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 consideration when buying a mains-fed watercooler.

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

Full sanitisation of the FMax POU also takes just seconds, meaning you can sanitise a far greater number of coolers per day compared to models using more time consuming cleaning methods such as chemicals, which can also require complex training and equipment.

Combining elegant looks and economical functionality with revolutionary technology, the FMax POU is a mains-fed watercooler that offers maximum hygiene and superior performance.

Contents

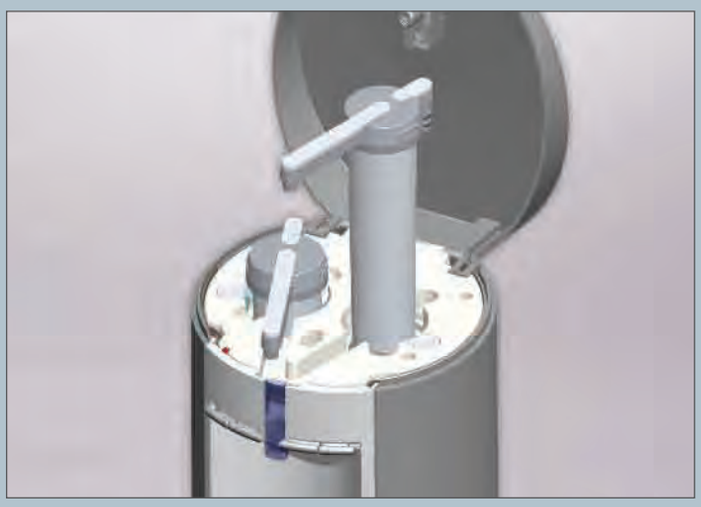
"The FMax POU represents a fantastic technological advancement for Ebac - we have managed to dramatically reduce the volume of water that is at risk of contamination in the cooler - another ground breaking achievement from Ebac"

John Elliott MBE, Chairman, Ebac Group Ltd

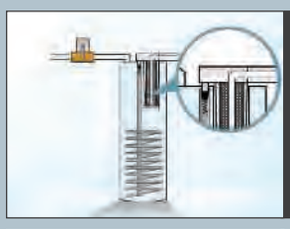
2. Introducing Direct Dispense

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

Other systems 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.

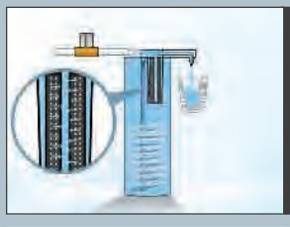


How It Works



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

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

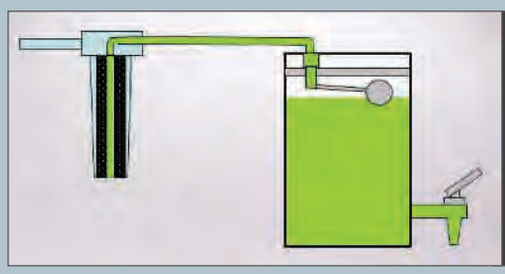


3.
As water is dispensed it passes through the filters. Therefore only the small amount of water in this filter cartridge becomes susceptible to contamination.

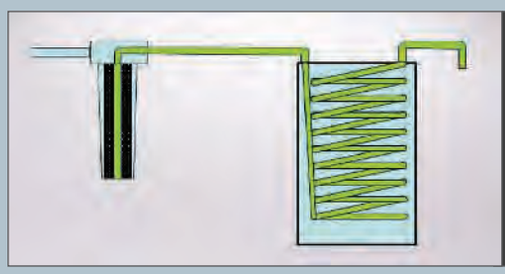
4.
Filter cartridge replacements are very simple - the old cartridge is simply removed and the new cartridge 'clicks' into place in seconds.

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

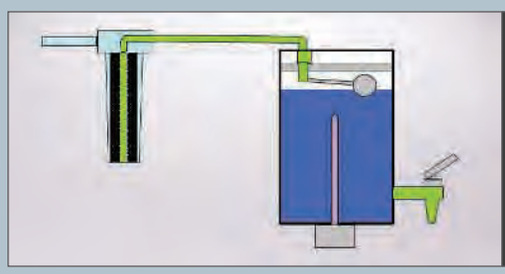
Reservoir Comparison



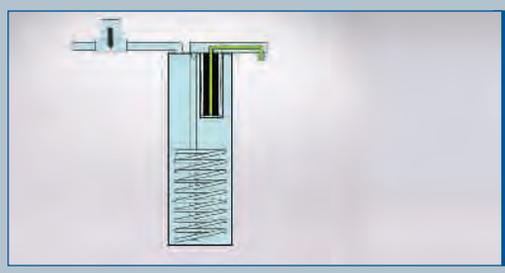
Traditional Reservoir
2500ml water susceptible to contamination



Direct Chill
500ml water susceptible to contamination



UV Protected
60ml water susceptible to contamination



Ebac Direct Dispense
30ml water susceptible to contamination

3. Maximum Hygiene and Ease of Sanitisation

Direct Dispense is Ebac's latest technological advancement that revolutionises the sanitisation of mains-fed coolers and reduces the risk of micro-bacterial contamination by up to 98%. It does this by dramatically reducing the volume of drinking water that is susceptible to contamination.

