FMax POU

Featuring Direct Dispense

Ebac
WATERCOOLERS

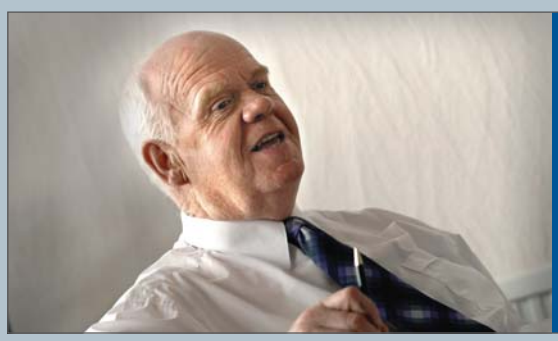
1. Introduction

As the growth of the POU market continues, customers are increasingly citing concerns about sanitisation and contamination as their main points of concern with Point-of-Use Watercoolers.

With the FMax POU, you can offer customers a watercooler that reduces the chance of microbiological contamination by 98% with our ground-breaking Direct Dispense system, as well as offering them all the benefits of our most complete cooler ever made.

Sanitisation also takes just seconds, which means you can sanitise 40% more coolers per day without the need for chemicals, complex training or equipment.

Contents



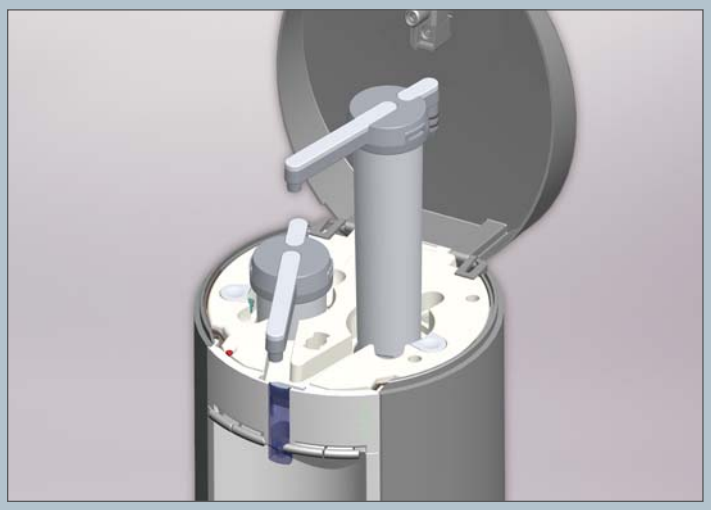
"The FMax POU represents a fantastic technological advancement for Ebac - we have managed to dramatically reduce the volume of water that is at risk of contamination in the cooler - another ground breaking achievement from Ebac"

John Elliott MBE, Chairman, Ebac Group Ltd

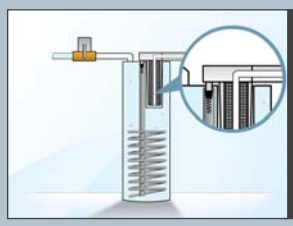
2. Introducing Direct Dispense

Our Direct Dispense system works by filtering the water just before the point of dispense, rather than as it enters the cooler. This means that the water retains antibacterial properties right up until just before it is dispensed.

Other reservoir types filter water as it enters the cooler, meaning that greater amounts of water are left unprotected against bacterial growth. Fixed Reservoir, Direct Chill and UV Light systems leave up to 80 times more water vulnerable to contamination when compared to our Direct Dispense System.

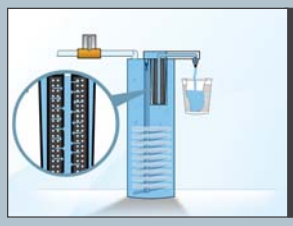


How It Works



1.
The new filter is slotted into the cooler. There are no pipes or wires to attach, it is a simple 'plug and go' mechanism that can be inserted and removed in a matter of seconds.

2.
The water in the reservoir is cooled. All the water in the reservoir has not been filtered yet so it retains its anti-bacterial properties, unlike in other coolers.

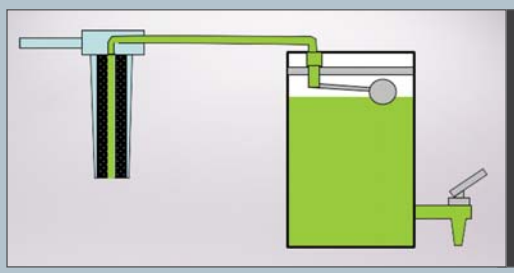


3.
As water is dispensed it passes through the filters. Therefore only the small amount of water in this cartridge becomes susceptible to contamination.

