressure reducing valve if needed.
	Jammed float valve.	Check and repair float valve.
	Split Float Valve washer.	Replace washer.
	Overflowing cold tank (Hot Tank exclusively sealed).	Replace hot tank.
	Hot Tank thermistor probe not working.	Check and replace probe (Conversion Kit recommended).
	Control Board not working.	Check and replace main control board (Conversion Kit recommended).
	Condensation from tank or cold water pipe.	Check insulation and repair/replace accordingly.

Fault Diagnosis: Miscellaneous

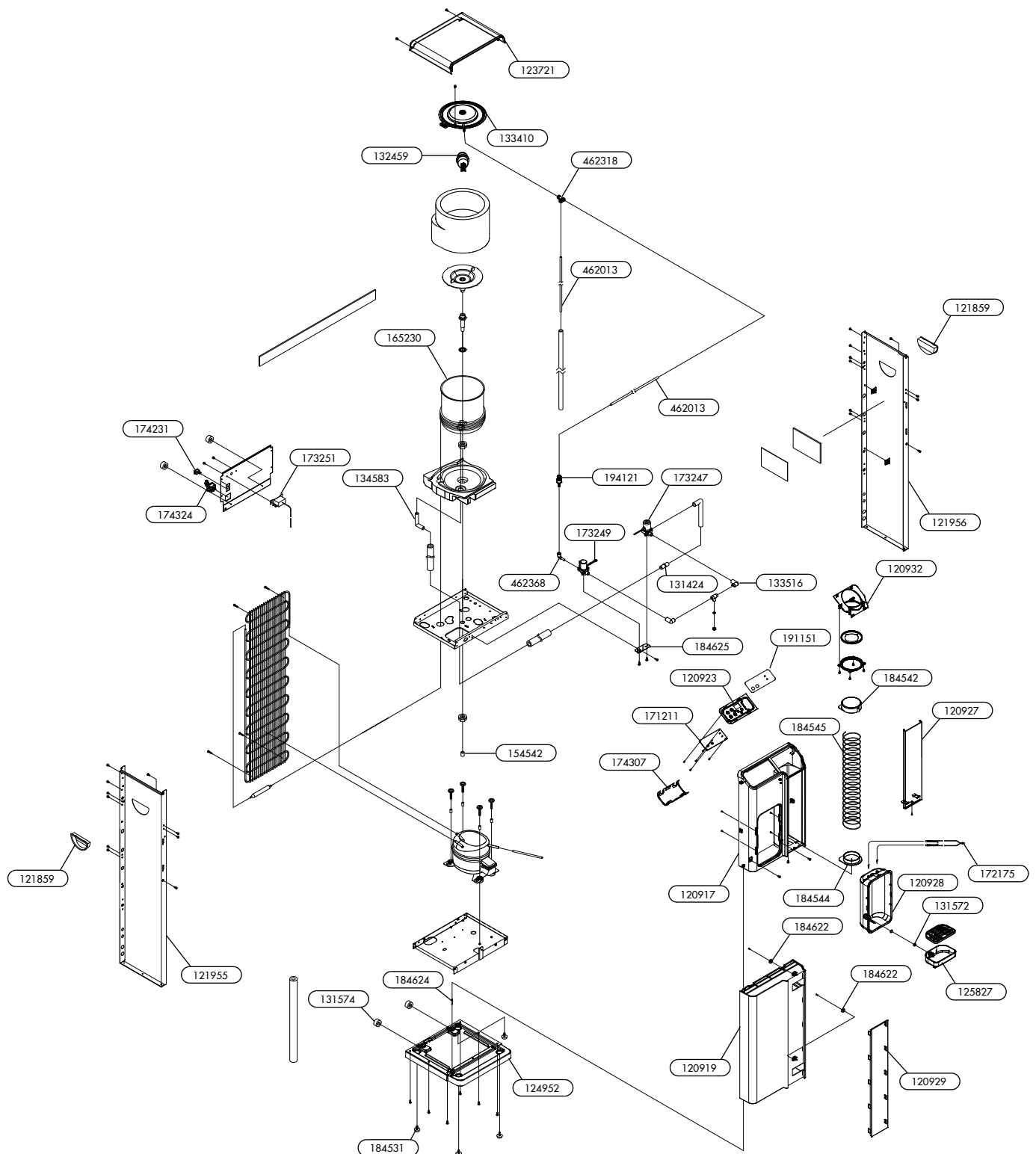
Problem/Report	Possible Cause	Suggested Action
Bleeping Noise	Level sensor fitted and tank full.	Empty Level Sensor Tank.
No LED Control Lights	No electricity to Machine.	Check power supply and reconnect as necessary (Also check out other symptoms as described separately).
	Control PCB not working (Machine working normally otherwise).	Check/replace PCB.
Machine Shakes on Start-up	Compressor Starting.	No action needed. This is quite normal.
	Level Surface.	
	Uneven Surface.	Level up machine using adjustable feet.
	Missing Fixings.	Replace missing fixings.
Tripping out Electricity Supply	Machine in high humidity environment.	Discuss possible repositioning with customer.
	Electrical circuitry faults.	Test, identify and address accordingly. See Electrical Diagrams.
		Please contact technical support

Fault Diagnosis: Sparkling Model

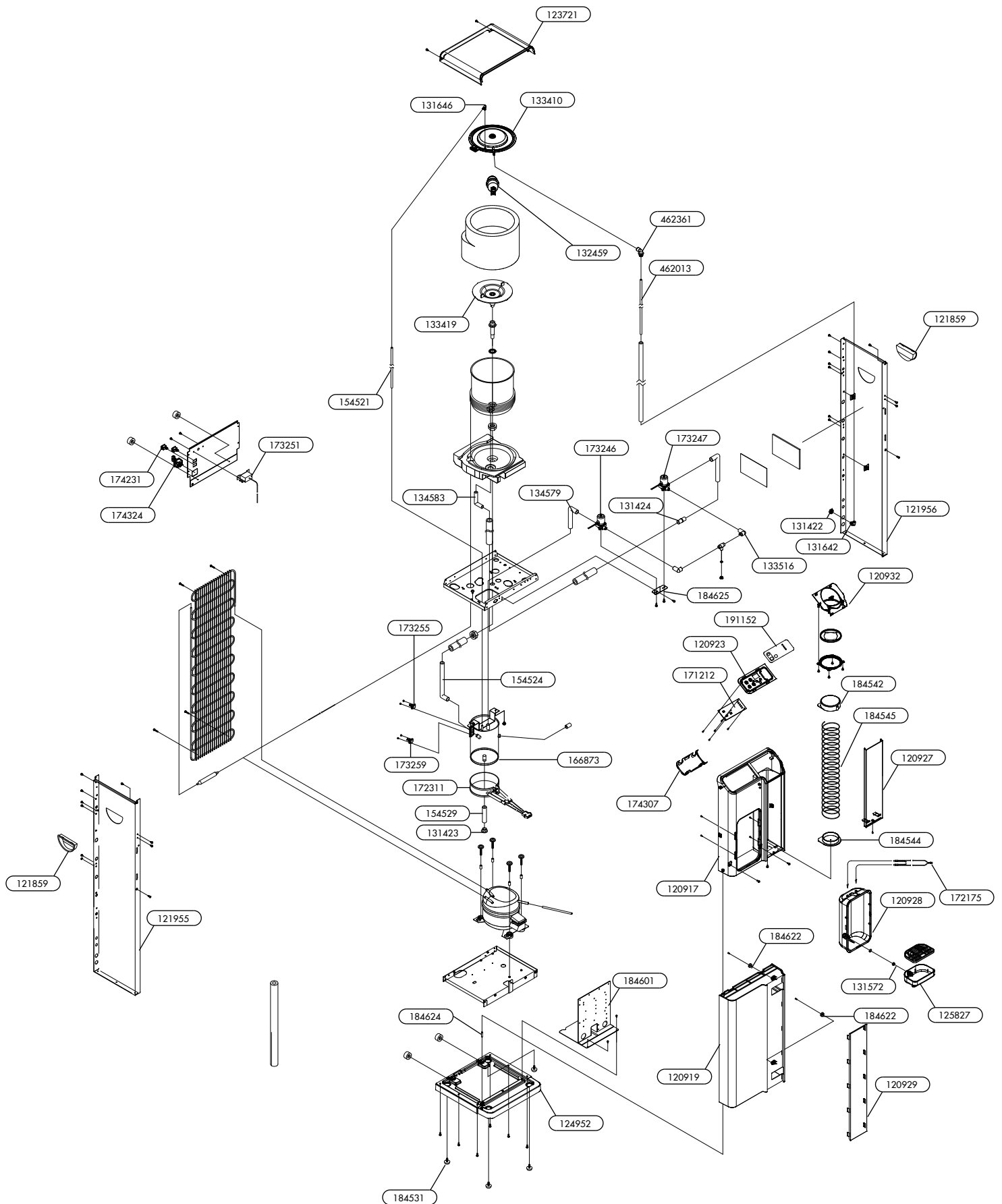
Problem/Report	Possible Cause	Suggested Action
Slow but Continuous Water Dispense from Ambient or Cold Tap	Low incoming water pressure	Consider replumbing to alternative supply if possible
		Fit Booster pump set.
Intermittent Water Dispense from Ambient or Cold Water Valve	Trapped air in pipework (especially where water pressure is low after filter change).	Hold button on to purge air out (This could take several minutes where pressure is low).
		Pre-flush filters
	Button not being pressed enough	Press button firmly. Could be caused by surrounding cold environment making the button stiffer.
	Faulty PCB	Replace PCB
Intermittent Water Dispense from Ambient or Cold Water Valve and hammering noise.	Fluctuating mains water pressure situation.	Please contact technical support.
Continuous Water Dispense from Ambient/Cold or Hot water valve.	Button jammed on/faulty.	Replace PCB or/button panel as needed.
	Debris blocking hole in diaphragm window.	Dismantle valve and clean out.