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

Open lid

Remove old cartridges

Insert new cartridges

Close lid

Sanitise Over 50% More Coolers Per Day

Developed in 2008, the Direct Dispense system is Ebac's latest innovation that reduces the time and costs associated with the sanitisation of mains-fed watercoolers.

Only available in our FMax POU and unlike other methods of sanitisation, which require more time consuming cleaning methods and skilled maintenance, FMax POU's Direct Dispense system can be easily changed in less than 20 seconds - meaning you can sanitise over 50% more watercoolers per day compared to other models.

Our Direct Dispense system incorporates a 'Slot 'n' Go' cartridge mechanism which makes changing filters incredibly easy. Like other Ebac sanitisation technology, the system completely replaces all parts that come into contact with drinking water, offering 100% sanitisation in a matter of seconds.

Reduced Contamination Risk By Up To 98%

With Direct Dispense the amount of water that is susceptible to contamination is reduced by as much as 98% compared to other systems - this is because the water supply is not filtered before it enters the cooler - but only at the final point of dispense.

Alternative methods such as Direct Chill still have approximately 500ml of water 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 up to a 98% reduction in the possibility of bacterial contamination - offering you and your customers complete peace of mind.

Fig 1.1 Sanitisation Method Time Comparisons

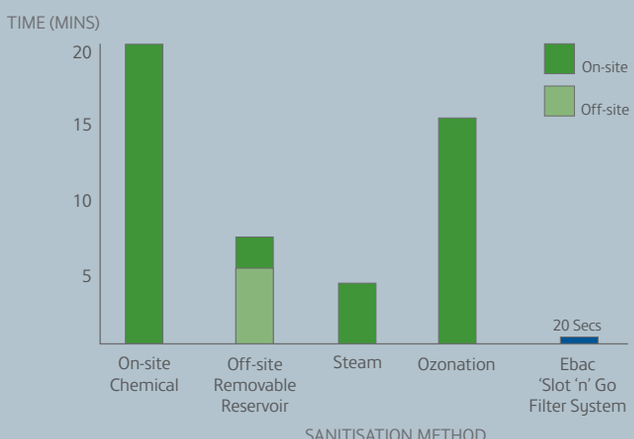
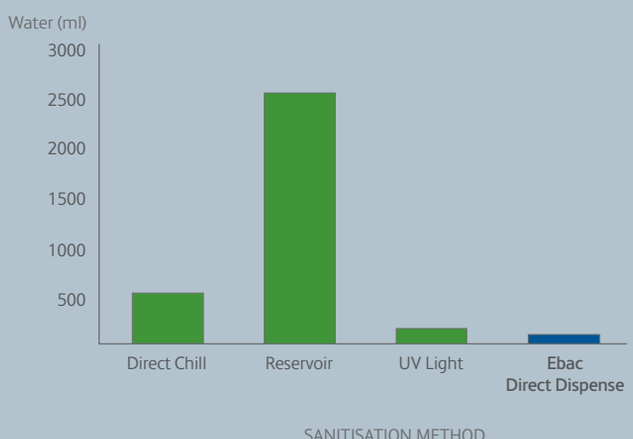


Fig 1.2 Volume of Water Vulnerable to Contamination



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

FMax POU's Direct Dispense System features all the benefits of Direct Chill and more but without the high costs associated with purchasing and maintaining a Direct Chill Watercooler.

Comparisons with Direct Chill

Direct Chill is considered by many to be one of the best cooling systems available, however, people are sometimes discouraged from using Direct Chill because of the high cost of the cooler and increased running costs for the end user.

FMax POU offers all the benefits of Direct Chill and more, including:

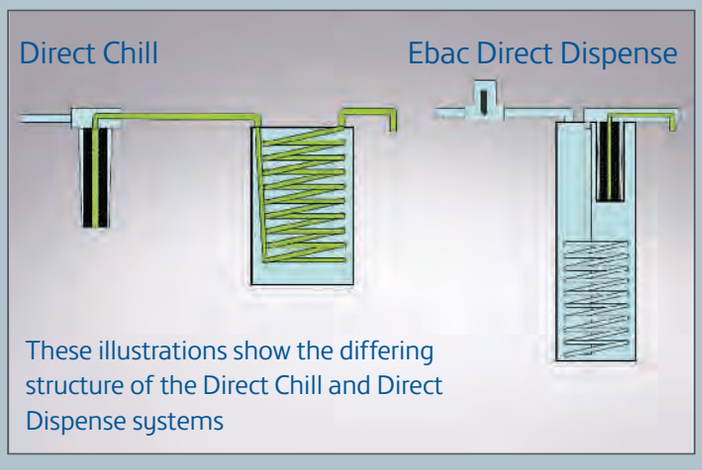
No Air Exchange - Like Direct Chill, with FMax POU, drinking water never comes into contact with air whilst in the cooler meaning the water is cleaner and less susceptible to stagnation or bacterial growth.