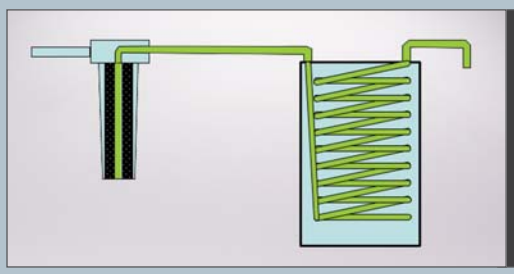
4.
Cartridge replacements are very simple - the old cartridge is simply removed and the new cartridge 'clicks' into place in seconds.

5.
Only this small amount of water is more at risk to contamination.

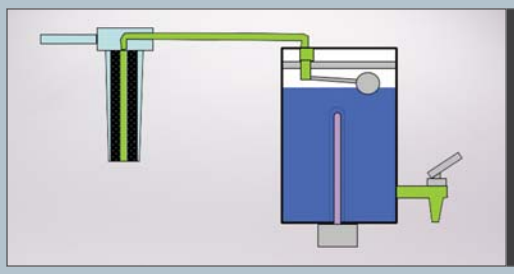
Reservoir Comparison



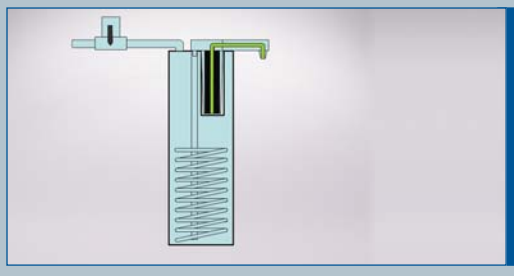
Traditional Reservoir
2500ml water susceptible to contamination



Direct Chill
500ml water susceptible to contamination



UV Protected
60ml water susceptible to contamination



Ebac's Direct Dispense
30ml water susceptible to contamination

3. Direct Dispense

'Direct Dispense' is Ebac's latest technological advancement that revolutionises POU sanitisation and reduces the risk of micro-bacterial contamination by 98%. It dramatically reduces the volume of water that is susceptible to contamination.

Unlike other watercoolers, our Direct Dispense system does not filter water until it is dispensed, meaning that the water retains its anti-bacterial properties for as long as possible, which greatly reduces the risk of contamination.

Open lid

Remove old cartridges

Insert new cartridges

Close lid

Sanitise 40% More Coolers Per Day

Developed in 2008, our Direct Dispense system is our latest technological advancement that reduces the time and costs associated with sanitisation of POU watercoolers. Only available in our FMax POU and unlike other methods of sanitisation which require time consuming and skilled maintenance, our Direct Dispense system can be easily changed in less than 20 seconds - meaning you can sanitise up to 40% more watercoolers per day.

The Direct Dispense system incorporates a 'slot and go' mechanism which makes changing filters incredibly easy.

Reduces Contamination Risk By 98%

With Direct Dispense the amount of water that is susceptible to contamination is reduced by more than 98% - this is because the water supply is not filtered before it enters the cooler - but just before the point of dispense.

Alternative methods such as Direct Chill still have approx 500ml vulnerable to contamination, whilst UV filtration systems are ineffective at cleaning all parts of the cooler such as pipes and dispense taps and therefore still have about 60ml of water susceptible to contamination (see fig 1.2).

Direct Dispense has the lowest volume of susceptible water of all these methods at just 30ml - the result is a system which gives a 98% reduction in the possibility of bacterial contamination - offering you and your customers complete peace of mind and yet more industry leading technology from Ebac.