Exploded Diagrams & Parts List

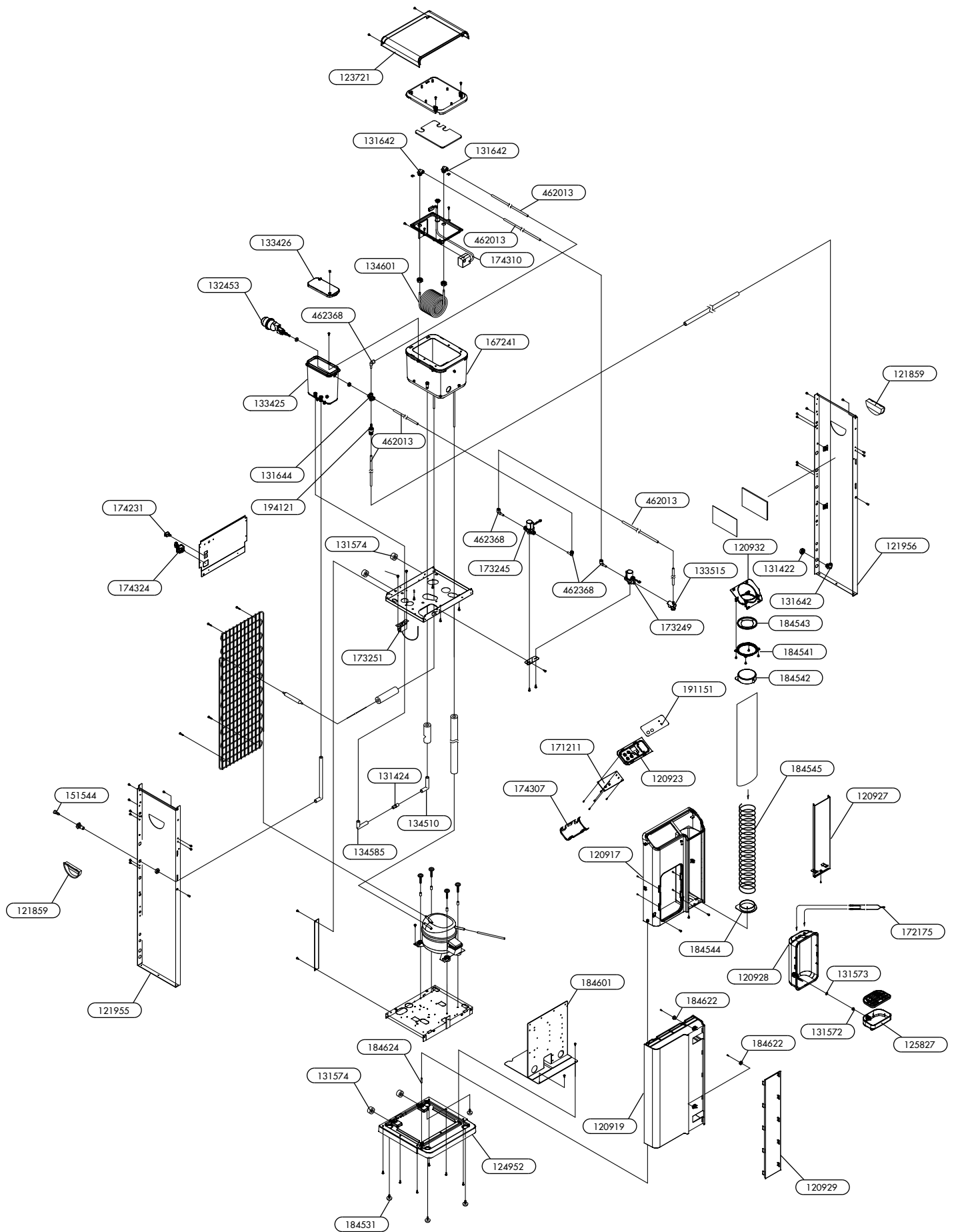
Chilled & Ambient - Reservoir variant



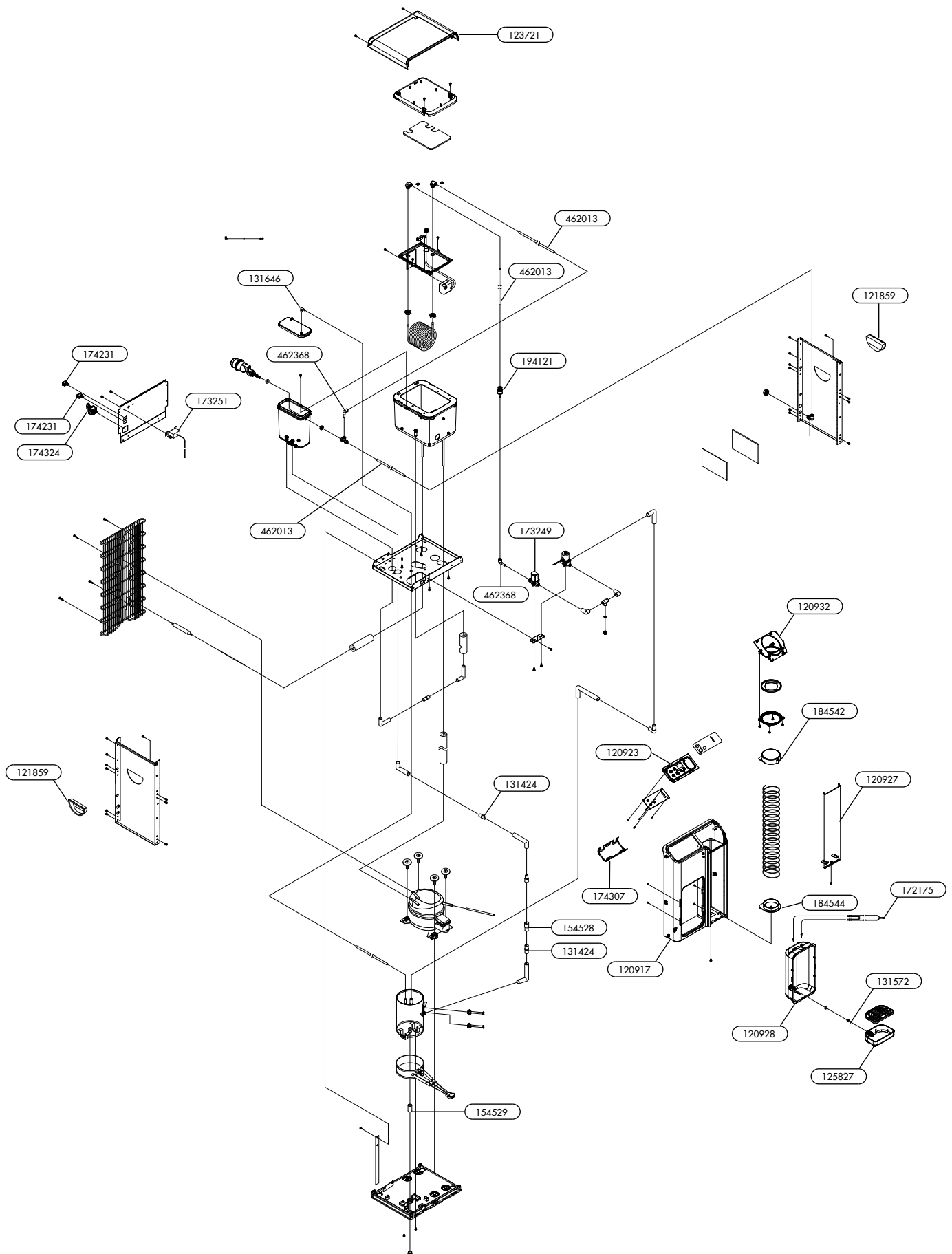
Chilled & Hot - Reservoir variant



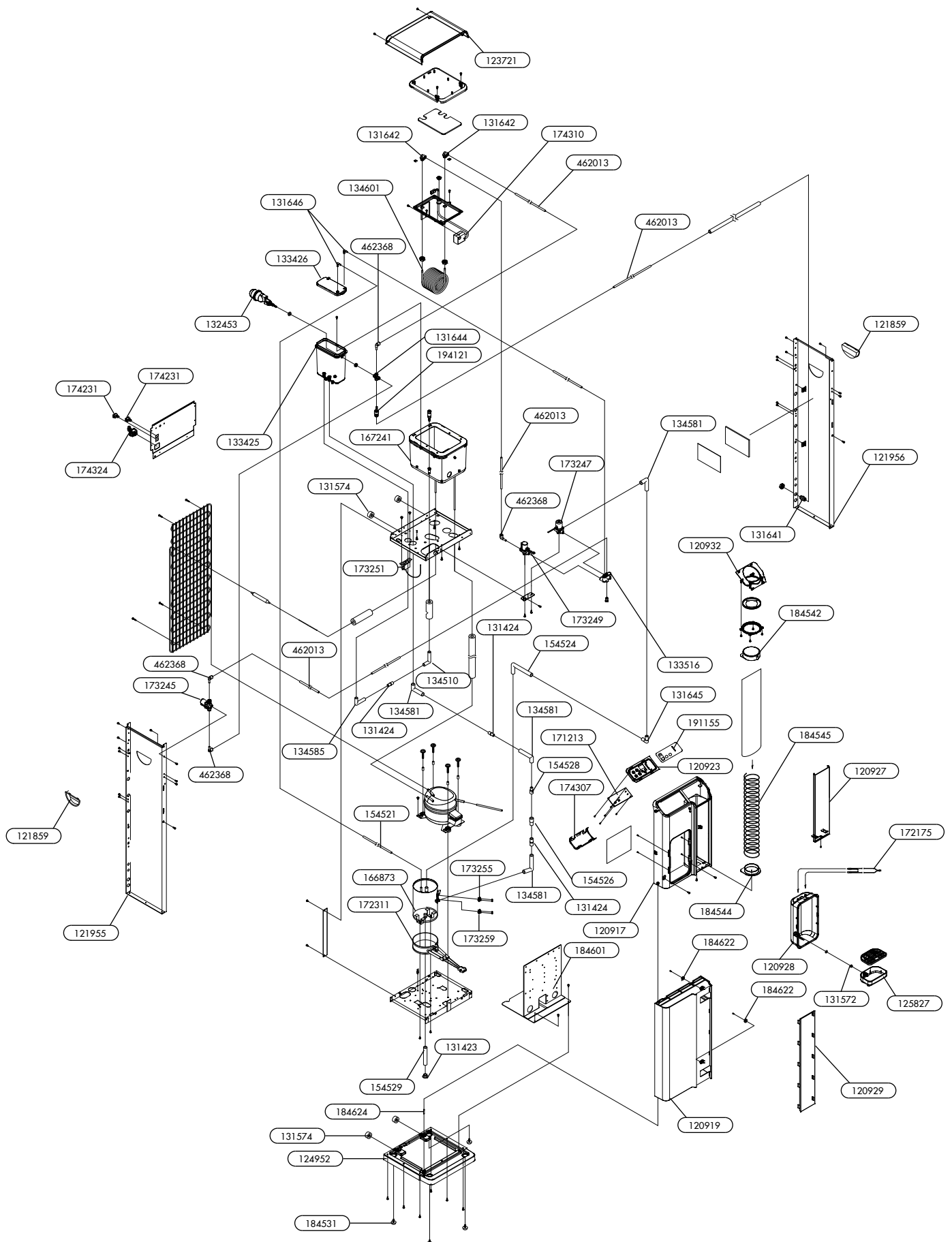
Chilled & Ambient - Direct Chill variant



