Professional solutions for your water optimization

BRITA Professional Filter

IntelliBypass® Technology

Irrespective of water pressure or flow rate, ensures constant water quality.

The IntelliBypass® supports:

Consistently high water quality

The best taste by improving the development of the aromas of food and drinks

Machine protection and, as a result, a reduction in additional repair cost

BRITA Recycling Program

Environmental protection and recycling are part of the BRITA corporate philosophy. As early as 1992, we established a recycling program for our filter cartridges – the first in our industry. Our plant in Taunusstein, Germany, processes cartridges from both the hospitality industry and private households.

Learn more about the BRITA Recycling program: brita.co.uk/recycling-professional

Energy Saving

Reduce your energy costs by using a BRITA decarbonisation filter. When a machine suffers with limescale build up it requires more time and energy to heat water. Just 1mm of scale built up causes around 7% higher energy costs.

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Certifications

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

Overview of our products

Product	PURITY C Quell ST	PURITY C Finest	PURITY C Steam	PURITY C XtraSafe	PURITY C Clean / Clean Extra	PURITY C50 Fresh	PURITY C500 MinUp	PURITY C1000 AC	PURITY S100 Hygiene
Sizes	C50, C150, C300, C500, C1100	C150, C300, C500, C1100	C500, C1100	C1100	C1100	C50	C500	C1000	S100
Capacity / operational life	960 - 11,500 l	1,100 - 6,000 l	4,675 - 7,907 l	Capacity varies by situation	9,000 l (Clean) / 3,200 l (Clean Extra)	C50	C500	C1000	11,500 l
Available as PURITY C iQ	iQ	iQ			iQ	iQ		iQ	
Application									
Coffee Machines & Tea	•	•		•		•	•		
Vending Machines	•	•		•		•			
Baking Ovens & Combi Steamers			•	•					
Dishwashers					•				
Ice Machines & Dispensers								•	•
Benefits									
Reduction of limescale deposits	•	•	•	•	• (both)				
Reduction of gypsum deposits		•		•	• (Clean Extra)				
Reducing the risk of corrosion				•					
Improved taste and odour	•	•	•	•		•	•	•	•
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Overview of our products

Product	PURITY Quell ST	PURITY Steam	PURITY Clean	PURITY Clean Extra	PROGUARD Gastronomy	PROGUARD Coffee	AquaGusto	AquaAroma / AquaAroma Crema
Sizes	450, 600, 1200	450, 600, 1200	1200	1200	200	50, 300, 500, 1100	100, 250	
Capacity / operational life	4,217 – 13,187 l	3,680 – 10,800 l	12,000 l	5,000 l	High flow, high capcity filter solution	Capacity varies by situation	100 – 250 l or 6 months	81 – 242 l / 80 – 230 l
Application								
Coffee Machines & Tea	•					•	•	•
Vending Machines	•						•	•
Baking Ovens & Combi Steamers		•			•			
Dishwashers			•	•	•			
Ice Machines & Dispensers								
Benefits								
Reduction of limescale deposits	•	•	•	•	•	•	•	•
Reduction of gypsum deposits				•	•	•		
Reducing the risk of corrosion				•	•	•		
Improved taste and odour	•	•			•	•	•	•
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Introducing BRITA iQ Technology

Effortless filter management – anywhere, anytime

Consistent water quality is key to smooth operations, happy customers and sustainable business success. That's why we developed BRITA iQ Technology – a game changer for your business.

Our goal is to give you peace of mind by making your filter management effortless, no matter how many machines or sites you manage.

The challenges behind the scenes

Managing your filters can be quite complex: Varying water quality, incorrect settings, and missed filter changes can lead to costly downtime and unnecessary service calls. Add rising costs and a shortage of skilled technicians, and the pressure grows. That's why businesses need smart, reliable solutions to keep operations running smoothly.

That's where BRITA iQ Technology comes in – turning complexity into simplicity.

Using real-time data, it gives you clear visibility into all the information you need to make smarter decisions and keep your machines running through proactive maintenance.

BRITA's iQ range: 2 enablers, 1 intelligent system

BRITA iQ Portal – your digital command centre

Imagine having every filter in your operation connected, monitored, and optimised – all from one intuitive platform. That's the power of the BRITA iQ Portal.

Our iQ Portal brings everything together in one platform:

- Real-time insights into filter performance and service life
- Anywhere, anytime access for maximum flexibility
- Efficient planning for service visits and filter changes

With the iQ Portal, you can optimise filter usage, reduce downtime, and plan efficiently. The result? Lower costs, sustainable operations, and complete peace of mind.

PURITY C iQ

The first data-driven, intelligent filtration system

PURITY C iQ is a smart filtration system combining a filter, an intelligent filter head, and the cloud-based BRITA iQ Portal.

Measuring, analysing, adapting – PURITY C iQ takes the guesswork out of water management. Its intelligent sensor technology continuously measures raw water quality and automatically adjusts the bypass settings to maintain the defined carbonate hardness, even during ongoing operation.

Paired with the BRITA iQ Portal, you get full visibility of all registered iQ filters across locations, delivering accurate performance data for efficient service planning and timely filter replacement. The result: optimised operations, less downtime, and total peace of mind.

How PURITY C iQ can boost your business success:

The PURITY C iQ manages your water quality seamlessly, delivering consistent results and keeping your business running without interruptions.

Detects changes in raw water and automatically adjusts filter settings for consistent cup quality.

Provides real-time data through the iQ Portal for optimally scheduled service visits and maintenance.

Smart features safeguard your equipment against limescale for improved machine protection.

PURITY C iQ Quell ST / C iQ Finest / C iQ Fresh / C1000 iQ AC	
Dimensions	121 x 98 x 105 mm
Installation position	horizontal* and vertical
Flow range	0.1 - 2 l/min
Operating pressure	2 - 8.6 bar
Loss of pressure	0.1 - 1.1 bar
Drinking water input temperature	4 - 30 °C
Ambient temperature	4 - 40 °C
Storage/transport temperature	-20 - 50 °C
Filter head protection class	IPX4
USB cable length	Max. 2 m
Input connector	G 3/8"
Output connector	G 3/8"
Rated current	5 VDC/500 mA (USB 2.0 compliant)
Mains adapter	100-240 V, 50/60 Hz, 0.3 A, max. Output 5 W (5 VDC/1 A)

For filtration capacities please refer to the capacity tables for BRITA PURITY C cartridges
* only PURITY C iQ Quell ST

iQ Meter

Smart filter management for your entire portfolio

The iQ Meter is an intelligent solution for coffee, vending, and gastronomy businesses that want to make their filter management simple, cost-effective, and future-ready.

It transforms any PURITY C or PURITY filter into a smart component of your digital portfolio – giving you real-time insights and full control.

Compatible with all BRITA PURITY C & PURITY filters

Why choose the iQ Meter?

Smarter service planning:
By monitoring actual water consumption, the iQ Meter enables precise filter replacement scheduling. Filters are changed exactly when needed – not too early, not too late.

Real-time transparency:
Seamlessly integrated into the BRITA iQ Portal, the iQ Meter provides a real-time overview of all connected filters across locations. This means service visits can be planned efficiently, eliminating unnecessary on-site checks.

Universal compatibility:
Works with all BRITA PURITY C and PURITY systems, making it the flexible choice for any setup.