Fig 1.1 Sanitisation Method Time Comparisons

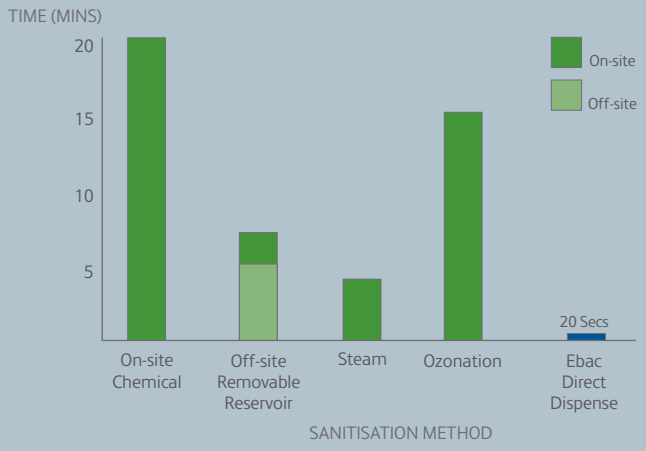
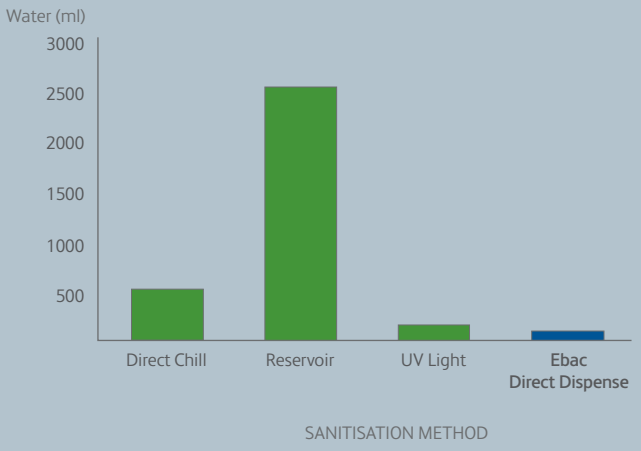


Fig 1.2 Volume of Water Vulnerable to Contamination



4. The Benefits of Direct Chill - Without the High Costs

Our Direct Dispense System features of all benefits of Direct Chill - water does not come into contact with air in a reservoir - but without the high costs associated with purchasing and maintaining a Direct Chill Watercooler.

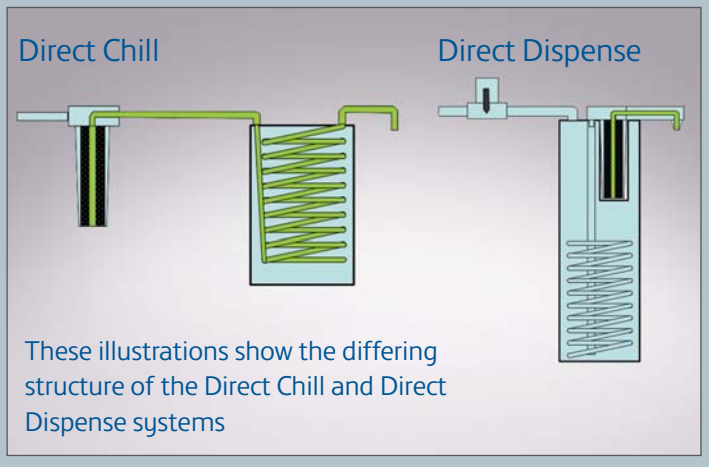
Comparison with Direct Chill

Direct Chill is considered by many to be one of the best cooling systems available - however many are discouraged from using Direct Chill because of the high cost of the coolers and increased running costs.

The advantage of Direct Chill is that water does not come into contact with air whilst in the cooler - this means the water is cleaner and less susceptible to bacterial growth - this is because when water mixes with air, it is a catalyst for growth of bacteria.

The FMax POU with Direct Dispense has the exact same benefit - water does not come into contact with air whilst inside the cooler, meaning that the water stays cleaner for longer. However, the FMax POU has the added benefit of not being as complicated as Direct Chill watercoolers and being cheaper to run as the cooling system is more efficient.

Fig 1.3 Direct Chill Comparison



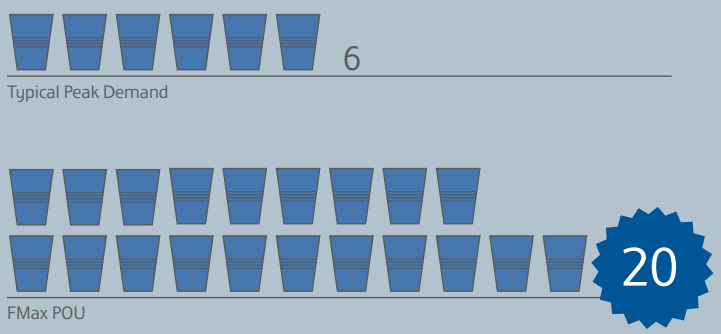
Having a high Burst Rate ensures that even at busy periods at a watercooler (which are typically mornings and lunch breaks), the FMax POU will continue to deliver consecutive cups of cold water to ensure customer satisfaction.