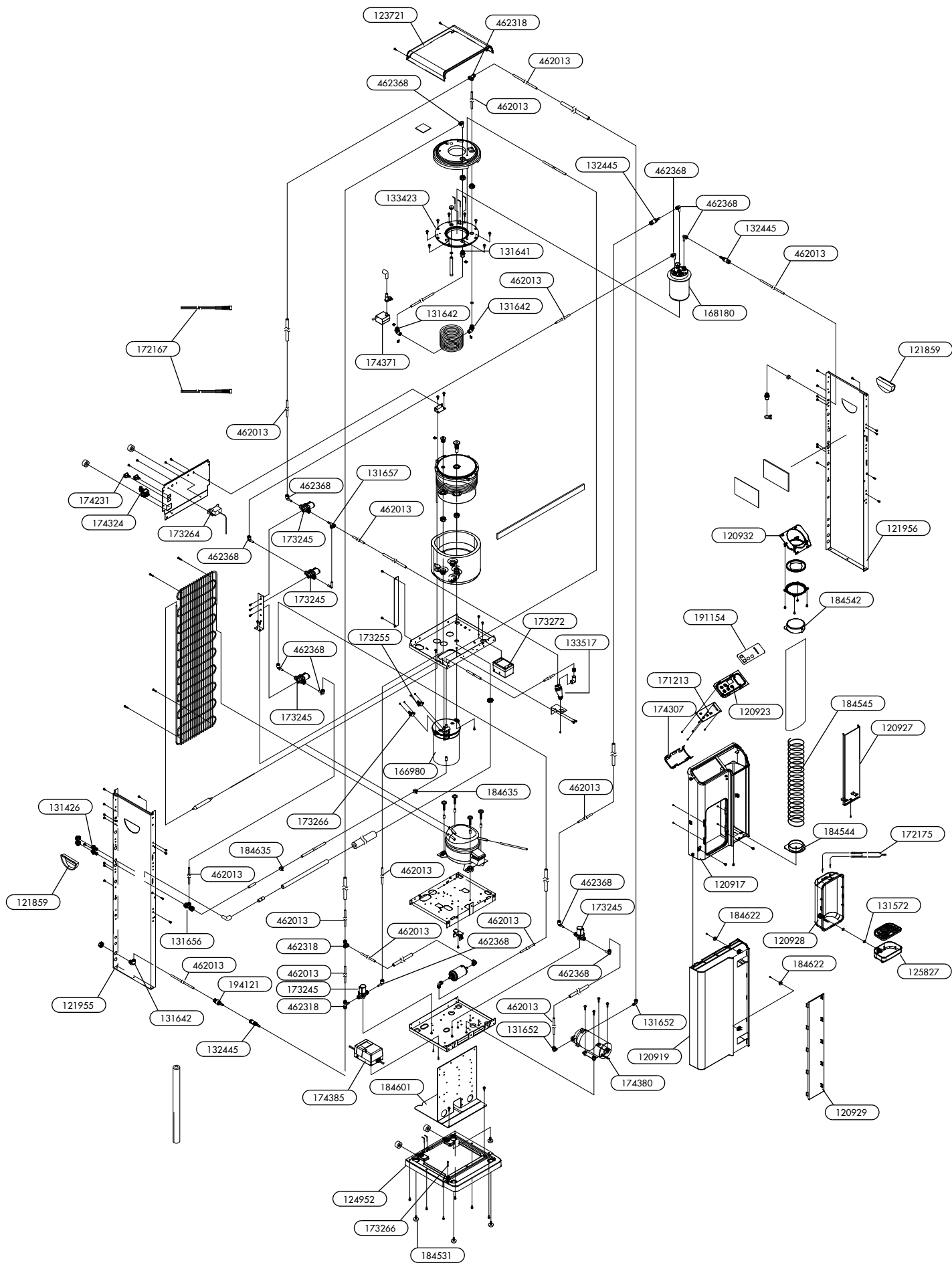
Chilled & Hot - Direct Chill variant



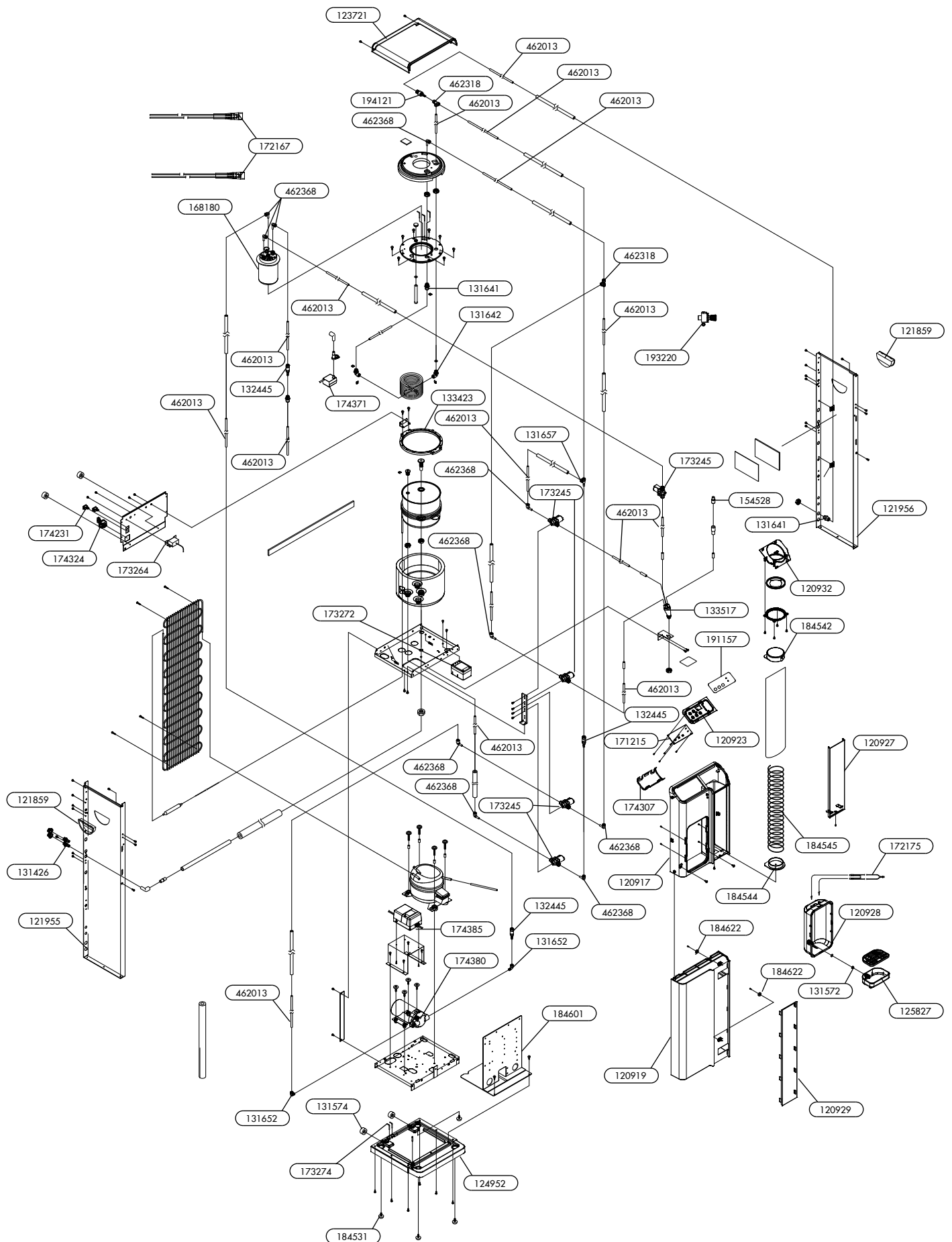
Chilled, Ambient & Hot - Direct Chill variant



Chilled, Hot & Sparkling - Direct Chill variant



Chilled, Ambient & Sparkling - Direct Chill variant



Parts List

Borg & Overstrom Part No	Description
120917	b3 Front Panel- Silver
120919	b3 Door Panel- Silver
120923	b3 Control Button Panel
120927	b3 Front Infill Panel- Dark Graphite
120928	b3 Dispense Surround Panel
120929	b3 Door Infill Panel - Dark Graphite
120932	b3 Cup Surround Panel
121859	b2/b3 Side Handle
121955	b2/b3 Floorstanding Left Side Panel
121956	b2/b3 Floorstanding Right Side Panel
123721	b3 Top Cover Panel- Graphite
124952	b3 Floorstanding Base Panel
125827	b3 Drip Tray Set - Graphite
131422	1/4" Inlet Connector Back Nut
131423	b2 Countertop Drain Bung
131424	DC Tank Pipe Connector
131426	2-Port Drainage Outlet
131572	Drip Tray Bung
131573	Drip Tray O-Ring
131574	Condenser Panel Spacer
131641	1/4" PF Inlet Straight Bulkhead Connector
131642	1/4" PF Inlet Elbow Bulkhead Connector
131644	1/4" Push-Fit 4 way Joint
131645	90 degree elbow fitting
131646	Air Vent Elbow for Clip-on Tank Lid
131652	1/4" X 3/8" Male Thread Elbow
131656	3/8" PF x 1/4" PF Branch Tee
131657	1/4" PF Spigot End Tee
132445	Single Check Valve 1/4" PF inlet (new type)
132453	Float Valve connector (For Side Type-Push Fit)
132456	Reservoir Float Valve (Side Type) - Assembly
132459	Reservoir Float Valve (Lid type) - Assembly
133410	Clip on Tank Lid
133419	Reservoir Baffle Plate
133423	Cold Tank Lid - Outer
133425	b3 Floorstanding Direct Chill Header Tank
133426	b3 Floorstanding Direct Chill Header Tank Lid
133511	b3 DCHS Improved Dispense Faucet
133515	b3 Direct Chill Faucet Straight type Chilled & Ambient
133516	b3 Faucet 2-Port with Vent (Black - New Style)
133517	Faucet 4no. Outlets (w/o middle vent)
134510	L-shaped - DC Tank pipe assembly
134579	b3 Direct Chill Hot Dispense Pipe (Large)
134581	DC Tank Pipe
134583	Cold Water Pipe
134585	B3 Floorstanding L-shaped - Cold Water Pipe

Parts List - Continued

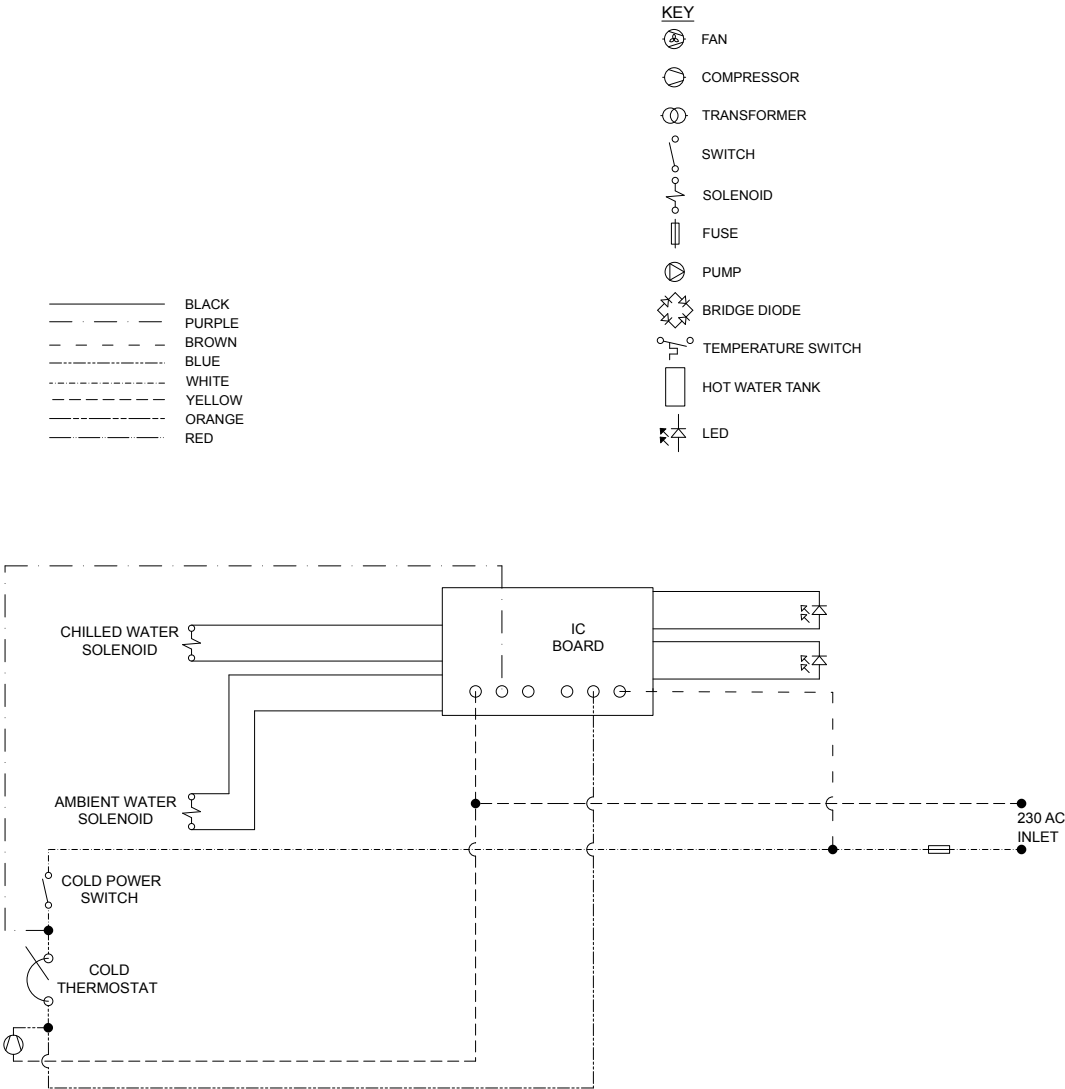
Borg & Overstrom Part No	Description
134601	DC Coil for b2/b3 Twin Tank Models
151544	b2/b3 Floorstanding Drain Bung
154521	Hot Vent Pipe 300mm
154524	Hot Tank Feed Pipe
154526	Coupling Pipe
154528	Non-return Valve
154529	b2 Countertop Hot Tank Drain Pipe 1.0 l/m
154542	Hot Tank Bung
165230	Cold Reservoir Set
166873	b2/b3 Hot Tank (New Type)
166980	b3/b4 Pressurized Hot Tank Set c/w 92/105C Sensors
167241	b3 Direct Chill Cold Tank Set
168180	Carbonator Tank
171211	b3 CA/CS Main Control Board
171212	b3 CH Main Control Board
171213	b3 CAH/CHS Main Control Board
171215	b3 CAS Main Control Board SSR
172167	DC Voltage Rectifier Wiring Assembly
172175	Blue LED Lighting Assembly (b3)
172311	Heater Element - 220V
173245	HP1/4PFx1/4PFS230 Solenoid Valve
173246	LP1/4PFx1/2STS230 Solenoid Valve
173247	LP1/4PFx1/2STA230 Solenoid Valve
173249	HP1/4PFx1/2STS230 Solenoid Valve
173251	b2/b3 Cold Thermostat
173255	105c Hot Tank Over-heat cut out
173259	90C Temperature Sensors
173264	Cold Thermostat for all Circular DC Tanks
173266	92C Hot Tank Thermostat Sensor
173272	b3/b4 Level Control Module
173274	Leak Detector Probe
174231	Electric Rocker Switch
174307	b3 ICB Cover
174310	Direct chill Pump
174324	b5 IEC Inlet Fused
174371	DC Tank Circulation Pump
174380	48vdc Carbonation Pump with bracket (b3,b4 &b5)
174385	Pump Power Pack
184531	b2/b3 Floorstanding Adjustable Foot
184541	b3 Cup Retaining Ring Plate
184542	b3/b4 Spring Cover for Cup Dispenser
184543	b3/b4 Cup Retaining Ring
184544	b3/b4 Spring Base Plate
184545	b3/b4 Cup Dispenser Spring
184601	b2/b3 Floorstanding Filter Bracket
184622	Magnetic Door Catch inc. screw