Technical data	iQ Meter 10-100	iQ Meter 100-700
Communication Unit	80 x 80 x 32 mm	
Sensor	80 x 50 x 26 mm	97 x 50 x 33 mm
Orientation	horizontal / horizontal / horizontale / orizzontale / horizontal	
Flow range	10 - 100 l/h	100 - 700 l/h
Deviation	+/- max. 5%	
Operating pressure	max. 8.6 bar	
Pressure loss	100 l/h: ca. 0.3 bar	700 l/h: ca. 1.1 bar
Intake temperature drinking water	4 - 30 °C	
Intake temperature not drinking water	-	4 - 60 °C
Ambient temperature	4 - 40°C	0 - 60 °C
Battery	3.6 V AA Lithium Battery (e.g. Fanso ER14505M)	
Degree of protection communication unit	IPX4	
Degree of protection sensor	IPX8	
Cable length	max. 1.5 m	
Inlet connection	G 3/8" Union nut	G 3/4" with o-ring seal
Outlet connection	G 3/8"	G 3/4" Union nut

Your benefits at a glance

- Fully integrated in the BRITA iQ Portal
- Battery powered – up to 5-year battery lifetime*
- Plug and play mobile network connection (4G)

* External factors such as low temperatures and poor network reception may reduce battery lifetime.

Product comparison

PURITY C iQ Filter Head vs. BRITA iQ Meter

Both PURITY C iQ and iQ Meter bring smart technology to filter management – each designed for different needs.

	PURITY C iQ	iQ Meter
		
Online filter management	✓	✓
Cartridge change reminder	✓	✓
Volume & remaining capacity	✓	✓
Remaining running time	✓	✓
Installation date	Automatic	Manual
Water consumption of the last week	✓	✓
Last activity	✓	✓
Automatic water analysis	✓	✗
Automatic cartridge detection	✓	✗
Automatic adjustment for changing water quality	✓	✗
Online blending adjustment possible	✓	✗
Power supply	Main adapter	Battery operation

PURITY C Quell ST

The ideal solution for all those who want to fulfill the highest quality expectations

The PURITY C Quell ST, with five different filter sizes, stands for a reliable reduction in carbonate hardness and therefore in substances leading to limescale deposits. In addition, it reduces unwanted taste and aroma elements and particles, thereby ensuring optimum product quality and long operational life of the machine. At the same time, the PURITY C Quell ST filters stand out with their simple handling and fitting even in tight installation conditions.

All sizes also available for PURITY C iQ.

PURITY C Quell ST	C50	C150	C300	C500	C1100
Technology	Decarbonisation				
Filter head PURITY C 0–70 % with variable bypass					
Capacity[1] with a carbonate hardness of 10 °dH Coffee/espresso/vending machines (bypass setting 40 %)	960 l	2,408 l	4,000 l	6,800 l	11,500 l
Filter head PURITY C 30 % with fixed bypass					
Capacity[1] with a carbonate hardness of 10 °dH	831 l	2,086 l	3,464 l	5,889 l	9,960 l
Filter head PURITY C 0 % with fixed bypass					
Capacity[1] with a carbonate hardness of 10 °dH	600 l	1,505 l	2,500 l	4,250 l	7,188 l

Comparable capacity according to DIN 18879-1:2007: The comparable capacity is a standardised indicator to facilitate comparison of different filters. The comparable capacity is determined under extreme conditions. Normally the usable capacity in practical operation is clearly higher than the comparable capacity and may vary greatly depending on the usage conditions.

Comparable capacity	435 l	1,278 l	2,066 l	4,125 l	8,670 l
Max. operating pressure	8.6 bar				
Water intake temperature	4 – 30 °C				
Flow rate with 1 bar pressure loss	160 l/h	145 l/h	140 l/h		150 l/h
Nominal flow	60 l/h			100 l/h	
Pressure loss at nominal flow	0.25 bar			0.5 bar	
Dimensions (W/D/H) with filter head	119/108/ 268 mm	117/104/ 419 mm	125/119/ 466 mm	144/144/ 557 mm	184/184/ 557 mm
Weight (dry/wet)	1.0/1.6 kg	1.8/2.8 kg	2.8/4.2 kg	4.6/6.9 kg	7.7/12.5 kg
Connections (input/output)	G 3/8“ or John Guest 8 mm				
Operating position	horizontal and vertical				
Operation	use after inhouse softening units possible				

[1] 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.

You can find further bypass and capacity information on pages 54 – 59.

PURITY C Finest

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

PURITY C Finest optimised water, with its ideal mineral composition, releases the typical aromas from the ground coffee beans and supports the development of the authentic espresso taste. In addition, the water ensures a stable crema with a colour and consistency not previously achieved, making the espresso and coffee specialities a particular pleasure. At the same time, the PURITY C Finest filter stands out with its simple handling and fitting – even in tight installation conditions.

All sizes also available for PURITY C iQ.

PURITY C Finest	C150	C300	C500	C1100
Technology	Softening			
Capacity[1] with a total hardness of 10 °dH and 0% bypass[2]	1,100 l	1,800 l	3,414 l	6,000 l
Max. operating pressure	8.6 bar			
Water intake temperature	4 – 30 °C			
Flow rate with 1 bar pressure loss	145 l/h	140 l/h	140 l/h	150 l/h
Nominal flow	60 l/h		100 l/h	
Pressure loss at nominal flow	0.25 bar		0.5 bar	
Dimensions (W/D/H) Filter head with filter cartridge	117/104/419 mm	125/119/466 mm	144/144/557 mm	184/184/557 mm
Weight (dry/wet)	1.8/2.8 kg	2.8/4.2 kg	4.6/6.9 kg	7.7/12.5 kg
Connections (input/output)	G 3/8“ or John Guest 8 mm			
Operating position	vertical			

[1] 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.
[2] PURITY C Finest cartridges must be operated with a bypass setting of 0 %.

You can find further bypass and capacity information on page 61.

PURITY C Steam

Proven technology re-invented for small to mid-sized steamers and conventional baking ovens

The PURITY C Steam filter cartridges, specially developed for small to medium-sized combi steamers and ovens, reduce carbonate hardness in drinking water and, as a result, prevent limescale formation in equipment. In addition, the filter medium retains metal ions such as lead or copper and reduces substances, for example chlorine, that can negatively affect taste and aroma.

PURITY C Steam	C500	C1100
Technology	Decarbonisation	
Capacity[1] combi steamers/ovens (at a carbonate hardness of 10 °dH and a bypass setting of 1)	4,675 l	7,907 l
Bypass setting	Position 0: All devices in areas with an extremely high water hardness level (CH ≥ 22 °dH) Position 1: Combi ovens and conventional ovens with direct injection system Position 2: Combi ovens and conventional ovens with boiler system Position 3: All devices in soft water areas (CH ≤ 7 °dH)	
Operating pressure	2 bar to max. 8.6 bar	
Water intake temperature	4 – 30 °C	
Flow with 1 bar pressure loss	300 l/h	
Nominal flow	100 l/h	
Pressure loss at nominal flow	0.1 bar	0.2 bar
Dimensions (W/D/H) with filter head	144 / 144 / 557 mm	184 / 184 / 557 mm
Weight (dry/wet)	4.6 / 6.9 kg	7.7 / 12.5 kg
Water inlet and outlet connections	G 3/8“	
Operating position	horizontal and vertical	
Operation	use after inhouse softening units possible	

[1] 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.

You can find further bypass and capacity information on page 61.

PURITY C1100 XtraSafe

A dual defence against corrosive water for steaming and coffee-making equipment

Water high in salts and gypsum can damage valuable steaming and coffee-making equipment, and increase maintenance effort.

PURITY C1100 XtraSafe delivers targeted protection against chlorides, sulphates and gypsum found in mains water in certain regions. It employs an effective five-step filtration process, including dual ion exchangers, to realiably improve your water.