High Burst Rate

Research has shown that during peak demand times such as lunch breaks a Watercooler can have as many as 8 cups of cold water dispensed consecutively. With many competitor coolers this would result in some people receiving un-chilled water - which can cause dissatisfaction and discourages customers from drinking from the cooler.

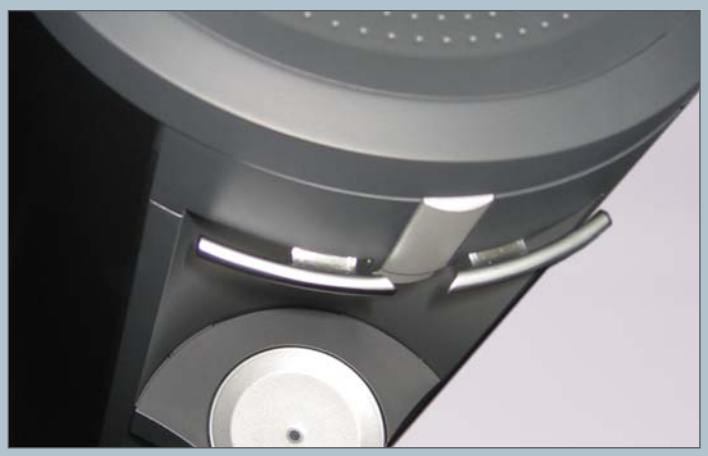
The FMax POU features an extra large 3.0 litre reservoir - which will dispense up to 20 cups of cold water consecutively - this ensures that during busy periods there is sufficient cold water available and customers are not supplied with un-chilled water - increasing customer satisfaction and encouraging them to drink more water.

Fig 1.4 Consecutive Cups Of Chilled Water



5. Good Looks That Last

Combining good looks with impeccable reliability - the FMax POU features stylish curves to fit into the modern office environment and is constructed from ultra-durable ABS polymer to ensure it withstands many years of use and keeps repair and replacement costs down.



Robust Construction

Customers are increasingly demanding a watercooler that fits in with their modern office, and the FMax POU is the perfect cooler to meet their requirements. During construction we use 3 or 4 times more material than we need to at weak points to ensure the watercooler withstands years and years of constant use.

Designed to be stylish, modern and practical - the FMax POU is built from ultra durable ABS Polymer. This exceptional durability - four chassis can support the weight of a vehicle - means that the cooler will take what ever your worst customer throws at it - it will never rust, and will therefore save you time and money in repair and replacement costs.

To offer your customer maximum choice and reduce the costs associated with cooler damage, the FMax POU is available with a selection of 8 different side panels.

Changeable Panels

The FMax POU also features a choice of 8 changeable side panels, meaning you can win more customers by offering a customised cooler to suit their own office.

You will also save money on replacements as damaged panels can be easily interchanged without having to replace the entire cooler.

The FMax POU is available in the following colours:

- Silver
- Dark Blue
- Green
- Cream
- Red
- White
- Black
- Light Blue

Fig 1.5 The FMax POU's changeable side panels. The FMax POU is also available with a black body.

6. Product Features

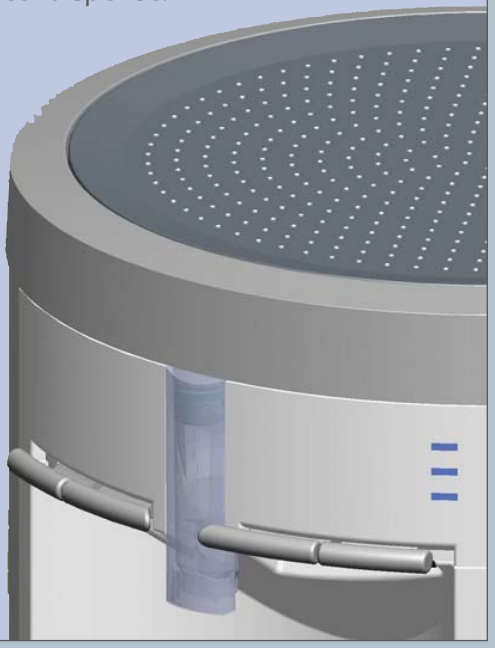
The FMax POU is our most technologically advanced POU Watercooler - as well as featuring our new Direct Dispense System, it has a number of other unique features that you will only find in an Ebac watercooler.