Parts List - Continued

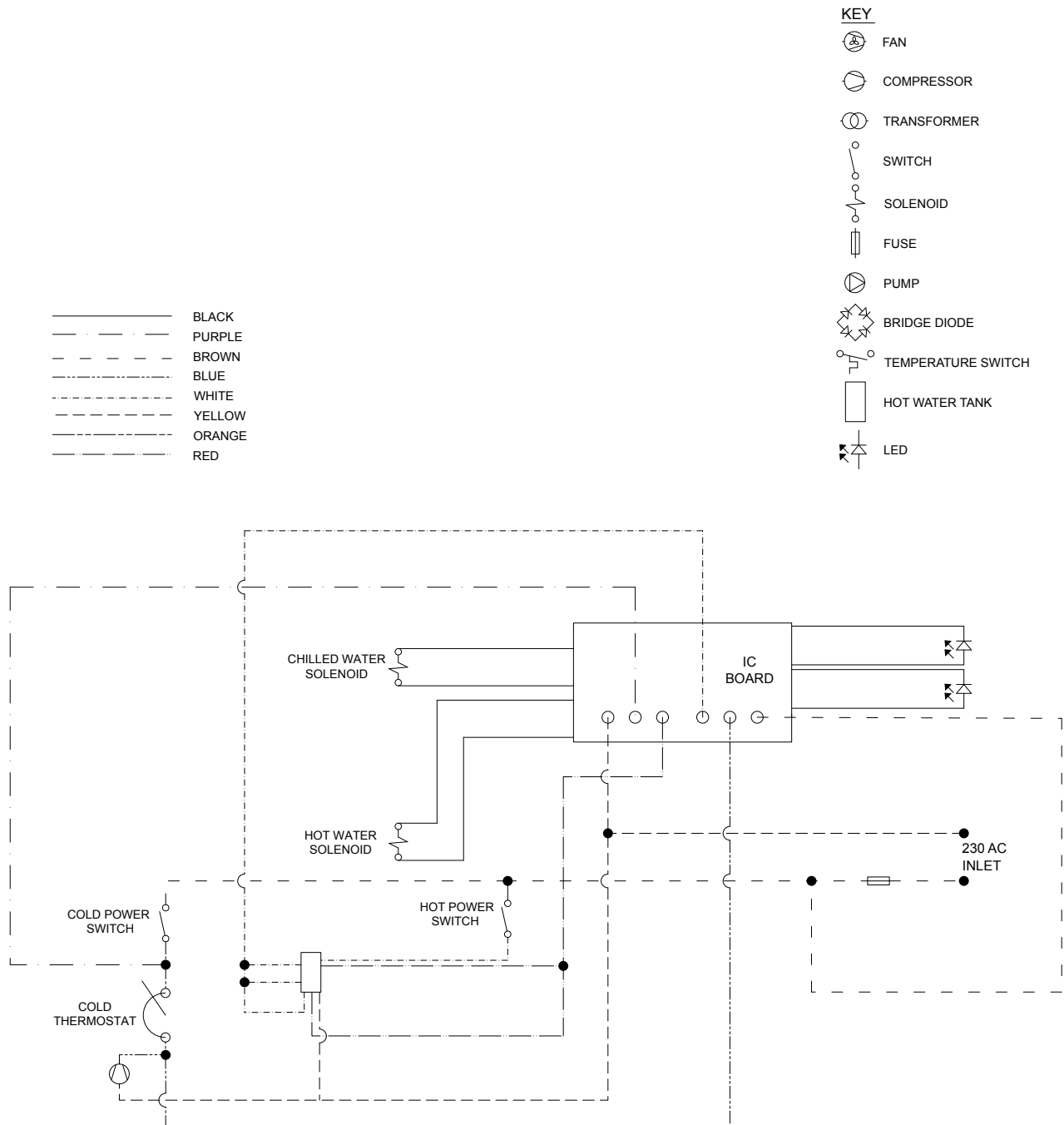
Borg & Overstrom Part No	Description
184624	Door Panel Hinge Pin
184625	Solenoid Valve Bracket
184635	Metal Clamp tubing for hot tank
191151	b3 Chilled & Ambient Label
191152	b3 Chilled & Hot Label
191154	b3 Chilled, Hot & Sparkling Label
191155	b3 Chilled, Hot & Ambient Label
191157	b3 Chilled, Ambient & Sparkling Label
193220	CO2 Regulator with gauge c/w elbow
194121	Grit Filter
462013	1/4" White Tubing per mtr
462318	Equal Tee 1/4" PF
462361	Equal Elbow 1/4" PF
462368	Stem Elbow 1/4" x 1/4" PF

Technical Information

Chilled & Ambient Electrical Circuit Diagram - Reservoir Variant














Chilled & Hot Electrical Circuit Diagram - Reservoir Variant

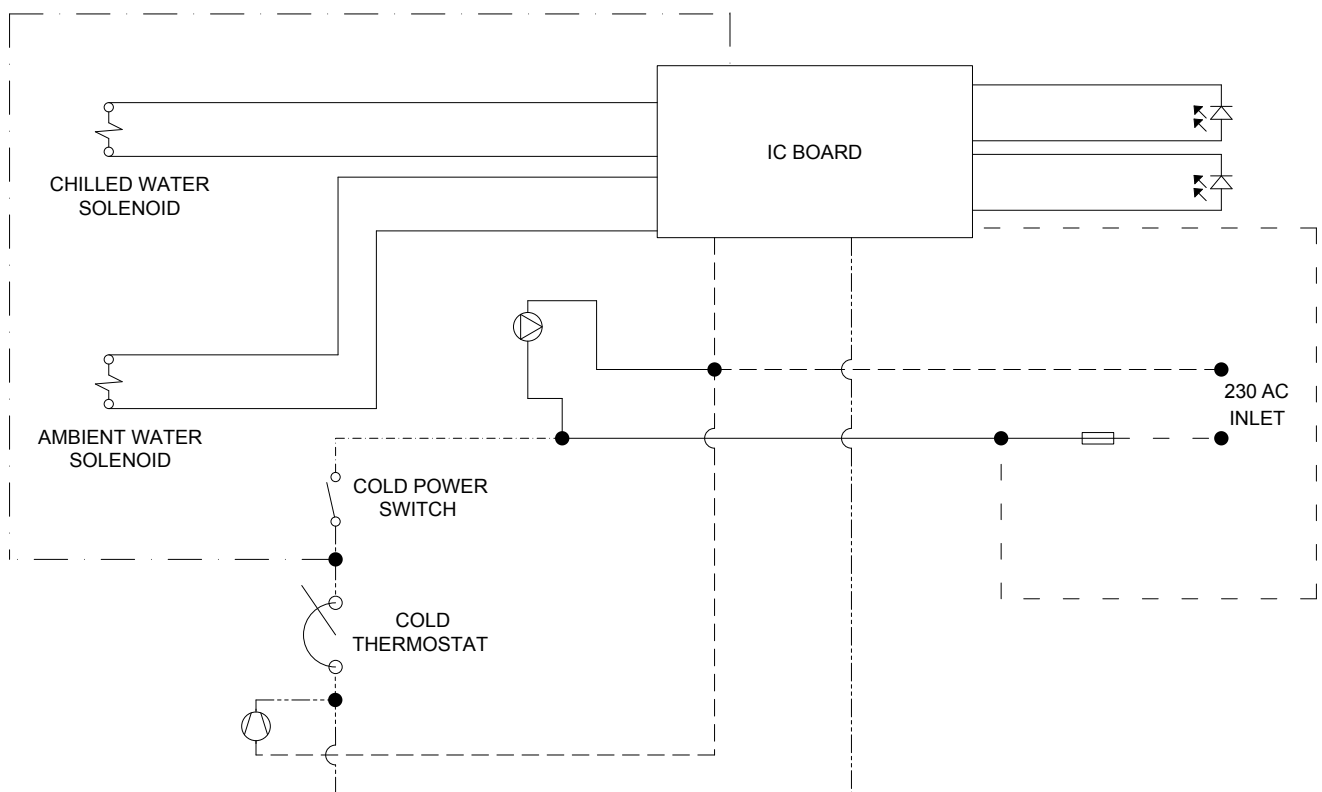


Chilled & Ambient Electrical Circuit Diagram - Direct Chill Variant

—————	BLACK
- - - - -	PURPLE
- - - - -	BROWN
- - - - -	BLUE
- - - - -	WHITE
- - - - -	YELLOW
- - - - -	ORANGE
- - - - -	RED