PURITY C XtraSafe	C1100
Technology	Total demineralisation
Capacity[1]	User-specific capacity calculation via BRITA Professional Filter Service App
Operating pressure	2 bar – max. 8.6 bar
Water intake temperature	4–30 °C
Water inlet and outlet connections	G 3/8" or John Guest 8 mm
Flow rate with 1 bar pressure loss	300 l/h
Nominal flow	100 l/h
Pressure loss at nominal flow	0.2 bar
Weight (dry/wet)	7.7/12.5 kg
Dimensions (W/D/H) of filter system	184/184/557 mm
Dimensions (W/D/H) of filter cartridge	184/184/548 mm
Operating position	vertical
Cartridges and filter heads	**Order number**
PURITY C1100 XtraSafe	1043056 (Pack 1)
Filter head 0-70 % G3/8"	1013637 (Pack 1)
Filter head 0-70 % JG 8*	1013636 (Pack 1)
Filter head PURITY C Steam G3/8"	1023325 (Pack 1)
Accessories	**Order number**
BRITA FlowMeter 10–100	1033041 (Pack 1)
Total and temporary hardness test kit	710403
Conductivity meter case	1034799

Corresponding hoses and hose sets from our comprehensive FlexConnect range as well as other accessories can be found in our price list.

[1] 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.

User-specific capacity calculation and bypass recommendation via BRITA Professional Filter Service App.

PURITY C1100 Clean & PURITY C1100 Clean Extra

Shiny-clean and streak-free dishware

PURITY C Clean and PURITY C Clean Extra were specially developed for undercounter dishwashers, such as those typically used in bistros, bars, smaller restaurants and clubhouses. Both filters decrease water hardness, thereby reduce deposits and ensure shiny-clean glasses, cutlery and crockery – straight from the dishwasher – with no need for hand polishing.

While PURITY C Clean delivers good cleaning results for everyday needs, PURITY C Clean Extra meets the highest demands with superior performance and brilliant shine. Both filters help extend the lifetime of your dishwasher, reduce maintenance costs and are easy to install and replace.

	PURITY C1100 Clean	PURITY C1100 Clean Extra
Technology	Partial demineralisation	Total demineralisation
Capacity[1] at a carbonate (temporary) hardness of 10 °dH (0 % bypass)	9,000 l	–
Capacity1 at a total hardness of 10 °dH (0 % bypass)	–	3,200 l
Water inlet temperature and corresponding operating pressure	Cold inlet water: 4 - 30°C at 2 - 8.6 bar Warm inlet water: 31 - 60°C at 2 - 6 bar	
Flow rate with 1 bar pressure loss	300 l/h	
Dimensions (height / width)	557 x 184 mm	
Weight (dry / wet)	7.7 / 12.5 kg	
Operating position	horizontal and vertical	vertical
Operation after softening unit	Possible (capacity loss of 30%)	Not possible
Filter system	Order number	
Filter cartridge	1058679	1058682
Filter head 0-3 G3/8" male thread	1023325	

Accessories	Order number	Accessories	Order number
FlowMeter 100-700 G3/4" FT[2] x G3/4" MT[3]	1033042	Reducer G3/8" FT x G3/4" MT (Pack 2)	1000898
iQ Meter 100-700 G3/4" FT x G3/4" MT	1057523	Carbonate (temporary) hardness test kit	710800
Back flow preventer G3/8" FT x G3/8" MT (Pack 3)	1000639	Total hardness test kit	536754
Bend G3/8" FT x G3/8" MT	1007740	Filter head set 0-3 PURITY C	1026234

Appropriate hoses and hose sets from our comprehensive FlexConnect range as well as other accessories can be found in our price list.

Recommended guidelines for the use of partial and total demineralisation

	Partial demineralisation	Total demineralisation
	Conductivity[4]	
Glasses	< 300 µS/cm	> 300 µS/cm
Cutlery	< 80 µS/cm	> 80 µS/cm
Crockery	generally recommended	not necessary

[1] 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.
[2] FT = female thread | [3] MT = male thread
[4] Recommendation based on the proportion of conductivity in the tap water that is not caused by carbonate hardness.
Formula: Conductivity of the (unfiltered) tap water$_{(in\ °dH)}$ – (carbonate hardness of the unfiltered tap water$_{(in\ °dH)}$*30). Compare the result with the recommended limits.

Only water of drinking quality may be used as inlet water for BRITA water filters.

PURITY C50 Fresh

Along with the optimised quality of the water, the machine is also protected and a large proportion of the negative influences caused by the properties of the water can be eliminated

The PURITY C50 Fresh was specifically developed for soft water areas with high particle densities. The activated carbon mixture reliably retains these particles from the machine and end product – thus ensuring a clear, fresh taste.

All sizes also available for PURITY C iQ.

PURITY C50 Fresh	C50
Technology	Activated carbon filtration
Capacity[1]	15,000 l
Max. operating pressure	8.6 bar
Water intake temperature	4 – 30 °C
Flow rate with 1 bar pressure loss	160 l/h
Nominal flow	60 l/h
Pressure loss at nominal flow	0.25 bar
Empty filter cartridge volume	1 l
Dimensions (W/D/H) with filter head	119/108/268 mm
Weight (dry/wet)	0.8/1.7 kg
Connections (input/output)	G 3/8“ or John Guest 8 mm
Operating position	horizontal and vertical

[1] 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.

PURITY C500 MinUp

Innovative mineralisation for regions with very soft water

PURITY C500 MinUp is a cartridge specially designed for regions with very soft water (carbonate hardness (CH) ≤ 3°dH).
It is combined with the PURITY C Quell ST pre-filter – which ensures the reliable release of minerals from the cartridge.
This creates a solution that delivers continuous mineralisation of water by dissolving calcium to achieve the desired carbonate hardness. The result is consistently delicious coffee with a fully developed aroma.

PURITY C500 MinUp	C500
Technology	Mineralisation
Bypass setting	0 %
Capacity[1]	30,000 l
Operating pressure	2 bar – 8.6 bar
Water intake temperature	4 – 30 °C
Nominal flow	20 l/h
Pressure loss at nominal flow	0.1 bar
Dimensions (W/D/H) with filter head	144/144/557 mm
Weight (dry/wet)	7.6/10.1 kg
Water inlet and outlet connections	G 3/8“ or John Guest 8mm
Operating position	vertical only

[1] The values for capacity have been tested and calculated on the basis of normal use and operating conditions, and water with a carbonate hardness of 3°dH. Due to external in uences (e.g. variations in machine type), actual results may deviate.

PURITY C1000 AC

The optimum filter medium for water dispensers

The PURITY C1000 AC, with the fine pores in its activated carbon block, filters unwanted taste and aroma elements from the water; in particular, small particles down to 0.5 µm in accordance with NSF standard 42, as well as any contamination caused by the installation.

All sizes also available for PURITY C iQ.

PURITY C1000 AC	C1000
Technology	Activated carbon filtration
Capacity[1]	10,000 l
Max. operating pressure	8.6 bar
Water intake temperature	4 – 30 °C
Operating flow range and associated pressure loss	30 – 180 l/h | 0.2 – 1.4 bar
Flow at 1 bar pressure loss	140 l/h
Chlorine reduction	DIN EN 14898 Class 1 (> 90 %) NSF 42
Particle retention	NSF 42 Class I (0,5 µm)
Reduction of asbestos fibres	> 99.9 %[2]
Reduction of pharmaceuticals, pesticides and hormones	> 90 % up to at least 8,000 l[2]
Reduction of total PFAS	> 99% I NSF/ANSI 53[3]
Reduction of organic impurities such as benzene	> 90 %[2]
Dimensions (W/D/H) with filter head	109/93/238 mm
Weight (dry/wet)	0.5/1.0 kg
Connections (input/output)	G 3/8“ or John Guest 8 mm
Operating position	horizontal and vertical

[1] 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.