Temperature Combinations

Metal dispense levers offering a choice of Cold or Ambient water.

Duplex Dispense Nozzle

Prevents contamination, customers fingers and hands can never come into direct contact with the point of water dispense.

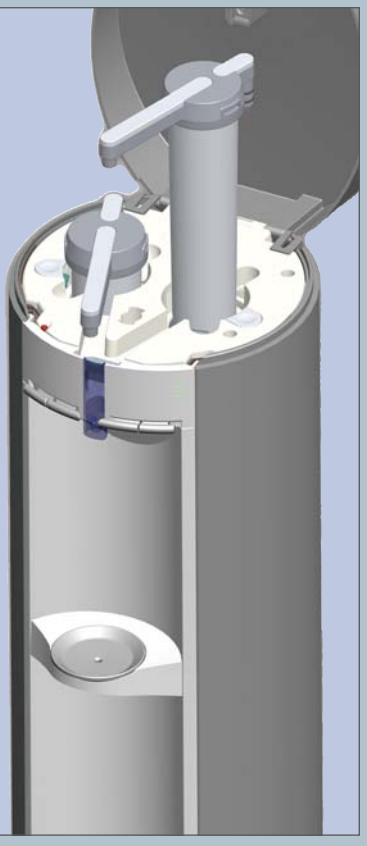


NSF53 Approved Carbon Filter

Manufactured by CUNO, the filters for the FMax POU are NSF53 approved with a 1 micron filtration level to ensure safe and clean drinking water is dispensed.

The Benefits of Direct Chill

Includes all the benefits of Direct Chill as the water does not come into contact with air in a reservoir, but with less energy consumption

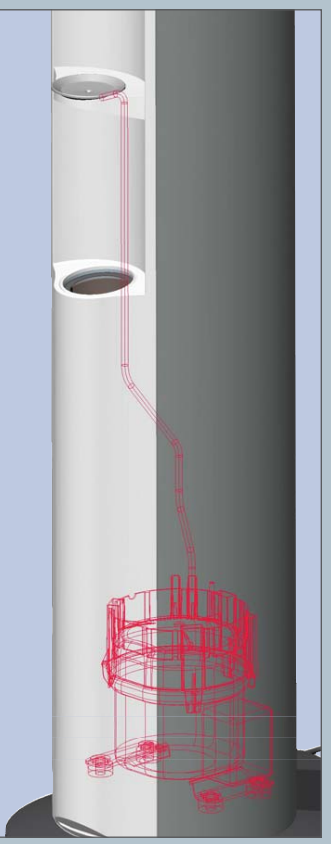


High Dispense Point

Customers have easier access to water with our High Level Dispense Point - no stooping or bending is required to dispense water.

Drip Tray Evaporation

Drips from the dispense nozzle are taken to a reservoir located on the compressor at the base of the cooler - and harmlessly evaporates due to the natural heat generated by the compressor.