Reduced Energy Consumption - Since Direct Chill cools drinking water indirectly, to achieve a dispense temperature of 5°C the temperature needs to be reduced to around 0°C. With FMax POU's Direct Dispense, water in the cold tank is chilled directly meaning it only needs to be chilled to 5°C. This dramatically reduces energy consumption, offering the end user significantly lower running costs compared to Direct Chill.

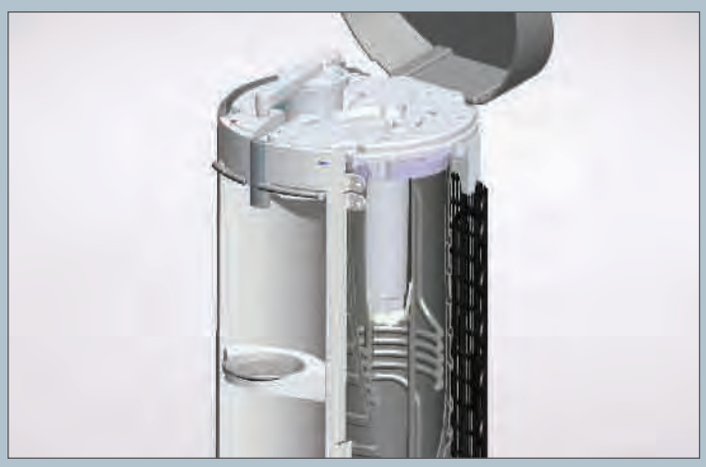
100% Sanitisation Every Time - Like Ebac's WaterTrail™, Direct Dispense offers 100% sanitisation every time by replacing all parts in contact with filtered water. Sanitisation is easy, does not require any complex training and can be done in under 20 seconds giving you the opportunity to sanitize more coolers per day.

FMax POU has the added benefit of not being as complicated as Direct Chill meaning less maintenance and easier sanitisation. Its energy efficient cooling system and maximum hygiene also make it highly attractive to the end user.

Fig 1.3 Direct Chill Comparison



Having a high chilled water capacity ensures that even during busy usage periods (which are typically mornings and lunch breaks), the FMax POU will continue to deliver more consecutive cups of chilled water to ensure maximum customer satisfaction.



Maximum Chilled Water Capacity

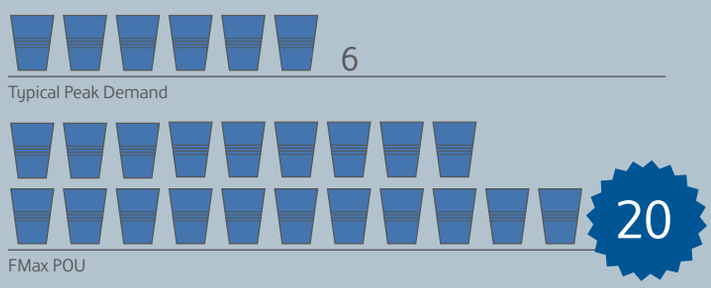
Research has shown that during peak demand times, such as lunch breaks, watercoolers can be required to dispense as many as 6 cups of cold water consecutively. With many competitor coolers this would result in some people receiving un-chilled water during busy periods - which can cause dissatisfaction and discourage customers from drinking from the cooler in the future.

The FMax POU features an extra large 3.5 litre cold tank which will dispense 20 cups of cold water consecutively. This ensures that even during the busiest periods when there is a queue at the cooler, there will a sufficient supply of continuous cold water available, helping to maintain customer satisfaction and encouraging them to drink more water.

In practice, users will tend not to join a large queue at a watercooler and instead choose to come back - this means that dispense times of chilled water are typically staggered. FMax POU's highly efficient cooling system also ensures a faster recovery time meaning that new water entering the cold tank is cooled more quickly.

Based on typical usage patterns and a faster cooling rate, FMax POU will deliver an unlimited supply of chilled water and will dispense 1 cup of chilled water, every minute, continuosly.

Fig 1.4 Consecutive Cups Of Chilled Water



5. StopMax™ Flood Prevention

Every watercooler company has worries about flooding and the growing popularity of mains fed coolers means that flood security is an increasingly important requirement, with the need for secure leak prevention systems now essential.