[2] Tested & verified by independent laboratory testing.

PURITY S100 Hygiene

Reliably safe, deliciously refreshing water – every time

We designed the PURITY S100 Hygiene filter for dispensers in hygiene-sensitive environments. For the public sector, for healthcare and hospitality where regulations require bacterial protection. You can be confident that PURITY S100 Hygiene provides reliable protection against bacteria and cysts and consistent retention of particles ≥ 0.15 µm, based on the nominal pore size of its hollow fibre membrane.

PURITY S100 Hygiene adds an extra level of safety where hygiene is of the utmost importance.

PURITY S100 Hygiene	
Technology	Activated carbon and hollow fiber membrane filtration
Capacity[1]	11,500 l
Operating pressure	2 bar to 8.6 bar
Water intake temperature	4 - 30 °C
Operating flow range and associated pressure loss	40 l/h to 220 l/h 0.2 bar to 1.6 bar
Flow rate with 1 bar pressure loss	180 l/h
Reduction of chlorine	> 90% (DIN EN 14898, Class I)
Particle retention	≥ 0.5 µm (NSF 42, Class I); 0.15 µm (nominal)
Reduction of asbestos fibres	> 99.9 % (NSF 53 tested by independent laboratory)
Reduction of metals such as lead	> 90 % (DIN EN 14898)
Reduction of organic impurities such as benzene	> 90% (NSF 53 tested by independent laboratory)
Reduction of pharmaceuticals, pesticides and hormones (such as naproxen, lindane, estrone)	> 90% up to at least 8,000 l
Reduction of bacteria	99.999 % (ASTM F838-05)
Reduction of cysts	99.95 % (NSF 53)
Reduction of PFAS	> 99% (NSF 53 tested by independent laboratory)
Dimensions (W/D/H) with filter head	68 x 68 x 338 mm
Weight (dry/wet)	0.5/1.0 kg
Connections (input/output)	JG 5/16“
Operating position	Horizontal or vertical
PURITY S100 Hygiene	Order number
Filter cartridge	1058473 (Pack 1)
Filter head PURITY S	1058479 (Pack 1)
Accessories	Order number
Thread insert JG8-G3/8	1039033 (Pack 2)

[1] 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.

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

PURITY Quell ST

The ideal solution for those who want to fulfil the highest quality expectations

The PURITY Quell ST uses three different filter sizes to provide a reliable reduction in carbonate hardness and therefore in substances forming limescale, as well as unwanted taste and aroma elements and particles. As a result, it ensures optimum product quality and the long operational life of machines. The filters in the PURITY Quell ST series are consistently the right decision if high flow rates are required.

PURITY Quell ST	450	600	1200
Technology	Decarbonisation		
Capacity[1] with a carbonate hardness of 10 °dH Coffee/espresso/vending machines (bypass setting 40 %)	4,217 l	7,207 l	13,187 l

Comparable capacity according to DIN 18879-1:2007: The comparable capacity is a standardised indicator to facilitate comparison of different filters. The comparable capacity is determined under extreme conditions. Normally the usable capacity in practical operation is clearly higher than the comparable capacity and may vary greatly depending on the usage conditions.

Comparable capacity	2,240 l	4,420 l	7,253 l
Max. operating pressure	6.9 bar		
Water intake temperature	4 – 30 °C		
Flow rate with 1 bar pressure loss	350 l/h		
Nominal flow	60 l/h	120 l/h	
Pressure loss at nominal flow	0.12 bar	0.36 bar	0.32 bar
Dimensions (height/width)	408/249 mm	520/249 mm	550/288 mm
Weight (dry/wet)	10/12 kg	12/15 kg	18/24 kg
Connections (input/output)	G 1" | G 3/4"		
Operating position	horizontal and vertical		
Operation	use after inhouse softening units possible		

[1] 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.

You can find further bypass and capacity information on page 64.

PURITY Steam

The ideal solution for preparing unique dishes in machines that work smoothly and provide the highest performance over a long period. Benefit from the bypass setting specifically adapted for different steamers ensuring improved flow performance

The PURITY Steam with its filter media specifically tailored to the requirements of steam cooking and baking, removes ions that cause limescale from the water as well as chlorine and particles. The result is a partial demineralised water of the highest quality. The machines are protected even longer against limescale deposits.

PURITY Steam	450	600	1200
Technology	Decarbonisation		
Capacity[1] with a carbonate hardness of 10 °dH (bypass position 1)	3,680 l	5,771 l	10,800 l
Comparable capacity according to DIN 18879-1:2007: The comparable capacity is a standardised indicator to facilitate comparison of different filters. The comparable capacity is determined under extreme conditions. Normally the usable capacity in practical operation is clearly higher than the comparable capacity and may vary greatly depending on the usage conditions.			
Comparable capacity	2,754 l	4,734 l	9,521 l
Bypass setting	Position 0: All devices in areas with an extremely high water hardness level (CH ≥ 22 °dH) Position 1: Combi ovens and conventional ovens with direct injection system Position 2: Combi ovens and conventional ovens with boiler system Position 3: All devices in soft water areas (CH ≤ 7 °dH)		
Max. operating pressure	6.9 bar		
Water intake temperature	4 – 30 °C		
Flow rate with 1 bar pressure loss	500 l/h		
Nominal flow	120 l/h		
Pressure loss at nominal flow	0.36 bar		
Dimensions (height/width)	408/249 mm	520/249 mm	550/288 mm
Weight (dry/wet)	10/12 kg	12/15 kg	18/24 kg
Connections (input/output)	G 1" | G 3/4"		
Operating position	horizontal and vertical		
Operation	use after inhouse softening units possible		

[1] 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.

You can find further bypass and capacity information on page 65.

PURITY 1200 Clean & PURITY 1200 Clean Extra

The ideal solution for professional washing of cutlery, glass and crockery directly at the bar. For feed water with high carbonate hardness and harmless additional mineral content

The PURITY 1200 Clean removes the ions that cause limescale and particles from the feed water in a targeted way. The result is partially demineralised water for ideal washing results.

While PURITY 1200 Clean Extra removes particles and ions that cause limescale, marks and streaks from the water in a targeted way. The result is total demineralised water for first-class washing results.

	PURITY 1200 Clean	PURITY 1200 Clean Extra
Technology	Partial demineralisation	Total demineralisation
Capacity[1] with a carbonate hardness of 10 °dH (bypass setting 0 %)	12,000 l	5,000 l
Max. operating pressure	6 bar	6 bar
Water intake temperature	4 – 60 °C	4 – 60 °C
Flow rate with 1 bar pressure loss	850 l/h	850 l/h
Nominal flow	300 l/h	300 l/h
Pressure loss at nominal flow	0.45 bar	0.45 bar
Dimensions (height/width)	550/288 mm	550/288 mm
Weight (dry/wet)	18/24 kg	18/24 kg
Connections (input/output)	G 1" | G 3/4"	G 1" | G 3/4"
Operating position	horizontal and vertical	horizontal and vertical

[1] 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.

You can find further bypass and capacity information on page 66-67.

PROGUARD Gastronomy 200

The perfect All-In-One solution for combi steamers, ovens and dishwashers

The PROGUARD Gastronomy 200 is an electrical reverse osmosis system with rotary valve pump, which protects reliable machines from corrosion, limescale and gypsum deposits. Due to its adjustable mineralization the filter system meets the requirements of many applications in professional kitchens. It is characterized by a high performance as well as a powerful flow rate and is able to cover low water demands with peaks to constantly high demands.

