

**WITH BRITA**  
**I GET PURE**  
**ENJOYMENT**  
**FROM COFFEE**

## Coffee applications

Professional water optimisation for  
the preparation of speciality coffee



# WITH BRITA I GET THE BEST WATER FOR MY COFFEE



## Filter management app

Download our free of charge BRITA Professional FilterManager app and get a reminder for your next filter exchange – automatically, wherever you are.

For smartphone and tablets.

For more information please visit: [professional.brita.net/app](http://professional.brita.net/app)



## From water experts for coffee experts

There is scarcely anything in the western world that is as strictly controlled as drinking water. Nevertheless, it is sensible, both from quality and functionality perspectives, to optimise the water for the respective application when preparing coffee. Ideally, water used in coffee requires a balance of minerals such as calcium and magnesium, sufficient total hardness and a necessary, small level of carbonate hardness. Only in this way can coffee fully develop its aroma, the crema lasts longer and further ingredients such as milk or cream can distribute themselves evenly.

BRITA Professional water filters face various challenges.

### The first challenge – Water hardness

Depending on the hardness level of the water used, lime-scale and gypsum residues build up in high-quality machines and may affect their function. BRITA Professional filters reliably reduce these elements in the water to reduce this risk.

### The second challenge – Aroma and taste.

In large parts of the world, including the UK, disinfection of drinking water with chlorine is widespread. Even the smallest amounts have a negative effect on the taste and aroma of coffee. There is a bitter after-taste and the fine aromas of the coffee are masked. With BRITA Professional filters, these unwanted elements are consistently reduced.

### The third challenge – Coarse and fine particles

Most drinking water contains coarse and fine particles which can not only negatively affect the quality of drinks, they can also affect the functional reliability of the machines used. Special materials in the BRITA Professional filters retain these particles and protect high-quality machines, ultimately saving cost.





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Whether classic coffee, fashionable or espresso specialties, coffee always consists of a high percentage of water and therefore the taste is linked directly with it. BRITA Professional water filters help get optimal coffee water out of drinking water, which makes the certain difference regarding taste and function.

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The filters not only increase the quality of the end products but also the profitability. The running time of machines can be increased and additional repair and maintenance costs reduced.



**WITH BRITA  
MY COFFEE  
SIMPLY TASTES  
SPECIAL**



**IntelliBypass® technology**

A largely volumetric-flow independent by-pass water proportion ensures constant water quality, also for low flow rates (e.g. for small-volume drinks such as espresso).

The IntelliBypass® supports:

- Consistently high water quality
- Highest quality taste by improving the development of the aromas of food and drinks
- Reliable machine protection and the reduction of additional repair costs



	PURITY C Quell ST					PURITY Quell ST		
	C50	C150	C300	C500	C1100	450	600	1200
Capacity <sup>1</sup> with a carbonate hardness of 10°dH Bypass setting 40% – PURITY C Quell ST and PURITY Quell ST								
Capacity <sup>1</sup> with a total hardness of 10°dH Bypass setting 0% <sup>2</sup> – PURITY Finest C500 and PURITY Finest	660l	1,656l	2,750l	4,675l	7,906l	4,217l	7,207l	13,187l
Capacity <sup>1</sup> PURITY Fresh C50								
Max. operating pressure	8.6bar					6.9bar		
Operating/water temperature	4–30°C					4–30°C		
Flow at 1 bar pressure loss	max. 160l/h					max. 350l/h		
Nominal flow	60l/h			100l/h		60l/h	120l/h	
Pressure loss at nominal flow	0.25bar			0.5bar		max. 0.12bar	max. 0.36bar	max. 0.32bar
Dimensions (w/d/h) with filter head	119/108/265mm	117/104/417mm	125/119/464mm	149/149/553mm	184/184/553mm	408/249mm	520/249mm	550/288mm
Dimensions (height/width) – PURITY Quell ST, PURITY Finest								
Weight (dry/wet)	1.0/1.6kg	1.8/2.8kg	2.8/4.2kg	4.6/6.9kg	7.7/12.5kg	10/12kg	12/15kg	18/24kg
Connections (input/output)	G3/8" or John Guest 8mm					G1"/G3/4"		
Operating position	horizontal and vertical							
Operation	use after inhouse softening units possible							
Certificates	TÜV, ACS, WRAS, SVGW, VA, Watermark, SINTEF, Gost, KTW tested**							

<sup>1</sup> The capacities given have been tested and calculated on the basis of normal application and machine conditions. Due to external influences (e.g. variations in raw water quality and/or machine type), deviations from these results can occur.