StopMax™ Flood Prevention System
Ebac has developed the groundbreaking StopMax™ exclusively for the FMax POU to prevent leaks caused by damaged or defective mains fed coolers and inter-connecting pipe work. The system offers 100% security to give the end user maximum protection as well as peace of mind.

How StopMax™ works
StopMax™ prevents the risk of any leak by literally switching off the water supply whenever the cooler is not dispensing water. When the dispense lever is pressed it activates a solenoid valve in the StopMax™ (via an electrical 4 way cable) - it is only then that the water flow is opened through the StopMax™ and into the cooler.

With easy installation, the system fits directly onto the mains water tap to minimise the number of connections from the main water supply, thus completely removing the risk of any leaking altogether.

Features

- Pressure Regulator set to 2.8 bar
- 24v Electrical solenoid valve
- 8mm John Guest push in connector (outlet port)
- 1/4" BSP (8x13) (inlet port)
- Optional 3/4" BSP (20x27) Tap Connector including non-return valve and protective mesh sludge filter.

Fig 1.5 StopMax™ Component Identification

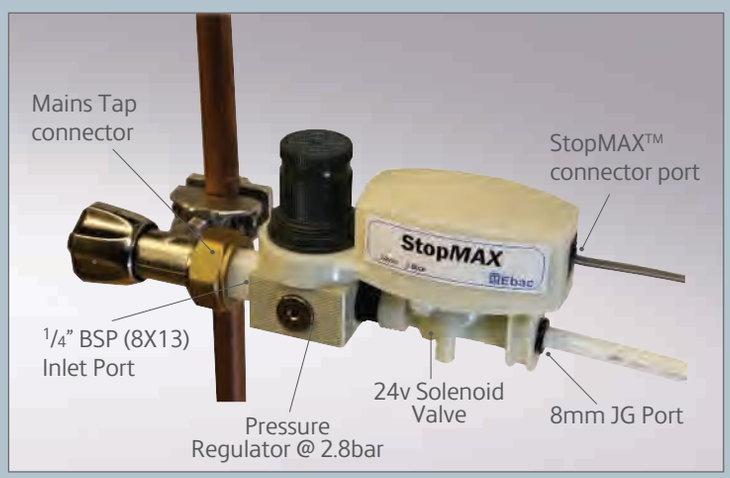
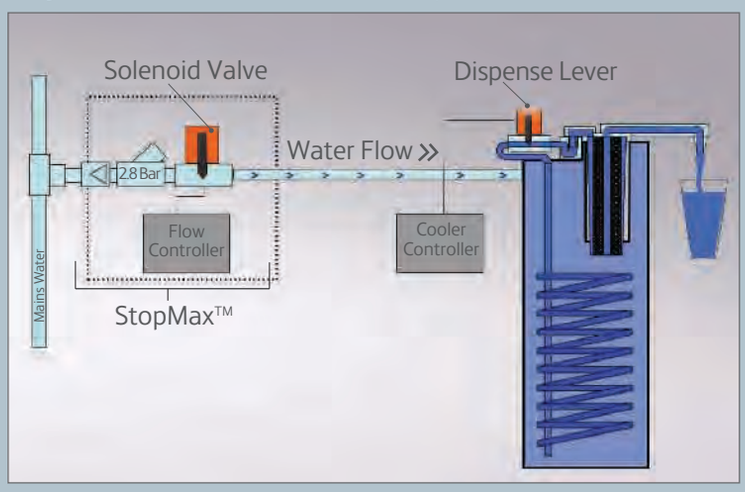


Fig 1.6 Waterflow Schematic with Ebac's StopMax™



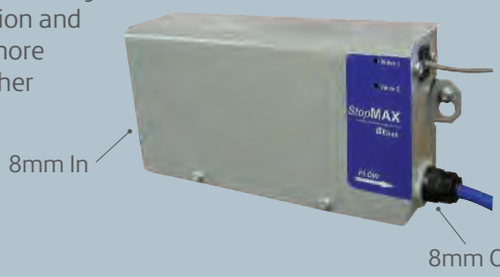
Benefits over other Systems
Unlike StopMax™, other flood prevention systems such as Water Block™ only restrict the risk of leaking by setting maximum dispense volumes (usually 3 litres per dispense). This means that even if a genuine leak is detected there will still be a volume of initial flooding which could cause significant damage to electrical equipment and carpets. It also means that filling large containers from the cooler, such as jugs, may accidentally 'trip' the system and shut off water flow – resulting in nuisance call outs as the system has to be manually disconnected and reset.

WaterBlock™ will also not detect any slow leak rates lower than 0.5 -1 litre per minute which equates to up to 60 litres of flooding an hour. This means that continuous leaks from pin holes and split tubes will be undetected and potentially cause significant damage before they are noticed - especially if the leak arises over a weekend.