KEY












	FAN
	COMPRESSOR
	TRANSFORMER
	SWITCH
	SOLENOID
	FUSE
	PUMP
	BRIDGE DIODE
	TEMPERATURE SWITCH
	HOT WATER TANK
	LED

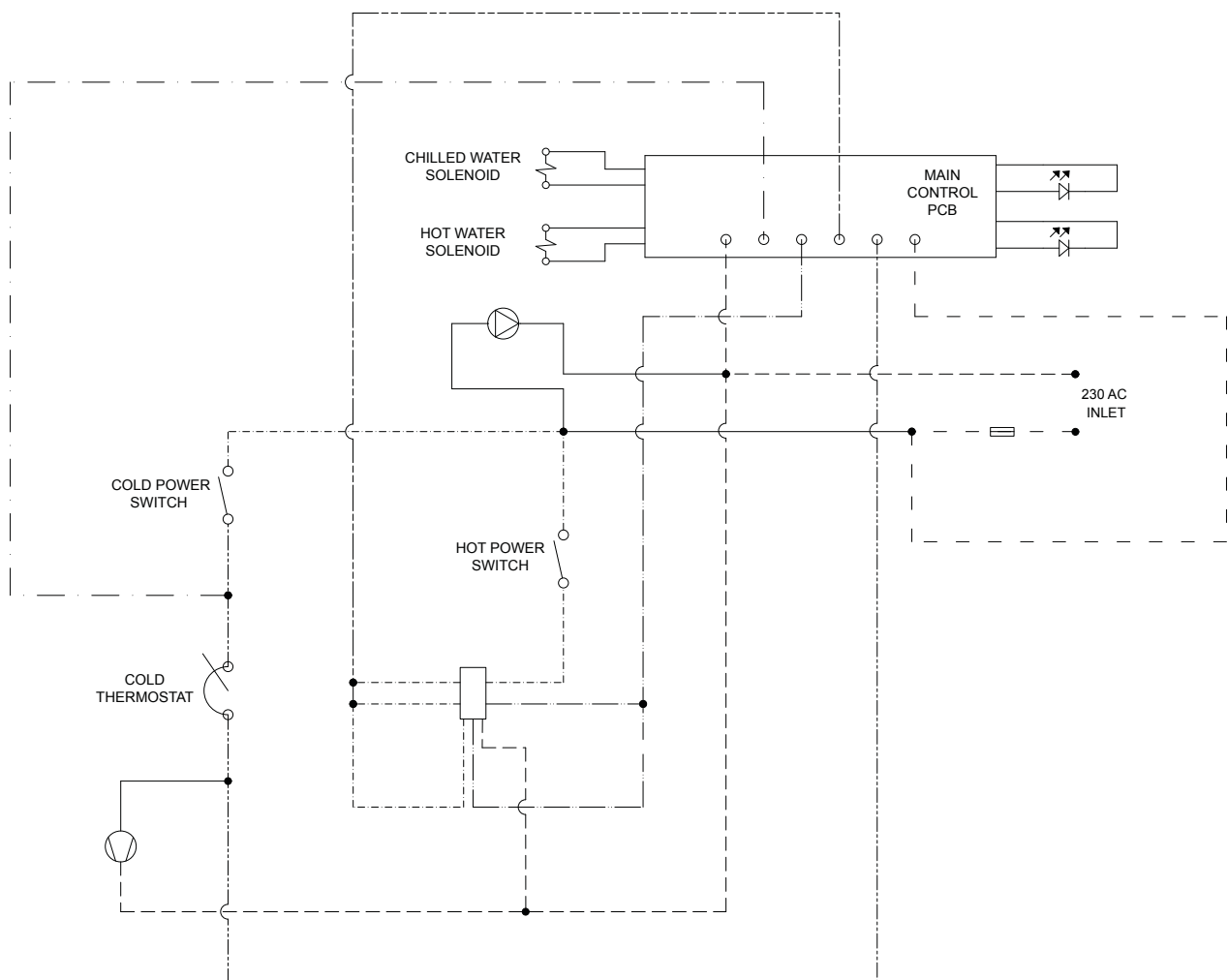


Chilled & Hot Electrical Circuit Diagram - Direct Chill Variant

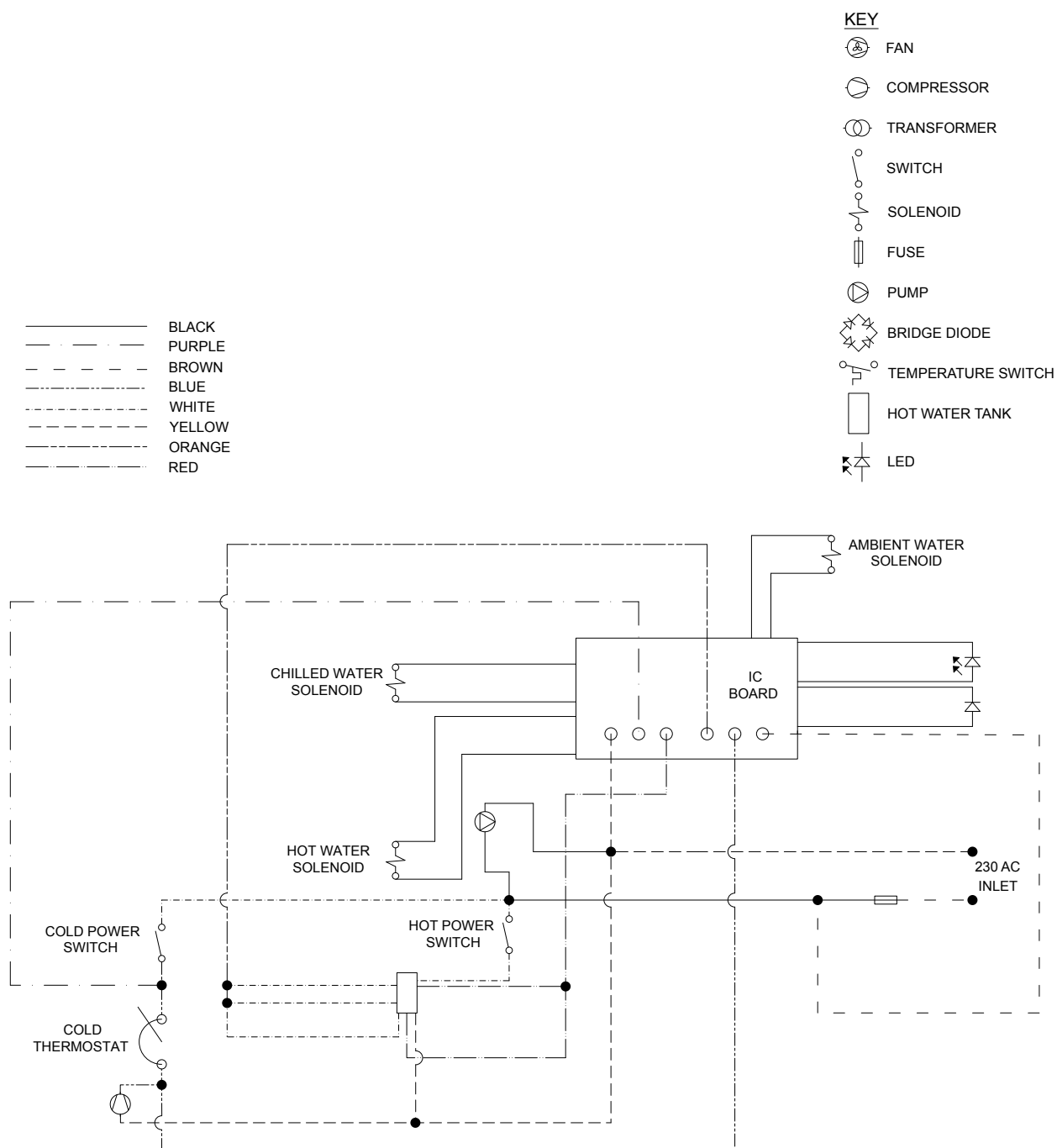
——— BLACK
 - - - PURPLE
 . . . BROWN
 - - - BLUE
 - - - WHITE
 - - - YELLOW
 - - - ORANGE
 - - - RED

KEY

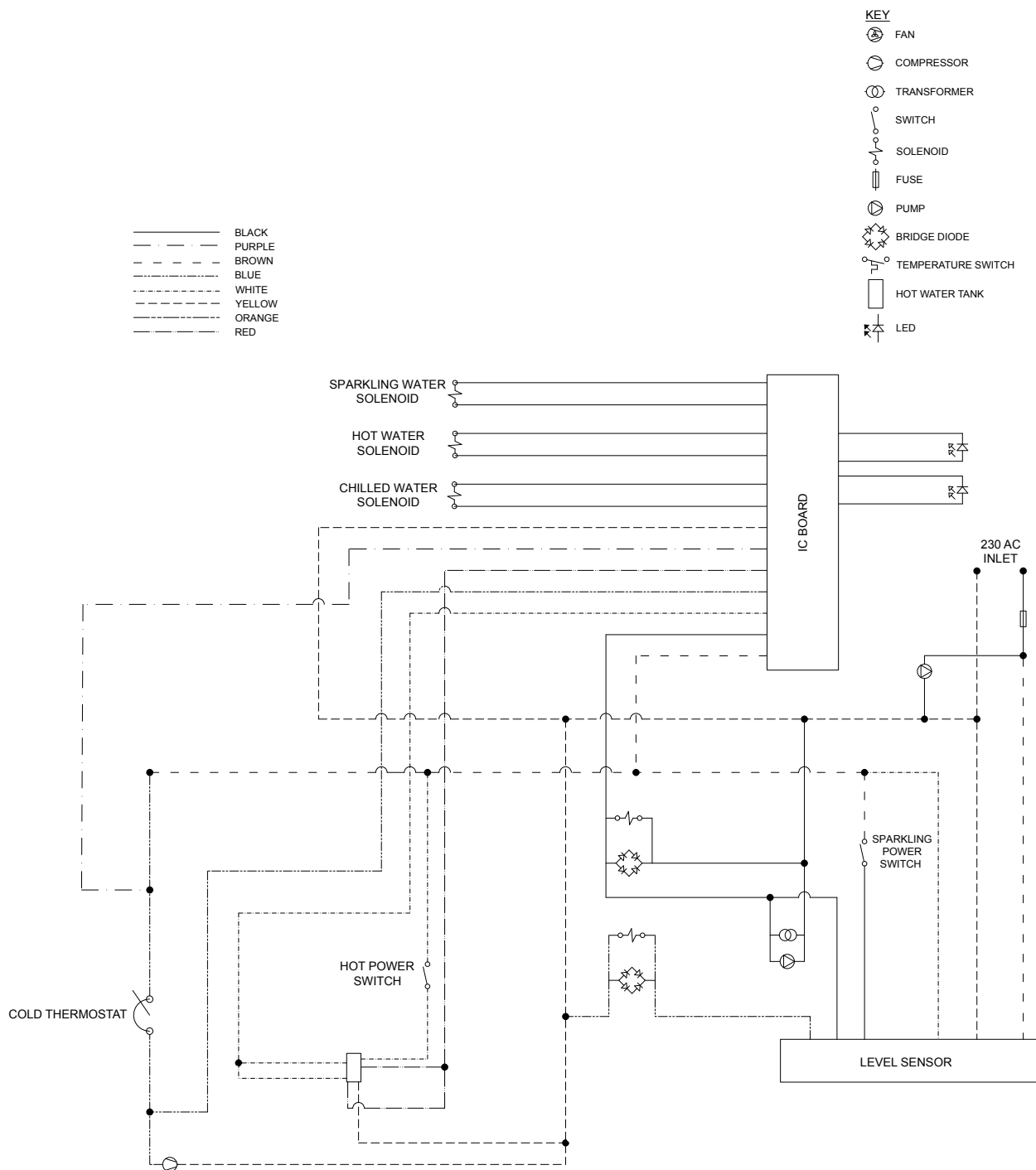
-  FAN
-  COMPRESSOR
-  TRANSFORMER
-  SWITCH
-  SOLENOID
-  FUSE
-  PUMP
-  BRIDGE DIODE
-  TEMPERATURE SWITCH
-  HOT WATER TANK
-  LED