PROGUARD Gastronomy	200
Technology	Reverse osmosis, activated carbon filtration
Capacity[1] of pre-filter	500,000 l
Min./ Max. operating pressure	1–6 bar; Maximum inlet pressure: 8.6 bar
Water intake temperature	4 – 35 °C
Flow rate at 25 °C (at 15 °C)	200 l/h (140 l/h)
Water conversion factor	up to 50%
Max. conductivity of raw water	<1500 µS/cm
Power supply	220-240 V / 50 Hz / 250 W
Dimensions (W/D/H) of system	145/410/430 mm
Dimensions (W/D/H) of pre-filter	210/170/410 mm
Weight of system (dry)	16.2 kg
Connections (input/output)	G 3/4“
Operating position	horizontal and vertical

[1] 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.

PROGUARD Coffee

BRITA PROGUARD Coffee is a patented multi-cartridge filtration system designed to ensure delicious coffee, even in regions with challenging water compositions

At its heart is a reverse osmosis (RO) membrane, which provides robust protection against corrosion by effectively removing substances such as chlorides and sulphates.

In addition, pre-filtration, adjustable mineralisation, and post-filtration technologies provide the right water composition for reliably excellent taste. The BRITA TasteSystem offers a choice of up to three mineralisation levels, allowing you to tailor water to your specific needs and preferences.

BRITA PROGUARD Coffee system	
Technology	Reverse osmosis, mineralisation
Capacity	Capacity varies by situation. Corresponding BRITA Professional Filter Service App helps to determine the right pre-filter and settings, and calculates the lifetime of cartridges.
Max. operating pressure	3 – 8.6 bar Below 3 bar, the installation of an electric booster pump is required.
Water intake temperature	4 – 30 °C
Dimensions (width/depth/height)	370/560/620 mm
Weight (dry/wet)	25 kg BRITA PROGUARD Coffee, without cartridges, empty tank / 45 kg BRITA PROGUARD Coffee (wet), with wet cartridges, fully filled tank
Minimum filtrate supply/h	10 l/h at 3 bar mains pressure
Storage tank volume	~6 litres
Water conversion factor	45 %
Connections (inlet/outlet)	Inlet: G 3/4" / Outlet: G 3/8"
Operating position	vertical

BRITA Professional Filter Service App

The Filter Service App is your ideal assistant. This unique, comprehensive tool helps determine the right type and size of filter for your precise needs. It provides detailed installation guidance for service engineers, calculates when cartridges will need replacing – and has a wealth of other, innovative capabilities.

Download for free on Download on the App Store GET IT ON Google Play

Or visit https://professional.brita.net/app

AquaGusto

A practical filter solution for coffee and espresso machines with water tank

Whether in HoReCa or in the office, the BRITA AquaGusto water tank filter will enhance the flavour, aroma and appearance of coffee. And, of course, that also applies to espresso and cappuccino. The filter can be used in almost any coffee machine and reduces limescale deposits. It is impressively simple and quick to operate, and users also benefit from the added filter exchange signal.

AquaGusto	100	250
Technology	Decarbonisation	
Dimensions (width/depth)	85.1/25.8 mm	115.5/32.9 mm
Capacity*/Period of use*	100 l/max. 6 months	250 l/max. 6 months
Water input temperature	4 – 30 °C	
Position in tank	horizontal and vertical	

* The capacities given have been tested and calculated on the basis of normal application and machine conditions. Due to external influences (e.g. varying water quality, usage and / or machine type) deviations from these results can occur.

AquaAroma & AquaAroma Crema

Cartridge for use in coffee machines with Tank Fill system (gravity operation) & an integrated water tank (suction operation)

AquaAroma filter cartridges are suitable for use directly in the water tank in a specially designed or retrofitted tank system, and for mobile coffee machines with an integrated water tank.

In the AquaAroma Crema filter cartridges, the water is sucked through the cartridge. To fix the cartridge in the tank, no additional brackets are required. Various adapter solutions for retrofitting as well as a bracket for the cartridge in coffee machines are available.

	AquaAroma	AquaAroma Crema
Technology	Decarbonisation	
Dimensions Cartridge Pot	89.6 mm (Diameter cartridge pot)/36.2 mm (Height cartridge pot)	42.8/106.9/60.8 mm (W/H/D)
Water intake temperature	4 – 30 °C	
Order number	216000 (Pack 1) | 235600 (Pack 6)	101831 (Pack 1) | 1001368 (Pack 60)

Typical capacity – AquaAroma

Carbonate hardness (KH) of the feed water	Capacity[1]	Cups 35 ml	Cups 150 ml
6 °dH	242 l	6,900	1,610
8 °dH	181 l	5,190	1,210
10 °dH	145 l	4,160	970
12 °dH	120 l	3,470	810
14 °dH	103 l	2,960	690
16 °dH	90 l	2,570	600
18 °dH	81 l	2,310	540

Typical capacity – AquaAroma Crema

Aroma ring setting (bypass)	Carbonate hardness (KH) of the feed water	Capacity[1]	Cups 35 ml	Cups 150 ml
Level A	soft water (6 - 9 °dH)	230 - 160 l	6,570 - 4,570	1,530 - 1,070
Level B	medium hard water (10 - 13 °dH)	150 - 100 l	4,290 - 2,860	1,000 - 670
Level C	hard water (14 - 17 °dH)[2]	90 - 80 l	2,570 - 2,290	600 - 530

Explanatory notes

[1] The capacities given have been tested and calculated on the basis of normal application and machine conditions. Due to external influences (e.g. varying water quality, usage and/or machine type) deviations from these results can occur.
[2] Also recommended for a carbonate hardness >17°dH. Please note, however, that this will result in lower filter capacities.

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

Remote display

With the remote display, the customer can see all operating parameters at any time and has more flexibility in the location of the system

The remote display set increases the convenience of operation and ensures a better overview of the water filtration. Once mounted and connected to the filter system head, the remote unit remains on the wall with the display attached and offers clarity about consumption, settings and replacement dates.

Remote display	
Remote display (L/W/H)	138/48/103 mm
Cable length PURITY remote display	approx. 2 m
Cable length remote display – machine	max. 10 m
Data interface transmission rate	9,600 Baud
Electrical supply	From display unit battery
Switching current	max. 50 m ADC
Degree of protection remote display (only for wall mounting)	IPX 4
Screw size for cover	Torx T6

The remote display can only be used in connection with a filter that is equipped with measurement and display electronics.

FlowMeter

With the FlowMeter, consumption data and replacement dates can be displayed conveniently at eye level

The FlowMeter increases the convenience of operation and ensures a better overview of the water filtration. Once installed, the device remains on the filter head and provides clarity about consumption and replacement dates.