With StopMax™ there are no dispense volume restrictions or nuisance trip outs without any risk of leaking by completely cutting off the water flow altogether whenever water is not dispensed from the cooler

Extra Security with StopMax Ultra™

StopMax Ultra" offers a wall mounted option with two solenoid valves to give double-redundant system protection and is suitable for more sensitive or higher risk areas.



Equipment Requirements

- Tap Adapter - e.g. 3/4" BSP (20x27) mains connection with 1/4" BSP Inlet Port - Part No. BSA053
  (a range of alternative mains connection sizes are available)
- 4/4 Flat Solid Wire Plug 1.5A (477-309) - Part No. BSS003
- Electrical Communication Cable - Part No. BSS004
- 4 Way Data Hand Termination Tool (472-6762) - Part No. BSS002
- Water Tubing 8mm OD - Part No. BSC111 (Blue) / BIC844 (White)

StopMAX™ - Part No. BSA050
StopMAX™ *Ultra* - Part No. BSA023

6. Good Looks That Last

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

Robust Construction

Customers are increasingly demanding a watercooler that complements their office decor, and the FMax POU is the perfect cooler to meet their requirements. During construction we use 3 or 4 times more material at weak points than is actually required 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 means that the cooler will take whatever your worst customer throws at it - it will never rust and will therefore save you time and money in repair and replacement costs.

Fig 1.7 The FMax POU's changeable side panels. The FMax POU is available in a white or charcoal body.

Changeable Panels

The FMax POU features a choice of 12 changeable side panels, meaning you can win more customers by offering a customized 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:

Personalised & Bespoke Branding

Ebac's unique branding service will add a new dimension to your watercooler portfolio and offer your customers a customized look and maximum choice.

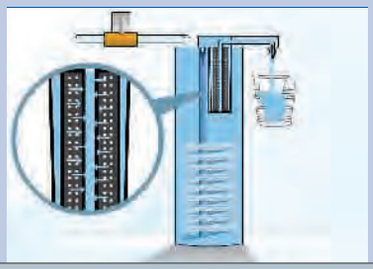
Whether you're adding presence for your own company for sales purposes or providing your customers with a powerful way to proliferate their corporate brand, FMax branding offers an extremely cost effective marketing tool.

7. Product Features

The FMax POU is Ebac's most technologically advanced mains fed Watercooler and it has a number of unique features that you will only find in an Ebac watercooler.

Direct Dispense Technology

Ebac's unique Direct Dispense system only filters drinking water at the point of dispense to reduce risk of contamination by up to 98%.



'Slot 'n' Go' Cartridge Filter System

FMax POU's unique cartridge system allows filters to be changed easily and in less than 20 seconds. All parts in contact with drinking water are replaced to offer 100% sanitisation and maximum hygiene.

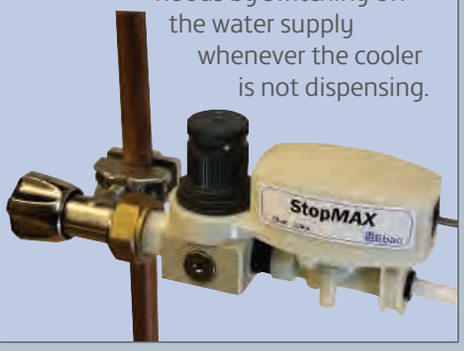
High Efficiency Cold Tank

An extra large 3.5 litre cold tank ensures a maximum capacity of chilled water.

The highly efficient cooling system ensures an unlimited supply of chilled water.

StopMax™ Flood Prevention (optional extra)

Offers maximum protection against floods by switching off the water supply whenever the cooler is not dispensing.



High Dispense Point & Cup Holder

Customers have easier access to water with our High Level Dispense Point - no stooping or bending is required to dispense water. An integrated Cup Dispenser has the capacity for 100 cups with a removable Cup Station to ensure greater hygiene.

Drip Tray Evaporation

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

Ultra-high efficiency Carbon Filter

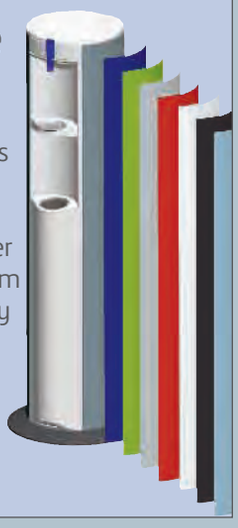
Manufactured using CUNO carbon block technology, the filters for the FMax POU reduce chlorine taste and odour with a 0.5 micron filtration level to ensure safe and clean drinking water is dispensed.