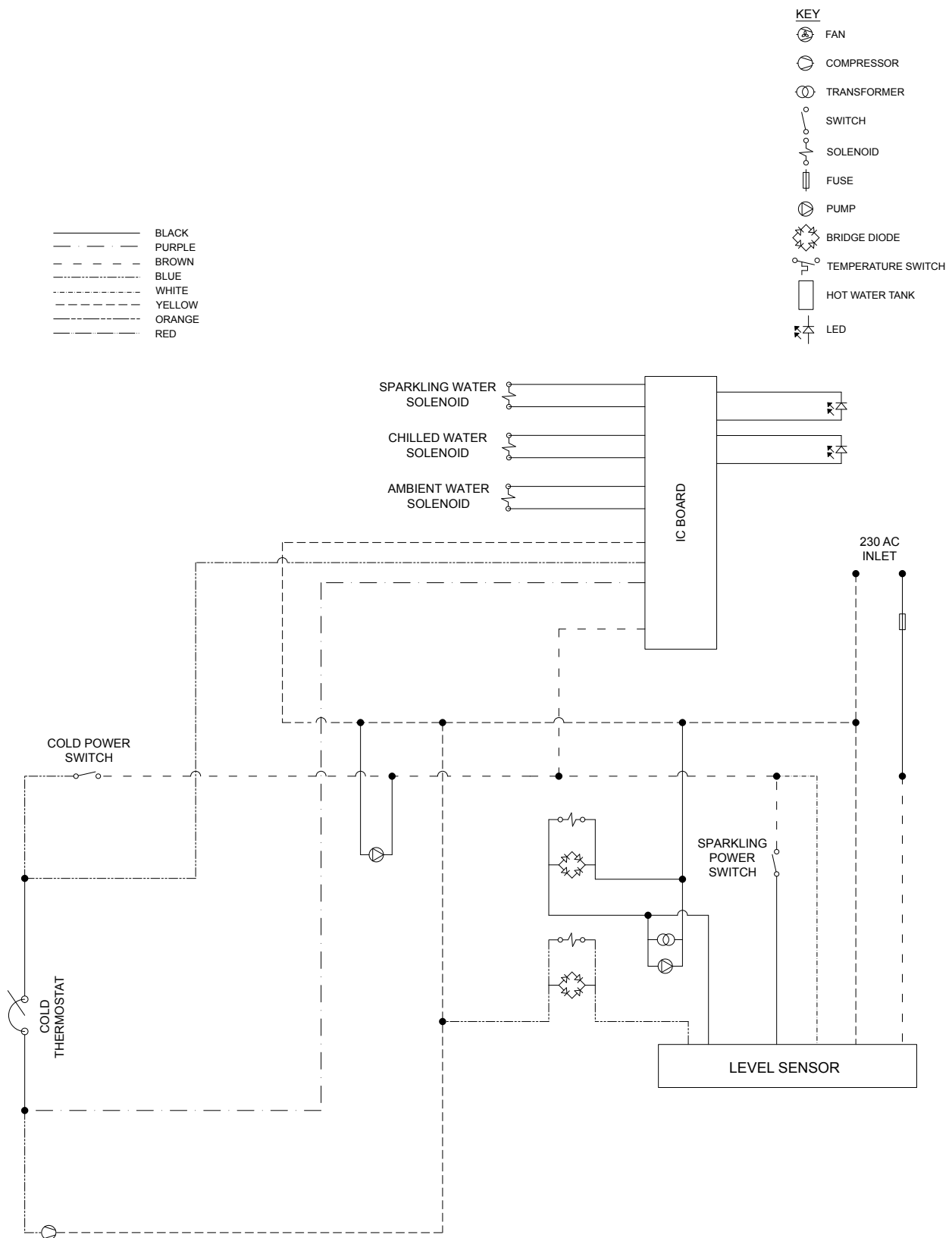
Chilled, Ambient & Hot Electrical Circuit Diagram - Direct Chill Variant



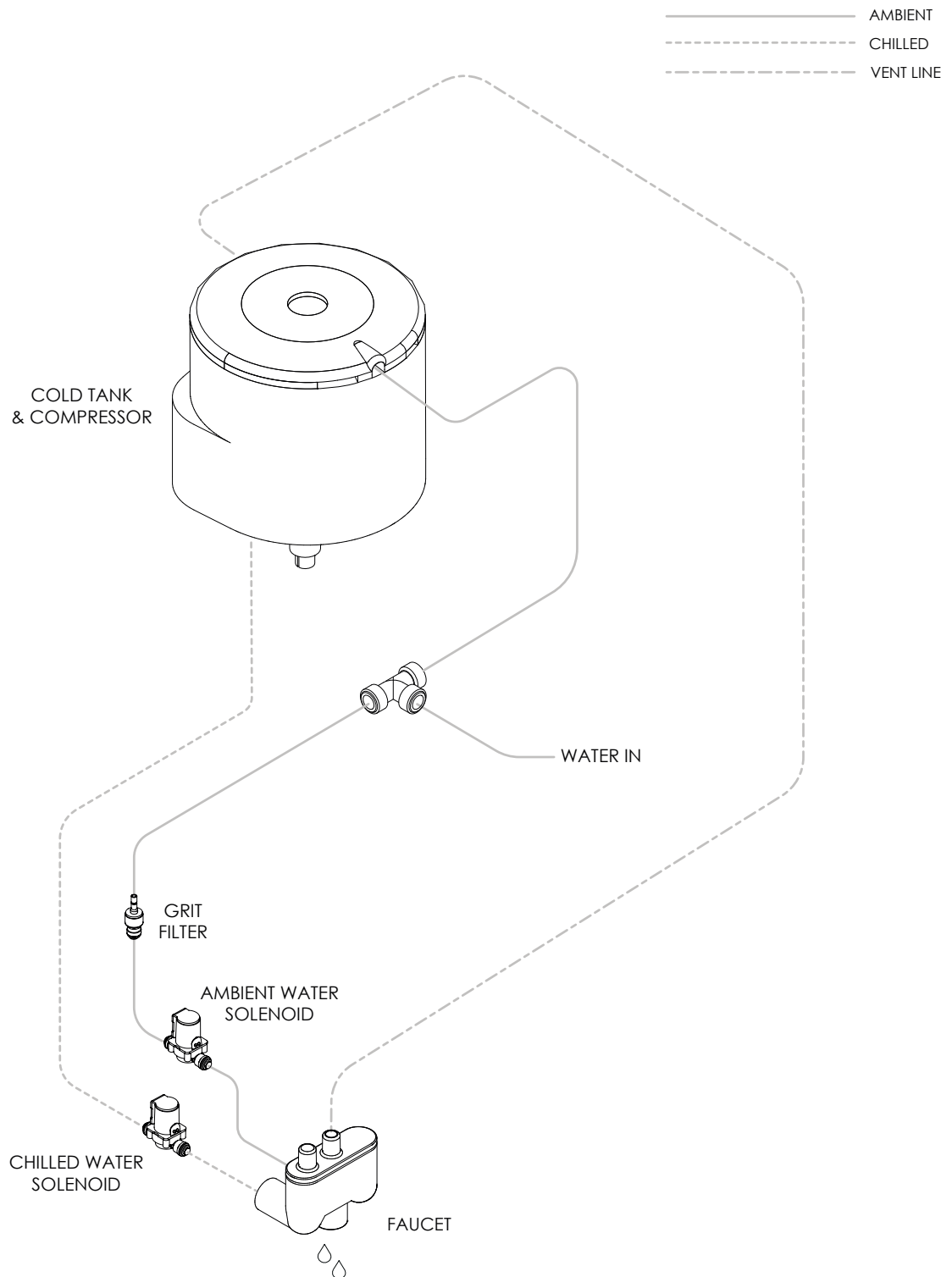
Chilled, Hot & Sparkling Electrical Circuit Diagram - Direct Chill Variant



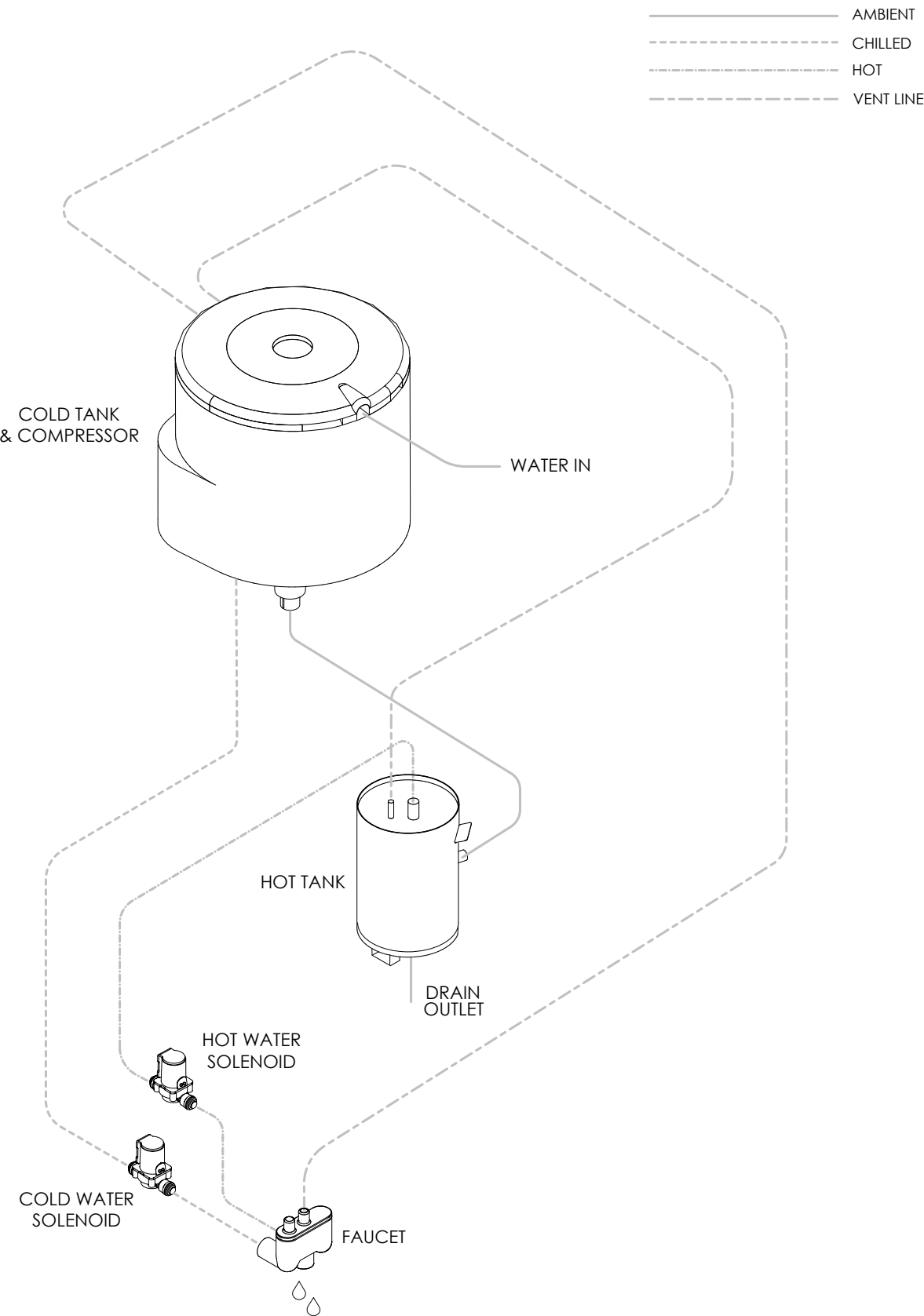
Chilled, Ambient & Sparkling Electrical Circuit Diagram - Direct Chill Variant