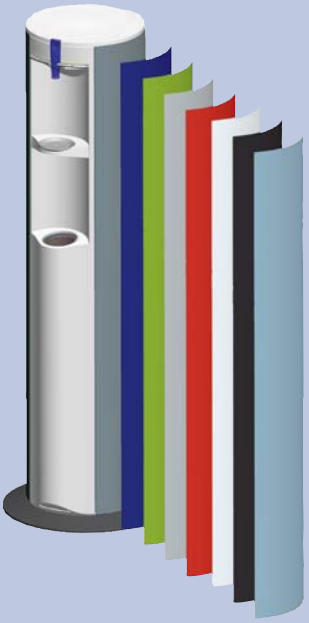


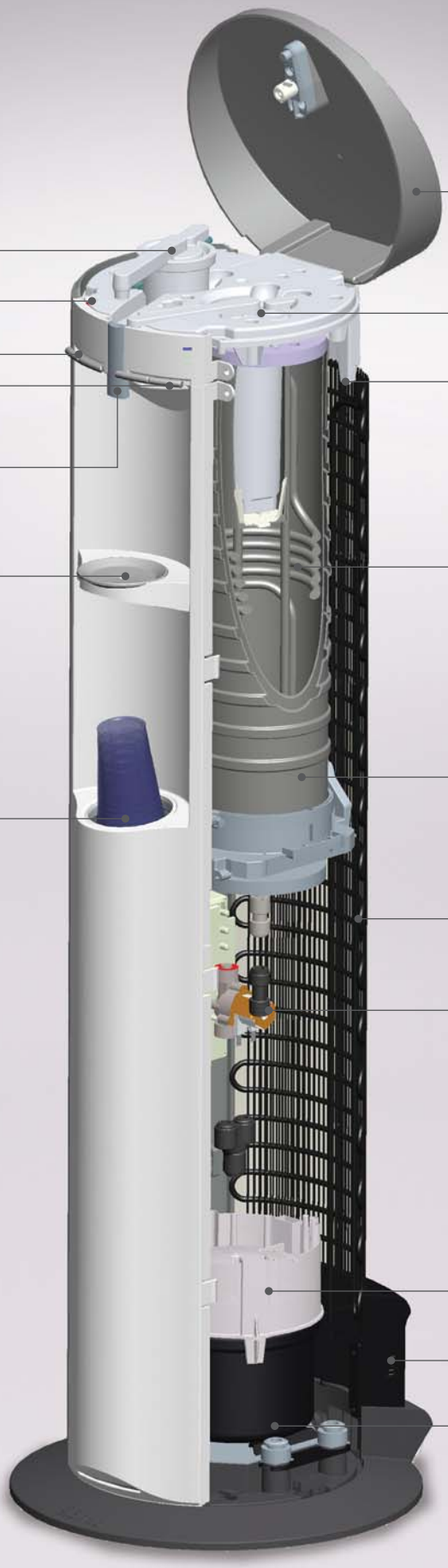
Integral Cup Holder

Cups are positioned upside down preventing contamination, with visual indication for low cup supply.

Changeable Panels

A choice of 8 changeable panels mean that you can offer customers maximum choice and flexibility




Lockable Lid
Ambient Water Filter
Test Button
Cold Water Filter
Dispense Levers
Cold Water Dispense Valve
Dispense Nozzle
Cup Station
St / St Heat Exchanger
Vacuum Insulated Cooling Vessel
Cup Dispenser
Condenser
Ambient Water Dispense Valve
Waste Water Evaporation Tray
Connection Ports
Refrigeration Compressor

7. Technical Specification Comparison

The following table compares all Ebac Watercooler models to help you understand the differences and similarities between each cooler.

	SlimCool Filter	SlimCool Bottled	EMax	EMax POU	FMax	FMax POU
Specifications						
Height (cm)	95.5	95.5	100	100	110	112
Width (cm)	20	20	33	33	26	26
Depth (cm)	20	20	33	33	39	39
Weight (kg)	13	13	17.5	17.5	20	23
Approvals - CE, CB	✓	✓	✓	✓	✓	CE
Refrigeration Type	Electronic	Electronic	R134A	R134A	R134A	R134A
Air Filtration (Microns)	0.5	0.5	0.5	0.5	0.5	0.5
Water Filter Type	Brita Maxtra	-	-	Carbon block	-	Carbon block
Water Filter Life (weeks)	4	-	-	26	-	26
Hot Tank Energy Consumption (standby) (KWh)	-	-	0.03	0.03	0.03	-
Hot Water Temperature (°C)	-	-	86°C / 94°C	86°C / 94°C	86°C / 94°C*	-
Hot Tank Heat Up Time (minutes)	-	-	15	15	15	-
Sanitisation Features						
WaterTrail™ Sanitisation System	✓	✓	✓	✓	✓	-
Cassette WaterTrail™ Sanitisation System	✓	✓	-	-	✓	-
Duplex Dispense Nozzle	✓	✓	-	-	✓	✓
Direct Dispense System	-	-	-	-	-	✓
Functional Features						
Adjustable Drip Tray	✓	✓	-	-	-	-
Drip Tray Evaporation	-	-	-	-	✓	✓
Built In Wheels	-	-	✓	✓	✓	✓
Integrated Cup Dispenser	-	-	✓	✓	✓	✓
Height Adjustable Feet	-	-	✓	✓	-	-
Quick Change Side Panels	✓	✓	-	-	✓	✓
High Dispense Point	✓	✓	-	-	✓	✓
Hedgehog Spike	-	✓	✓	-	✓	-
Additional Features						
Burst Rate (no. of consecutive chilled cups)	12	12	10	10	14	20
Hot Tank Burst Rate (no. of consecutive hot cups)	-	-	6	6	6	-
No Leak Manifold	-	✓	✓	-	✓	-
ABS Polymer Body	✓	✓	✓	✓	✓	✓

*Units built after August 2008

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