Duplex Dispense Nozzle

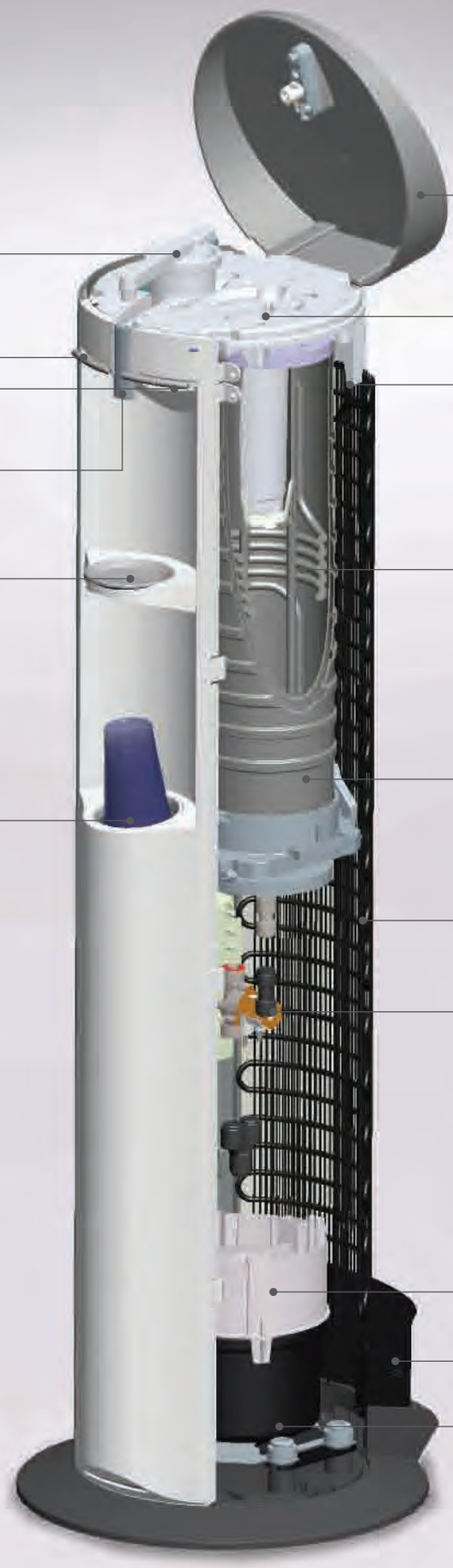
Prevents contamination by ensuring customers' fingers and hands can never come into direct contact with the point of water dispense.

Changeable Panels

A choice of 2 chassis colours and 12 changeable panels means you can offer customers maximum choice and flexibility