<sup>2</sup> PURITY Finest cartridges must be operated with a bypass setting of 0%.

\*\*Applies to all materials in contact with water.

**Technology**  
Decarbonisation

**The ideal solution for those who want the best.**

The PURITY Quell ST uses three and the PURITY C Quell ST five different filter sizes to provide a reliable reduction in the carbonate hardness and thus limescale. They also reduce unwanted elements that affect taste and aroma and as a result provide optimum product quality and long operational life of the machine. At the same time, the PURITY C Quell ST filters impress with their simple handling and fitting even in tight installation conditions. The filters in the PURITY Quell ST series are always the right decision if high flow rates are required.





PURITY Fresh C50	PURITY Finest C500	PURITY Finest	
		600	1200
12,000l	3,414l	4,400l	8,150l
8.6 bar	8.6 bar	6.9 bar	
4–30 °C	4–30 °C	4–30 °C	
160l/h	140l/h	max. 350l/h	
60l/h	100l/h	120l/h	
0,25 bar	0.5 bar	0.36 bar	0.32 bar
119/108/265 mm	149/149/553 mm	520/249 mm	550/288 mm
0.7/1.5 kg	4.6/6.9 kg	12/15 kg	18/24 kg
G 3/8" or John Guest 8mm	G 3/8" or John Guest 8mm	G 1"/G 3/4"	
horizontal and vertical	vertical	vertical	
–	–	–	
TÜV, ACS, WRAS, KTW tested**	TÜV, ACS, WRAS, KTW tested**	TÜV, ACS, WRAS, Gost, KTW tested**	

	AquaAroma	AquaAroma Crema
Diameter (AquaAroma) resp. Dimensions (w/d/h AquaAroma Crema)	89,6 mm	42,8/106,9/60,8 mm
Operating/water temperature	4 °C–30 °C	4 °C–30 °C
Capacity***	81–242l	80–220l
Capacity in cups 130ml – AquaAroma resp. 35ml – AquaAroma Crema	620–1,860	2,300–6,300
Capacity in cups 150 ml	560–1,610	540–1,470

\*\*\* In consideration of the local carbonate hardness.

## Technology

Activated carbon filtration

As well as optimising the quality of water, BRITA Professional filters ensure machines are also protected. In this way, the majority of the negative influences that can be caused by water properties are eliminated.

The PURITY Fresh C50 was specially developed for soft water areas with high particle densities. The activated carbon mixture reduces unwanted aroma and taste elements and works to reliably keep out particles from the machine which provides a clear, fresh taste.

## Technology

Softening

The ideal solution for those who want to offer their customers a unique espresso experience.

PURITY Finest optimised water, with its ideal mineral composition, releases the typical aromas from the coffee beans and thus supports the development of the authentic espresso taste. In addition, the water allows a stable crema with a colour and consistency previously unachieved, making the espresso and espresso based coffee specialities a particular pleasure. At the same time, the PURITY Finest C500 filter impresses with its simple handling and assembly even in tight installation conditions. The filters in the PURITY Finest series are always the right decision if high flow rates are required.

## Technology

Decarbonisation

Cartridge for coffee machines with Tank-in-Tank system (gravity or suction operation) Flexible use directly in the water tank.

AquaAroma filter cartridges are suitable for flexible use directly in the water tank in the specially designed or retro-fitted tank system, and for mobile coffee machines with integrated water tank.

Only drinking quality water may be used as the water supply for BRITA water filters.

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