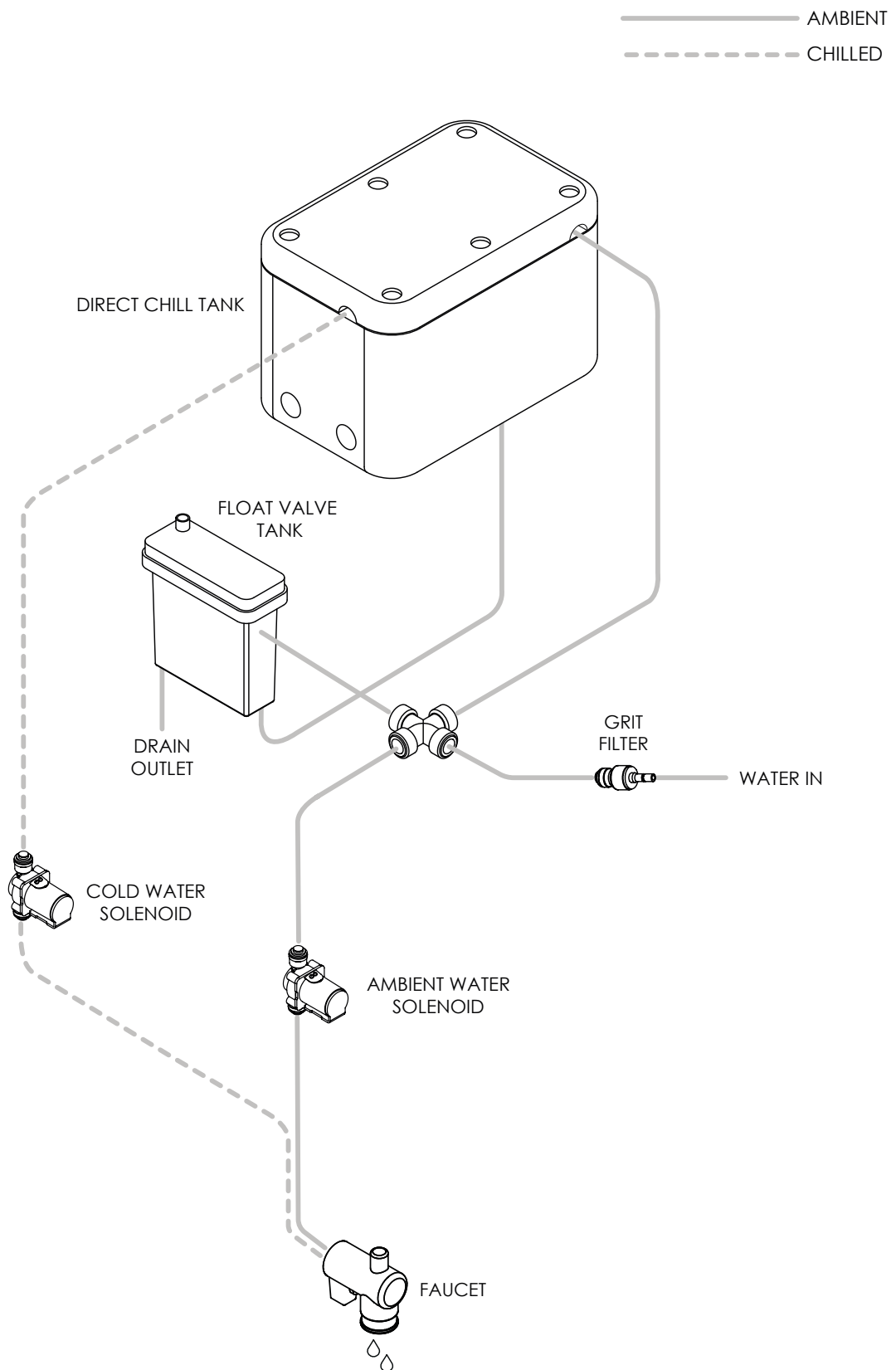
Chilled & Ambient Water Pathway Diagram - Reservoir Variant



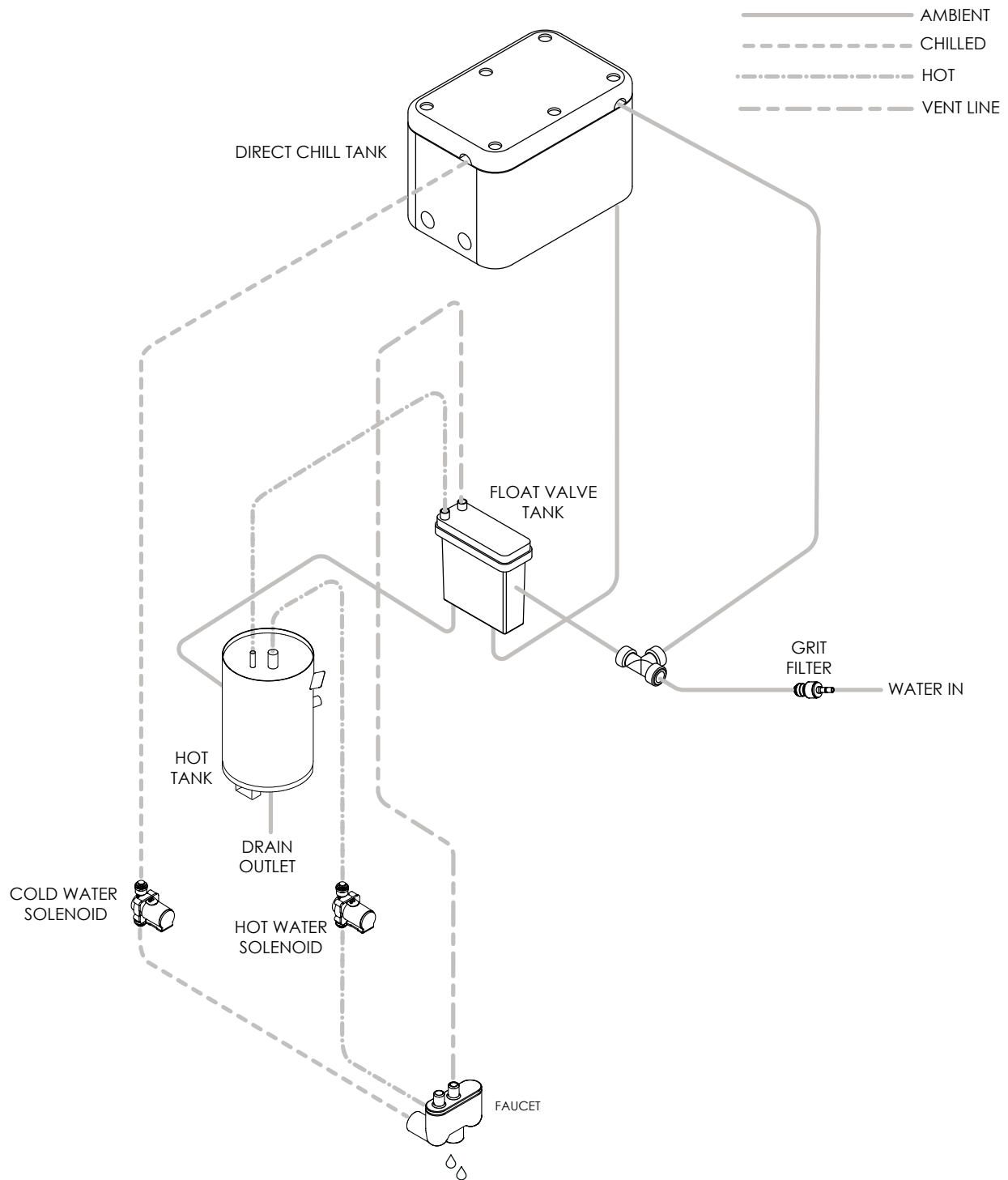
Chilled & Hot Water Pathway Diagram - Reservoir Variant



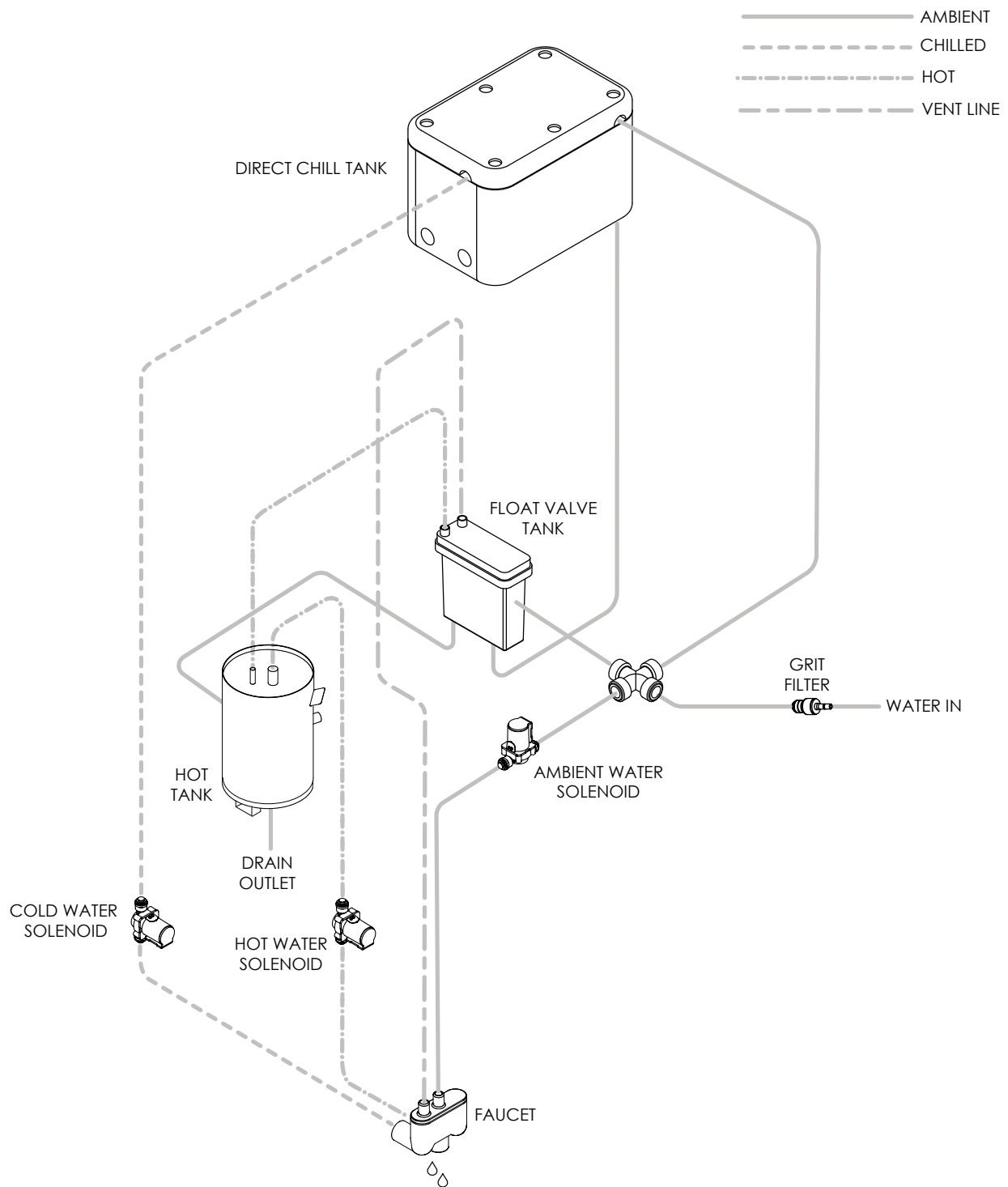
Chilled & Ambient Water Pathway Diagram - Direct Chill Variant