FlowMeter 10 – 100	
Display unit (L/W/H) 62/62/22 mm	Sensor (L/W/H) 80/50/26 mm
Flow range	10 – 100 l/h
Flow deviation	± max. 5 %
Operating pressure	max. 8.6 bar
Pressure loss with flow of 100 l/h	< 0.3 bar
Water intake temperature	4 – 30 °C
Ambient temperature operation/storage/transport	-
Battery	CR2032
Degree of protection display unit (only for wall mounting)	IPX 4
Degree of protection Sensor	IPX 8
Cable length	max. 1.5 m
Inlet connection	G 3/8“ Union nut
Outlet connection	G 3/8“

FlowMeter 100 – 700	
Display unit (L/W/H) 62/62/22 mm	Sensor (L/W/H) 97/50/33 mm
Flow range	100 – 700 l/h
Flow deviation	± max. 5 %
Operating pressure	max. 8.6 bar
Pressure loss with flow of 700 l/h	< 1.1 bar
Water intake temperature	4 – 30 °C
Ambient temperature operation/storage/transport	0 – 60 °C
Battery	CR2032
Degree of protection display unit (only for wall mounting)	IPX 4
Degree of protection Sensor	IPX 8
Cable length	max. 1.5 m
Inlet connection	G 3/4“ with O-ring seal
Outlet connection	G 3/4“ Union nut

Bypass and capacity tables

PURITY C50 Quell ST

filter heads PURITY C 0–70 % with variable bypass

Coffee/espresso machines and vending machines

Carbonate hardness in °dH	Recommended bypass setting in %	PURITY C50 Quell ST			
		Capacity in litres	Cup 130 ml	Cup 150 ml	Cup 180 ml
4	70	1,900	14,615	12,667	10,556
5	70	1,900	14,615	12,667	10,556
6	70	1,900	14,615	12,667	10,556
7	60	1,821	14,011	12,143	10,119
8	50	1,425	10,962	9,500	7,917
9	50	1,267	9,744	8,444	7,037
10	40	960	7,385	6,400	5,333
11	40	873	6,713	5,818	4,848
12	30	693	5,330	4,619	3,849
13	30	640	4,920	4,264	3,553
14	30	594	4,568	3,959	3,299
15	30	554	4,264	3,695	3,079
16	30	520	3,997	3,464	2,887
17	30	489	3,762	3,261	2,717
18	30	462	3,553	3,079	2,566
19	20	387	2,976	2,579	2,149
20	20	368	2,827	2,450	2,042
21	20	350	2,692	2,333	1,944
22	20	334	2,570	2,227	1,856
23	20	320	2,458	2,130	1,775
24	20	306	2,356	2,042	1,701
25	20	294	2,262	1,960	1,633
26	20	283	2,175	1,885	1,571
27	20	272	2,094	1,815	1,512
28	20	263	2,019	1,750	1,458
29	20	253	1,950	1,690	1,408
30	20	245	1,885	1,633	1,361
31	20	237	1,824	1,581	1,317
32	20	230	1,767	1,531	1,276
33	20	223	1,713	1,485	1,237
34	20	216	1,663	1,441	1,201
35	20	210	1,615	1,400	1,167

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.

PURITY C150 Quell ST

filter heads PURITY C 0–70 % with variable bypass

Coffee/espresso machines and vending machines

Carbonate hardness in °dH	Recommended bypass setting in %	PURITY C150 Quell ST			
		Capacity in litres	Cup 130 ml	Cup 150 ml	Cup 180 ml
4	70	4,766	36,660	31,772	26,477
5	70	4,766	36,660	31,772	26,477
6	70	4,766	36,660	31,772	26,477
7	60	4,569	35,144	30,458	25,382
8	50	3,574	27,495	23,829	19,858
9	50	3,177	24,440	21,181	17,651
10	40	2,408	18,523	16,053	13,378
11	40	2,189	16,839	14,594	12,162
12	30	1,738	13,369	11,586	9,655
13	30	1,604	12,340	10,695	8,912
14	30	1,490	11,459	9,931	8,276
15	30	1,390	10,695	9,269	7,724
16	30	1,303	10,026	8,690	7,241
17	30	1,227	9,437	8,178	6,815
18	30	1,159	8,912	7,724	6,437
19	20	970	7,464	6,469	5,391
20	20	922	7,091	6,145	5,121
21	20	878	6,753	5,853	4,877
22	20	838	6,446	5,587	4,656
23	20	802	6,166	5,344	4,453
24	20	768	5,909	5,121	4,268
25	20	737	5,673	4,916	4,097
26	20	709	5,455	4,727	3,939
27	20	683	5,252	4,552	3,793
28	20	658	5,065	4,390	3,658
29	20	636	4,890	4,238	3,532
30	20	615	4,727	4,097	3,414
31	20	595	4,575	3,965	3,304
32	20	576	4,432	3,841	3,201
33	20	559	4,297	3,724	3,104
34	20	542	4,171	3,615	3,012
35	20	527	4,052	3,512	2,926

PURITY C300 Quell ST

filter heads PURITY C 0 – 70 % with variable bypass

Coffee/espresso machines and vending machines

Carbonate hardness in °dH	Recommended bypass setting in %	PURITY C300 Quell ST			
		Capacity in litres	Cup 130 ml	Cup 150 ml	Cup 180 ml
4	70	7,917	60,897	52,778	43,981
5	70	7,917	60,897	52,778	43,981
6	70	7,917	60,897	52,778	43,981
7	60	7,589	58,379	50,595	42,163
8	50	5,938	45,673	39,583	32,986
9	50	5,278	40,598	35,185	29,321
10	40	4,000	30,769	26,667	22,222
11	40	3,636	27,972	24,242	20,202
12	30	2,887	22,207	19,246	16,038
13	30	2,665	20,499	17,766	14,805
14	30	2,474	19,035	16,497	13,747
15	30	2,310	17,766	15,397	12,831
16	30	2,165	16,655	14,435	12,029
17	30	2,038	15,676	13,585	11,321
18	30	1,925	14,805	12,831	10,692
19	20	1,612	12,399	10,746	8,955
20	20	1,531	11,779	10,208	8,507
21	20	1,458	11,218	9,722	8,102
22	20	1,392	10,708	9,280	7,734
23	20	1,332	10,242	8,877	7,397
24	20	1,276	9,816	8,507	7,089
25	20	1,225	9,423	8,167	6,806
26	20	1,178	9,061	7,853	6,544
27	20	1,134	8,725	7,562	6,301
28	20	1,094	8,413	7,292	6,076
29	20	1,056	8,123	7,040	5,867
30	20	1,021	7,853	6,806	5,671
31	20	988	7,599	6,586	5,488
32	20	957	7,362	6,380	5,317
33	20	928	7,139	6,187	5,156
34	20	901	6,929	6,005	5,004
35	20	875	6,731	5,833	4,861

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.

PURITY C500 Quell ST

filter heads PURITY C 0 – 70 % with variable bypass

Coffee/espresso machines and vending machines

Carbonate hardness in °dH	Recommended bypass setting in %	PURITY C500 Quell ST			
		Capacity in litres	Cup 130 ml	Cup 150 ml	Cup 180 ml
4	70	13,458	103,526	89,722	74,769
5	70	13,458	103,526	89,722	74,769
6	70	13,458	103,526	89,722	74,769
7	60	12,902	99,245	86,012	71,677
8	50	10,094	77,644	67,292	56,076
9	50	8,972	69,017	59,815	49,846
10	40	6,800	52,308	45,333	37,778
11	40	6,182	47,552	41,212	34,343
12	30	4,908	37,752	32,718	27,265
13	30	4,530	34,848	30,201	25,168
14	30	4,207	32,359	28,044	23,370
15	30	3,926	30,201	26,175	21,812
16	30	3,681	28,314	24,539	20,449
17	30	3,464	26,648	23,095	19,246
18	30	3,272	25,168	21,812	18,177
19	20	2,740	21,078	18,268	15,223
20	20	2,603	20,024	17,354	14,462
21	20	2,479	19,071	16,528	13,773
22	20	2,366	18,204	15,777	13,147
23	20	2,264	17,412	15,091	12,575
24	20	2,169	16,687	14,462	12,052
25	20	2,083	16,019	13,883	11,569
26	20	2,002	15,403	13,349	11,124
27	20	1,928	14,833	12,855	10,712
28	20	1,859	14,303	12,396	10,330
29	20	1,795	13,810	11,968	9,974
30	20	1,735	13,349	11,569	9,641
31	20	1,679	12,919	11,196	9,330
32	20	1,627	12,515	10,846	9,039
33	20	1,578	12,136	10,518	8,765
34	20	1,531	11,779	10,208	8,507
35	20	1,488	11,442	9,917	8,264