8. Component Identification

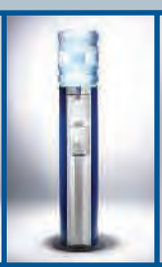


9. Technical Specification Comparison

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






	Classic Cooler	Classic POU	SlimCool Bottled	EMax	EMax POU	FMax	FMax POU
Specifications							
Dimensions (H x W x D) cm	100x33 x33	100x33x33	95.5x30x30	100x33x33	100x33x33	110x39x37	110x39x37
Weight (kg)	12.25	12.5	12.5	17.2	17.5	20	21.5kg
Compressor	AES30DS	AES30DS	-	AES30DS	AES30DS	AES30DS	AES30DS
Refrigeration Charge	R134A 25g	R134A 25g	-	R134A 40g	R134A 20g	R134A 30g	R134A 30g
Air Filtration (Microns)	0.5	0.5	0.5	0.5	0.5	0.5	-
Air Filter Life	3 months	3 months	3 months	3 months	3 months	3 months	-
Water Filter Type	-	*Carbon Block	-	-	Carbon Block	-	Carbon Block
Water Filter Type (weeks)	-	26	-	-	26	-	26
Cold Tank Capacity	1.8 litres	1.8 litres	2.2 litres	1.8 litres	1.8 litres	2.5 litres	3.5 litres
Cold Water Temperature	6ºC	6ºC	6ºC	6ºC	6ºC	6ºC	6ºC
Burst Rate (no. of consecutive chilled cups)	8	8	10	10	10	14	20
Water Cooling Capacity	20 mins	20 mins	120 mins	33 mins	33 mins	40 mins	120 mins
Hot Tank Energy Consumption (standby)	0.12kwhr/day	0.12kwhr/day	-	0.12kwhr/day	0.12kwhr/day	0.12kwhr/day	-
Hot Water Temperature (ºC)	85ºC	85ºC	-	86°C/93°C	86°C/93°C	86°C/93°C	-
Hot Tank Burst Rate (no. of consecutive hot cups)	6	6	-	6	6	6	-
Hot Tank Heat Up Time (minutes)	10 mins	10 mins	-	15	15	15	-
Water Connection	-	6mm tubing	-	-	1/4"(UK)\6mm(EU)	-	8mm Tubing
Water Inlet Pressure (mains fed coolers)	-	Recommended Regulated Pressure of 3 bar	-	-	Min 2 bar Max 3 bar	-	Min 2 bar Max 3 bar
Fuse Rating	13A (UK)	13A (UK)	13A (UK)	13A (UK)	13A (UK)	13A (UK)	13A (UK)
Electrical Rating	230V-0.82A 50Hz	230V-0.82A 50Hz	230V-0.5A 50Hz	230V-1.0A 50Hz	230V-1.1A -50Hz	230V-2.7A 50Hz	230V-1.1A 50Hz
Maximum Power Consumption	112W(C&C) 620W (H&C)	112W (C&C) 620W (H&C)	55W (C&C) -	110W (C&C) 650W (H&C)	140W (C&C) 650W (H&C)	110W (C&C) 581W (H&C)	120W (C&C) -
Approvals	CE	CE	CE	CE	CE	CE	CE
Sanitisation Features							
WaterTrail™ Sanitisation System	-	-	✓	✓	✓	✓	-
Cassette WaterTrail™ Sanitisation System	-	-	✓	-	-	✓	-
Duplex Dispense Nozzle	-	-	✓	-	-	✓	✓
Direct Dispense Cartridge System	-	-	-	-	-	-	✓
Fixed Stainless Steel Reservoir	✓	✓	-	-	-	-	-
Functional Features							
Adjustable Drip Tray	-	-	✓	-	-	-	-
Drip Tray Evaporation	-	-	-	-	-	✓	✓
Built In Wheels	-	-	-	✓	✓	✓	✓
Integrated Cup Dispenser	-	-	-	✓	✓	✓	✓
Height Adjustable Feet	-	-	-	✓	✓	-	-
High Dispense Point	-	-	✓	-	-	✓	✓
Hedgehog Spike	-	-	✓	✓	-	✓	-
Additional Features							
StopMax Flood Prevention	-	-	-	-	-	-	✓
Choice of colours	✓	✓	✓	✓	✓	✓	✓
Removable Side Panels	-	-	✓	-	-	✓	✓
Stainless Steel Dispense Levers	-	-	✓	-	-	✓	✓
No Leak Manifold	-	-	✓	✓	-	✓	-
ABS Polymer Body	✓	✓	✓	✓	✓	✓	✓

*Water filters sold and supplied separately for Classic POU

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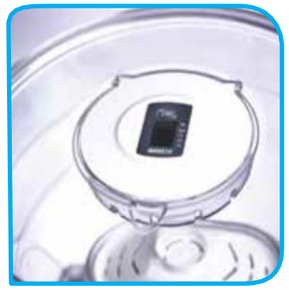
www.ebacwatercoolers.com

SlimCool™

Home Filtered Watercooler



A fresh way to enjoy great tasting, filtered water at home

Ebac
WATERCOOLERS

BRITA

SlimCool™ Home Filter

Il sistema più facile e conveniente per bere acqua

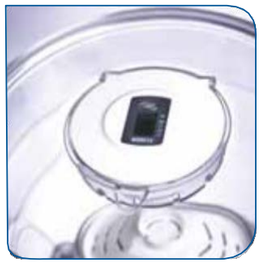
Il SlimCool ™ Watercooler offre a voi, alla la vostra famiglia o al vostro ufficio un costante rifornimento di acqua filtrata alla temperatura che più si gradisce, filtra l'acqua del rubinetto con la semplice pressione di un pulsante
Una serie di caratteristiche, vantaggi e miglioramenti frutto di esperienza decennale,, rende SlimCool ™ un "must-have" per la tua casa o per il tuo ufficio

Perché mi serve uno SlimCool™ ?

Tutti abbiamo bisogno di bere più acqua, soprattutto i bambini. SlimCool ™ consente di filtrare l'acqua di rubinetto e di refrigerare allo stesso tempo, dandovi litri di purezza, acqua fredda ogni volta che vuoi. Oltre ad offrire una fornitura costante di acqua refrigerata per una frazione del costo dell'acqua in bottiglia, Lo SlimCool ™ incoraggerà voi e la vostra famiglia a bere più acqua, che contribuirà a mantenere il vostro corpo sano e la mente attiva.

Come SlimCool™ Filter funziona?

Riempiendo l'ampio serbatoio SlimCool di acqua del rubinetto, la si fa passare sfruttando la gravità attraverso una cartuccia filtrante MAXTRA Brita, reperibile da noi o in qualsiasi supermercato, per eliminare cloro, calcare e altre impurità.
L'acqua filtrata viene quindi immagazzinata in un secondo serbatoio dotato di sistema ultra igienico WaterTrail ™, situato nel cuore del dispositivo di raffreddamento, dove viene refrigerato utilizzando la tecnologia di raffreddamento simile a quello di un frigorifero. Un dito è poi tutto quello che serve per attivare la leva di erogazione e gustare un bicchiere di acqua fresca, pulita e chiara.