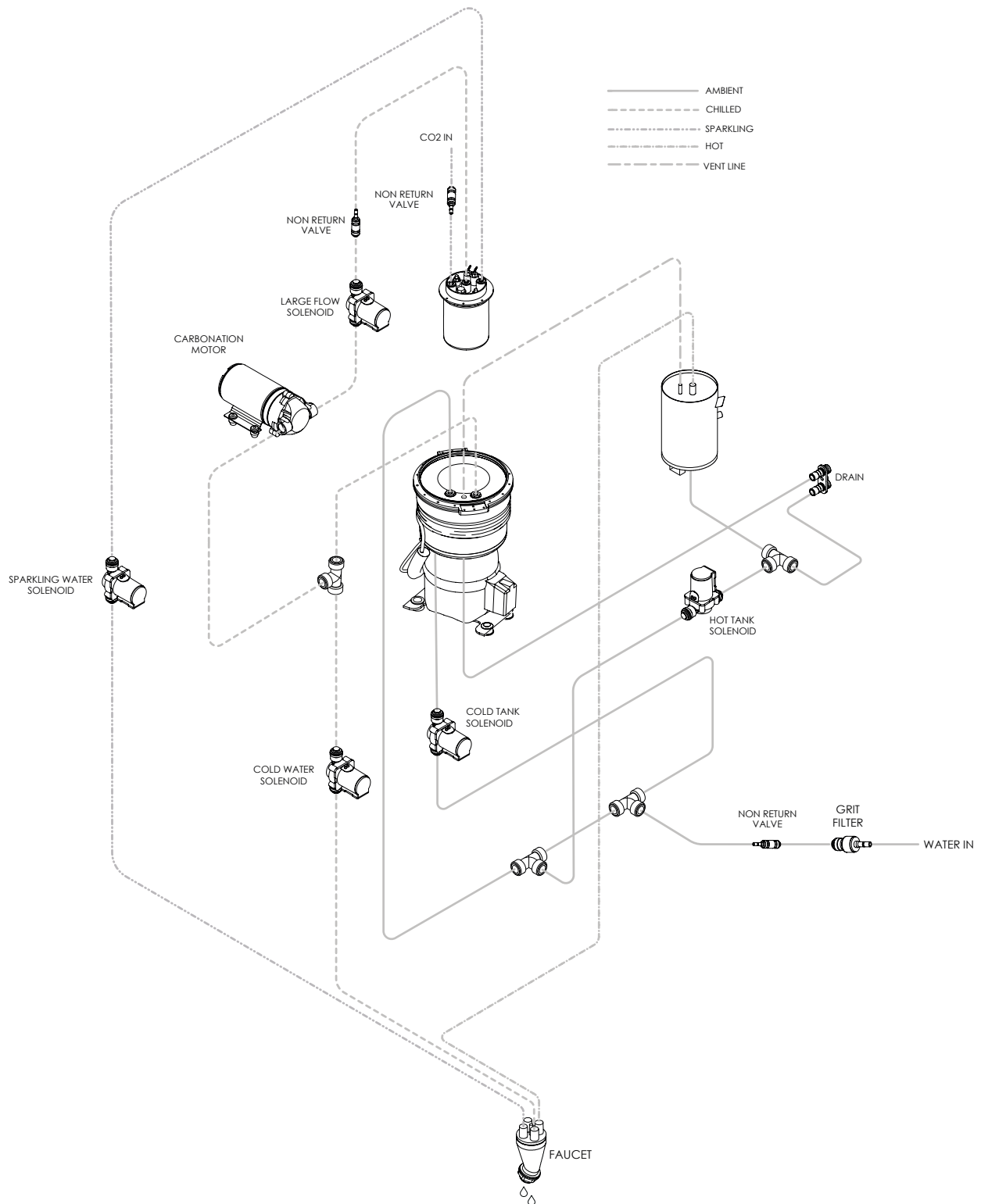
Chilled & Hot Water Pathway Diagram - Direct Chill Variant



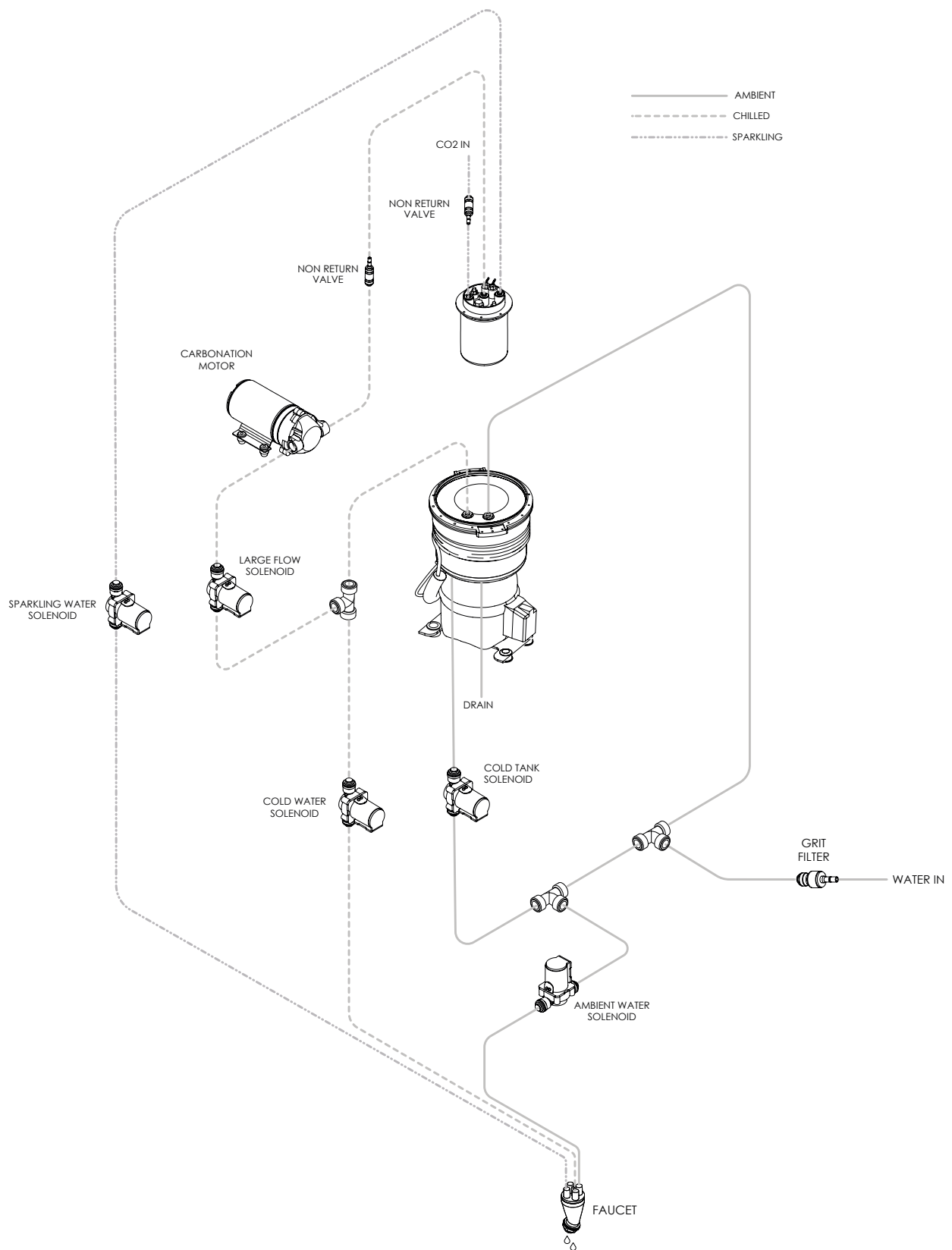
Chilled, Ambient & Hot Water Pathway Diagram - Direct Chill Variant



Chilled, Hot & Sparkling Water Pathway Diagram - Direct Chill Variant



Chilled, Ambient & Sparkling Water Pathway Diagram - Direct Chill Variant



Specification

COOLING SYSTEM	All Models	High efficiency compression system with capillary control. Premium quality long life hermetic compressor. External condenser. Environmentally friendly R134A refrigerant.
	Reservoir - Chilled & Ambient	High volume 3.5 litre stainless steel gravity fed cold tank for optimum water capacity on demand. Insulated tank for energy conservation. Large volume output. Thermostatically controlled chilled water temperature (range down to 2°C minimum).
	Direct Chill - Chilled & Ambient - Chilled, Ambient & Sparkling	Direct Chill Ice bank tank for optimum water capacity on demand and hygiene. Low sanitisation and maintenance. Insulated tank for energy conservation. Large volume output via electronic solenoid valves. Thermostatically controlled chilled water temperature (range down to 2°C minimum).
HEATING SYSTEM	Reservoir - Chilled & Hot	High volume 3.5 litre stainless steel gravity fed cold tank for optimum water capacity on demand and hygiene with low sanitisation and maintenance requirement. Thermostatically controlled chilled water temperature (range down to 2°C minimum). 1.7lt stainless steel hot water tank with thermostatic temperature control (90°C max).
	Direct Chill - Chilled & Hot, Chilled, Ambient & Hot, Chilled, Hot & Sparkling	Direct Chill Ice bank tank for optimum water capacity on demand and hygiene, with low sanitisation and maintenance requirement. Output via electronic solenoid valves. Thermostatically controlled chilled water temperature (range down to 2°C minimum). 1.7lt stainless steel hot water tank with thermostatic temperature control (90°C max). Chilled, Hot and Sparkling System has specially insulated tanks for energy conservation.
COLD TEMPRATURE		2°C to 11°C
HOT TEMPRATURE		90°C Max
THROUGHPUT PER HOUR		22 litres cold < 12°C / 6 litres Hot > 85°C
DISPENSE		Ergonomically designed and situated light touch sensitive controls.
MAXIMUM RUNNING POWER CONSUMPTION	Chilled & Ambient	100 watt
	Chilled & Hot	535 watt
	Chilled, Ambient & Hot	535 watt
	Chilled, Hot & Sparkling	640 watt
	Chilled, Ambient & Sparkling	140 watt
POWER SUPPLY		IEC power socket.
WATER CONNECTION		1/4 inch quick connection.
COUNTERTOP DIMENSIONS		(w x d x h) 315 x 370 x 475mm
FLOORSTANDING DIMENSIONS		(w x d x h) 315 x 370 x 1065mm

Specification

COUNTERTOP WEIGHTS	Reservoir Chilled & Ambient	14.1kg
	Reservoir Chilled & Hot	13.2kg
	Direct Chill Chilled & Ambient	15.4kg
	Direct Chill Chilled & Hot	16.0kg
FLOORSTANDING WEIGHTS	Reservoir Chilled & Ambient	24.0kg
	Reservoir Chilled & Hot	24.6kg
	Direct Chill Chilled & Ambient	25.3kg
	Direct Chill Chilled, Ambient & Hot	26.0kg
	Direct Chill Chilled, Ambient & Sparkling	30.7kg
	Direct Chill Chilled, Hot & Sparkling	32.7kg

CE Declaration of Conformity CE

Producer:

Borg & Overström

Synergy House
Fakenham Road
Morton-on-the-Hill
NR9 5SP
UK

**Product Type:
Model Range:**

Water Dispenser
B3/B3.1/B3.2/NGB3/Elite Series

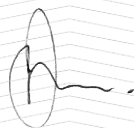
According to:

EMC Directive 2004/108/EC
WEEE Directive 2012/19/EU
RoHS Directive 2011/65/EU
LV Directive 2006/95/EEC
GPSP Directive 2001/95/EC
PED Directive 97/23/EC

Applicable Regulations & Standards:

EN378-2:2008+A2:2012
EN55014-1:2006+A2:2011
EN55014-2:1997/AC:1997
EN60335-2-89:2010
EN61000-3-12:2011
EN61000-6-3:2007/A1:2011
EN60204-1:2006/AC:2010
UK 2012 No.3032
UK 2006 No.3289

We declare that the above product(s) comply with the relevant basic requirements of the known EC regulations, provided the products are installed and used in accordance with the parameters of their design and purpose, as identified.



Daniel Lyon
Managing Director

Date February 2013

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