PURITY C1100 Quell ST

filter heads PURITY C 0–70 % with variable bypass

Coffee/espresso machines and vending machines

Carbonate hardness in °dH	Recommended bypass setting in %	PURITY C1100 Quell ST			
		Capacity in litres	Cup 130 ml	Cup 150 ml	Cup 180 ml
4	70	22,760	175,080	151,736	126,447
5	70	22,760	175,080	151,736	126,447
6	70	22,760	175,080	151,736	126,447
7	60	21,819	167,840	145,461	121,218
8	50	17,070	131,310	113,802	94,835
9	50	15,174	116,720	101,157	84,298
10	40	11,500	88,462	76,667	63,889
11	40	10,455	80,420	69,697	58,081
12	30	8,300	63,845	55,332	46,110
13	30	7,661	58,934	51,076	42,563
14	30	7,114	54,724	47,428	39,523
15	30	6,640	51,076	44,266	36,888
16	30	6,225	47,884	41,499	34,583
17	30	5,859	45,067	39,058	32,548
18	30	5,533	42,563	36,888	30,740
19	20	4,634	35,647	30,894	25,745
20	20	4,402	33,864	29,349	24,457
21	20	4,193	32,252	27,951	23,293
22	20	4,002	30,786	26,681	22,234
23	20	3,828	29,447	25,521	21,267
24	20	3,669	28,220	24,457	20,381
25	20	3,522	27,091	23,479	19,566
26	20	3,386	26,049	22,576	18,813
27	20	3,261	25,085	21,740	18,117
28	20	3,145	24,189	20,964	17,470
29	20	3,036	23,355	20,241	16,867
30	20	2,935	22,576	19,566	16,305
31	20	2,840	21,848	18,935	15,779
32	20	2,751	21,165	18,343	15,286
33	20	2,668	20,524	17,787	14,823
34	20	2,590	19,920	17,264	14,387
35	20	2,516	19,351	16,771	13,976

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.

PURITY C Quell ST

filter heads PURITY C with fixed bypass 30 %

Coffee/espresso machines and vending machines

Carbonate hardness in °dH	PURITY C50 Quell ST	PURITY C150 Quell ST	PURITY C300 Quell ST	PURITY C500 Quell ST	PURITY C1100 Quell ST
	Capacity in litres				
4	1,386	3,476	5,774	9,815	16,600
5	1,386	3,476	5,774	9,815	16,600
6	1,386	3,476	5,774	9,815	16,600
7	1,188	2,979	4,949	8,413	14,228
8	1,039	2,607	4,330	7,362	12,450
9	924	2,317	3,849	6,544	11,066
10	831	2,086	3,464	5,889	9,960
11	756	1,896	3,149	5,354	9,054
12	693	1,738	2,887	4,908	8,300
13	640	1,604	2,665	4,530	7,661
14	594	1,490	2,474	4,207	7,114
15	554	1,390	2,310	3,926	6,640
16	520	1,303	2,165	3,681	6,225
17	489	1,227	2,038	3,464	5,859
18	462	1,159	1,925	3,272	5,533
19	438	1,098	1,823	3,100	5,242
20	416	1,043	1,732	2,945	4,980
21	396	993	1,650	2,804	4,743
22	378	948	1,575	2,677	4,527
23	361	907	1,506	2,561	4,330
24	346	869	1,443	2,454	4,150
25	333	834	1,386	2,356	3,984
26	320	802	1,332	2,265	3,831
27	308	772	1,283	2,181	3,689
28	297	745	1,237	2,103	3,557
29	287	719	1,195	2,031	3,434
30	277	695	1,155	1,963	3,320
31	268	673	1,118	1,900	3,213
32	260	652	1,083	1,840	3,112
33	252	632	1,050	1,785	3,018
34	245	613	1,019	1,732	2,929
35	238	596	990	1,683	2,846

PURITY C Finest

Coffee/espresso machines

Total hardness in °dH	Recommended bypass setting in %	C150	C300	C500	C1100
		Capacity in litres			
4	0	1,833	3,000	5,690	10,000
5	0	1,833	3,000	5,690	10,000
6	0	1,833	3,000	5,690	10,000
7	0	1,571	2,571	4,877	8,571
8	0	1,375	2,250	4,268	7,500
9	0	1,222	2,000	3,793	6,667
10	0	1,100	1,800	3,414	6,000
11	0	1,000	1,636	3,104	5,455
12	0	917	1,500	2,845	5,000
13	0	846	1,385	2,626	4,615
14	0	786	1,286	2,439	4,286
15	0	733	1,200	2,276	4,000
16	0	688	1,125	2,134	3,750
17	0	647	1,059	2,008	3,529
18	0	611	1,000	1,897	3,333
19	0	579	947	1,797	3,158
20	0	550	900	1,707	3,000
21	0	524	857	1,626	2,857
22	0	500	818	1,552	2,727
23	0	478	783	1,484	2,609
24	0	458	750	1,423	2,500
25	0	440	720	1,366	2,400
26	0	423	692	1,313	2,308
27	0	407	667	1,264	2,222
28	0	393	643	1,219	2,143
29	0	379	621	1,177	2,069
30	0	367	600	1,138	2,000
31	0	355	581	1,101	1,935
32	0	344	563	1,067	1,875
33	0	333	545	1,035	1,818
34	0	324	529	1,004	1,765
35	0	314	514	975	1,714

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.

PURITY C Steam

Combi steamers/conventional ovens

Carbonate hardness in °dH	C500			C1100		
	Capacity in litres					
	Bypass position					
	0	1/2	3	0	1/2	3
4	7,083	7,792	8,677	11,980	13,178	14,676
5	7,083	7,792	8,677	11,980	13,178	14,676
6	7,083	7,792	8,677	11,980	13,178	14,496
7	6,071	6,679	7,438	10,269	11,295	12,425
8	5,313	5,844	6,508	8,985	9,884	10,872
9	4,722	5,194	5,785	7,987	8,785	9,664
10	4,250	4,675	5,206	7,188	7,907	8,697
11	3,864	4,250	4,733	6,535	7,188	7,907
12	3,542	3,896	4,339	5,990	6,589	7,248
13	3,269	3,596	4,005	5,529	6,082	6,690
14	3,036	3,339	3,719	5,134	5,648	6,212
15	2,833	3,117	3,471	4,792	5,271	5,798
16	2,656	2,922	3,254	4,493	4,942	5,436
17	2,500	2,750	3,063	4,228	4,651	5,116
18	2,361	2,597	2,892	3,993	4,393	4,832
19	2,237	2,461	2,740	3,783	4,161	4,578
20	2,125	2,338	2,603	3,594	3,953	4,349
21	2,024	2,226	2,479	3,423	3,765	4,142
22	1,932	2,125	2,366	3,267	3,594	3,953
23	1,848	2,033	2,264	3,125	3,438	3,782
24	1,771	1,948	2,169	2,995	3,295	3,624
25	1,700	1,870	2,083	2,875	3,163	3,479
26	1,635	1,798	2,002	2,765	3,041	3,345
27	1,574	1,731	1,928	2,662	2,928	3,221
28	1,518	1,670	1,859	2,567	2,824	3,106
29	1,466	1,612	1,795	2,479	2,726	2,999
30	1,417	1,558	1,735	2,396	2,636	2,899
31	1,371	1,508	1,679	2,319	2,551	2,806
32	1,328	1,461	1,627	2,246	2,471	2,718
33	1,288	1,417	1,578	2,178	2,396	2,636
34	1,250	1,375	1,531	2,114	2,326	2,558
35	1,214	1,336	1,488	2,054	2,259	2,485

The following recommendations for by-pass settings apply by default:

Position 0: All devices in areas with an extremely high water hardness level (CH ≥ 22 °dH)
Position 1: Combi ovens and conventional ovens with direct injection system
Position 2: Combi ovens and conventional ovens with boiler system
Position 3: All devices in soft water areas (CH ≤ 7 °dH)

PURITY C1100 Clean / Clean Extra

PURITY C1100 Clean

Carbonate hardness in °dH	Pos. 0	Pos. 2
	Capacity in litres	
4	15,000	16,500
5	15,000	16,500
6	15,000	16,500
7	12,860	14,140
8	11,250	12,380
9	10,000	11,000
10	9,000	9,900
11	8,180	9,000
12	7,500	8,250
13	6,920	7,620
14	6,430	7,070
15	6,000	6,600
16	5,630	6,190
17	5,290	5,820
18	5,000	5,500
19	4,740	5,210
20	4,500	4,950
21	4,290	4,710
23	3,910	4,300
25	3,600	3,960
28	3,210	3,540
31	2,900	3,190
35	2,570	2,830
40	2,250	2,480

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.