Benefici

Mantiene il corpo in forma risparmiando e rispettando l'ambiente – Bere molta acqua è un ottimo modo di aiutare il vostro corpo a rimanere in forma e sani. si tratta di una cosa essenziale per il nostro benessere bere circa 2 litri di acqua ogni giorno - e SlimCool ™ è il modo più comodo ed economico per assicurare una fornitura costante di acqua refrigerata, di ottima qualità, risparmiando tempo e denaro eliminando costosi acquisti di acqua in bottiglia. Permette di eliminare quantità incredibili di Co2 e plastica

Risparmiare spazio in frigorifero – SlimCool™ elimina la necessità di ingombranti bottiglie di acqua o caraffe filtranti in frigorifero e libera spazio per il latte, succo di frutta o la vostra bevanda preferita.

Piccola ma robusta – con un ingombro di soli 30cm, il SlimCool si adatta facilmente in cucina e qualsiasi altro locale. La base è rinforzata per garantire la massima stabilità. **È costruita e progettata interamente in Inghilterra, nel rispetto di tutte le norme igieniche, sanitarie e costruttive**

Tecnologia filtrante BRITA – Per garantire le migliori prestazioni possibili Ebac ha collaborato con BRITA,, gli esperti di filtrazione dell'acqua. SlimCool ™ utilizza le migliori prestazioni di BRITA MAXTRA ™ filtro a cartuccia. MAXTRA ™ è all'avanguardia della tecnologia di filtraggio, garantendo la riduzione del 20% in più del calcare rispetto alle normali caraffe filtranti, con un processo di filtrazione a 4 passaggi. Il risultato è una grande degustazione di acqua, pulita e chiara che vi piacerà.

Igiene massimo – SlimCool™ è dotato di una soluzione Ebac brevettata chiamata WaterTrail ™ per offrire la massima igiene. Invece di usare metodi di sanificazione chimici, la ™ WaterTrail (e tutte le altre parti che vengono a contatto con l'acqua potabile), vengono semplicemente sostituiti ogni 6 mesi. Il serbatoio dell'acqua può semplicemente essere lavato in acqua calda e sapone o anche in lavastoviglie.

> "Stiamo usando uno SlimCool Ebac dalla scorsa estate e abbiamo scoperto ben presto che l'intera famiglia stava bevendo più acqua che bevande gassate. Abbiamo risparmiato soldi, per non parlare lo spazio nel nostro frigorifero, che non è più pieno di bottiglie d'acqua"
> la famiglia Clayton da Crawley (UK)

Contatore elettronico utilizzo

Un display visivo contribuisce a garantire la filtrazione ottimale contando i giorni fino alla prossima sostituzione del filtro BRITA MAXTRA

Grande capacità del serbatoio

Una capacità totale di 7 litri è molto più grande di qualsiasi caraffa filtrante, puoi riempire il tuo SlimCool ™solo una volta al giorno. Poiché 2,2 litri di acqua refrigerata sono nel radiatore, fino a quando si mantiene la vasca piena, avrete sempre una costante fornitura di acqua refrigerata

Egrogatore a leve

Un dito è tutto ciò è necessario per erogare un bicchiere d'acqua fresca. Ci sono due leve - una per il freddo e uno per l'acqua a temperatura ambiente, oppure si possono premere entrambi per un mix perfetto.

Ugelli di erogazione

Per la pace della mente e la massima igiene, gli ugelli di erogazione dello il SlimCool ™sono ricoperti da uno strato protettivo per evitare che le dita toccando il reale punto di erogazione di acqua potabile.

Base di appoggio regolabile

Detiene saldamente la vostra tazza o un bicchiere al livello che preferite. basta un dito per regolarlo
La stazione tazza può essere regolata per ospitare grandi contenitori come brocche e bottiglie.

Cavi retraibili

Niente fili disordinati che potrebbero causare incidenti. Il Cavo in eccesso viene ritirato all'interno della base.

Piccolo e con stile

Con il suo design elegante, una scelta di colori moderni e un diametro compatto di soli 20cm, lo SlimCool ™ sarà grande in cucina o in qualsiasi altro ambiente.

Colori:

Lo SlimCool ™ è disponibile in una gamma di 4 colori accattivanti, per inserirsi in qualsiasi ambiente è disponibile in: Argento, faggio, grafite ,bianco Crema. I pannelli colorati sono intercambiabili per permettervi di variare colorazione semplicemente.

crema con pannelli in faggio

grafite con pannelli argento

grafite con pannelli grafite

crema con pannelli color crema