PURITY C1100 Clean Extra

Total hardness in °dH	Pos. 0	Pos. 2
	Capacity in litres	
4	5,330	5,870
5	5,330	5,870
6	5,330	5,870
7	4,570	5,030
8	4,000	4,400
9	3,560	3,910
10	3,200	3,520
11	2,910	3,200
12	2,670	2,930
13	2,460	2,710
14	2,290	2,510
15	2,130	2,350
16	2,000	2,200
17	1,880	2,070
18	1,780	1,960
19	1,680	1,850
20	1,600	1,760
21	1,520	1,680
23	1,390	1,530
25	1,280	1,410
28	1,140	1,260
31	1,030	1,140
35	910	1,010
40	800	880

PURITY Quell ST

Coffee/espresso machines and vending machines

Carbonate hardness in °dH	Recommended bypass setting in %	PURITY 450 Quell ST	PURITY 600 Quell ST	PURITY 1200 Quell ST
		Capacity in litres		
4	50	8,250	14,100	25,800
5	50	8,250	14,100	25,800
6	50	8,250	14,100	25,800
7	50	7,071	12,086	22,114
8	50	6,188	10,575	19,350
9	50	5,500	9,400	17,200
10	40	4,217	7,207	13,187
11	40	3,883	6,552	11,988
12	30	3,077	5,260	9,624
13	30	2,841	4,855	8,884
14	30	2,638	4,508	8,249
15	30	2,462	4,208	7,699
16	30	2,308	3,945	7,218
17	30	2,172	3,713	6,793
18	30	2,052	3,506	6,416
19	30	1,944	3,322	6,078
20	20	1,650	2,820	5,160
21	20	1,571	2,686	4,914
22	20	1,500	2,564	4,691
23	20	1,435	2,452	4,487
24	20	1,375	2,350	4,300
25	20	1,320	2,256	4,128
28	20	1,179	2,014	3,686
31	20	1,065	1,819	3,329
35	20	943	1,611	2,949

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.

PURITY Steam

Combi steamers/conventional ovens

Carbonate hardness in °dH	PURITY 450 Steam			PURITY 600 Steam			PURITY 1200 Steam		
	Capacity in litres								
	Bypass position								
	0	1/2	3	0	1/2	3	0	1/2	3
4	5,633	6,134	6,760	8,833	9,619	10,600	16,530	17,999	19,836
5	5,633	6,134	6,760	8,833	9,619	10,600	16,530	17,999	19,836
6	5,633	6,134	6,760	8,833	9,619	10,600	16,530	17,999	19,836
7	4,829	5,258	5,794	7,571	8,244	9,086	14,169	15,428	17,002
8	4,225	4,601	5,070	6,625	7,214	7,950	12,398	13,500	14,877
9	3,756	4,089	4,507	5,889	6,412	7,067	11,020	12,000	13,224
10	3,380	3,680	4,056	5,300	5,771	6,360	9,918	10,800	11,902
11	3,073	3,346	3,687	4,818	5,246	5,782	9,016	9,818	10,820
12	2,817	3,067	3,380	4,417	4,809	5,300	8,265	9,000	9,918
13	2,600	2,831	3,120	4,077	4,439	4,892	7,629	8,307	9,155
14	2,414	2,629	2,897	3,786	4,122	4,543	7,084	7,714	8,501
15	2,253	2,454	2,704	3,533	3,847	4,240	6,612	7,200	7,934
16	2,113	2,300	2,535	3,313	3,607	3,975	6,199	6,750	7,439
17	1,988	2,165	2,386	3,118	3,395	3,741	5,834	6,353	7,001
18	1,878	2,045	2,253	2,944	3,206	3,533	5,510	6,000	6,612
19	1,779	1,937	2,135	2,789	3,037	3,347	5,220	5,684	6,264
20	1,690	1,840	2,028	2,650	2,886	3,180	4,959	5,400	5,951
21	1,610	1,753	1,931	2,524	2,748	3,029	4,723	5,143	5,667
23	1,470	1,600	1,763	2,304	2,509	2,765	4,312	4,695	5,175
25	1,352	1,472	1,622	2,120	2,308	2,544	3,967	4,320	4,761
28	1,207	1,314	1,449	1,893	2,061	2,271	3,542	3,857	4,251
31	1,090	1,187	1,308	1,710	1,862	2,052	3,199	3,484	3,839
35	966	1,052	1,159	1,514	1,649	1,817	2,834	3,086	3,400

The following recommendations for by-pass settings apply by default:

Position 0: All devices in areas with an extremely high water hardness level (CH ≥ 22 °dH)
Position 1: Combi ovens and conventional ovens with direct injection system
Position 2: Combi ovens and conventional ovens with boiler system
Position 3: All devices in soft water areas (CH ≤ 7 °dH)

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,

PURITY 1200 Clean

Dishwashers

Carbonate hardness in °dH	PURITY 1200 Clean	
	Bypass setting 0%	Bypass setting 10%
	Capacity in litres	
4	30,000	32,667
5	24,000	26,133
6	20,000	21,778
7	17,143	18,667
8	15,000	16,333
9	13,333	14,519
10	12,000	13,067
11	10,909	11,879
12	10,000	10,889
13	9,231	10,051
14	8,571	9,333
15	8,000	8,711
16	7,500	8,167
17	7,059	7,686
18	6,667	7,259
19	6,316	6,877
20	6,000	6,533
21	5,714	6,222
23	5,217	5,681
25	4,800	5,227
28	4,286	4,667
31	3,871	4,215
35	3,429	3,733

PURITY 1200 Clean Extra

Dishwashers

Total hardness in °dH	PURITY 1200 Clean Extra	
	Bypass setting 0%	Bypass setting 10%
	Capacity in litres	
4	12,500	13,611
5	10,000	10,889
6	8,333	9,074
7	7,143	7,778
8	6,250	6,806
9	5,556	6,049
10	5,000	5,444
11	4,545	4,949
12	4,167	4,537
13	3,846	4,188
14	3,571	3,889
15	3,333	3,630
16	3,125	3,403
17	2,941	3,203
18	2,778	3,025
19	2,632	2,865
20	2,500	2,722
21	2,381	2,593
23	2,174	2,367
25	2,000	2,178
28	1,786	1,944
31	1,613	1,756
35	1,429	1,556

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.

Certifications

BRITA Professional strives to have all products certified worldwide. As well as the tests required by law, we also voluntarily subject ourselves to quality checks by independent institutions, with the goal of being able to supply you at all times with products that are a guarantee of safety and quality.

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Great Britain and Northern Ireland
Compliance with British Standard 6920 for materials in contact with drinking water.

Italy
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