Filtration and hygiene

Water is H_2O – but not just. Tap water varies greatly from place to place. That's why we have created top-notch filtration solutions for over half a century. We are committed to excellent quality – and to outstanding hygiene. Our features ensure great water, at all times.

The wonder of water

Better water, enhanced well-being.

The water we drink is not just hydrogen and oxygen – it contains minerals and more.

That's because water is a dissolver extraordinaire: When rain falls, it soaks through the ground, gathering organic matter and minerals. This affects its taste, appearance and smell.

Mains water is treated and tested. However, there may be some residues from disinfection, piping, etc. That's where BRITA comes in. The right water composition tastes better, encouraging people to drink more. And hydration is key to health – for better well-being, concentration and productivity.

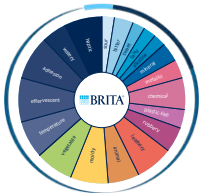
Good hydration is the basis for our body's metabolic processes and for our health. And staying hydrated is easier if water tastes good. That's why BRITA has a special department dedicated to taste.

– Birgit Kohler

Head of BRITA's Organoleptic Department,
certified water sommelier

The water cycle
Water is an outstanding solvent and can contain diverse substances

Water treatment
Added substances, e.g. chlorine, can affect taste



BRITA sensory water wheel
An overview of taste, aroma, mouthfeel

The power of filtration

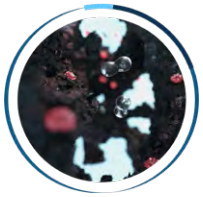
Excellent water – an art and a science.

With BRITA's proven filtration solutions, you can be sure of excellent water – meeting the highest hygiene, quality and environmental standards.

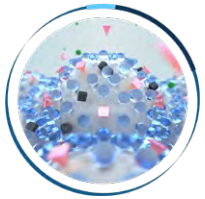
At BRITA, water is our passion. We have channelled over half a century's expertise into our BRITA filtration and treatment technologies, and into each and every one of our BRITA VIVREAU dispensers.

From activated carbon to ion-exchange resins, pre-filters, post-filters, double-layer membranes and more – you will find effective filtration solutions for your specific needs.

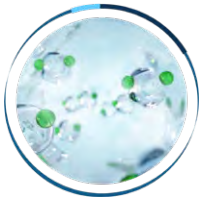
What's more, you can be sure of Made-in-Europe quality. All BRITA VIVREAU filters are manufactured in Germany and the dispenser itself is assembled in Italy in our own production facility. We focus on sustainability throughout – using, for instance, natural coconut shells for our activated carbon.



Activated carbon
Reduces substances that impair taste and odour



Ion exchanger
Reduces limescale and metals, e.g. lead



The right balance
Preserves minerals in water

Dependable hygiene

Solutions that give you peace of mind.

BRITA's built-in safeguards keep dispensers squeaky clean by reliably removing bacteria, microbial cysts and more.

We take an end-to-end approach to hygiene, starting with the manufacture of our BRITA VIVREAU dispensers in Italy. Our recently established production facility is equipped with the latest hygiene technology. And our service technicians observe strict safety measures when they install your dispenser – ensuring the best-possible start.

Our dispensers' BRITA ThermalGate™ feature heats the tap to defend against contamination from external sources. And our optional BRITA HygienePlus solution – developed based on over 20 years' experience of the healthcare market – provides outstanding hygiene. Both have been tested and validated by independent institutes.

What's more, you will find cleaning instructions and guidance on our website – and we offer a proven portfolio of tailor-made cleaning products.

End-to-end hygiene
Starting with the dispensers' manufacture in Italy

Product features
BRITA ThermalGate™ and BRITA HygienePlus

Regular cleaning
Ensures safety and a long product life

CLARITY Protect 100

Water filter: Reliably safe, excellent water for your dispenser.

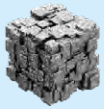
Water is strictly controlled. But in healthcare and other environments, you often need an extra level of safety. The CLARITY Protect 100 filter was made precisely for these scenarios. It removes bacteria, cysts and more to ensure exceptionally clean, safe water. Together with the CLARITY Safe X3 filter and BRITA ThermalGate™ feature, it forms the BRITA HygienePlus solution.

BRITA CLARITY Protect 100 is compatible with:

- VIVREAU Top Pro with HygienePlus
- VIVREAU Extra I-Tap with HygienePlus

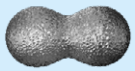
Benefits of BRITA CLARITY Protect

Reduces fine particles such as microplastics and asbestos fibers



Reduces metals such as lead

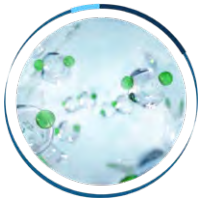
Reduces pharmaceuticals, pesticides and hormones



Reduces chlorine taste and odour

Reduces organic impurities

Removes bacteria and cysts



The right balance
Preserves minerals in water.

Hollow fibre membrane
Filters out 99.999 % of bacteria and 99.95 % of cysts.

Activated carbon filtration
Reduces substances that impair taste and odour.

Pre-filter
Removes coarse particles.

Filter capacity:
Protect 100: 11,500 l

Exceptionally clean, safe water

Protects equipment
and therefore lowers dispenser maintenance costs

Contact us today and let's talk about your BRITA VIVREAU solution | www.brita.net

CLARITY Protect 100

Technical data

Model	BRITA CLARITY Protect 100
Technology	activated carbon and hollow fiber membrane filtration
Water intake temperature	4°C to 30°C
Ambient temperature for operation	4°C to 40°C
Ambient temperature for storage / transport	-20°C to 50°C
Water inlet and outlet connection	JG 8 mm
Operating pressure	2 bar to 8.6 bar
Flow rate at 1 bar pressure loss	180 l/h
Nominal filter capacity	11,500 l
Operating position	horizontal or vertical
Efficacy	
Reduction of particles such as micoplastics or sand	≥ 0.5 µm (NSF 42, Class I)
Reduction of asbestos fibres	> 99.9 % (NSF 53 tested by independent laboratory)
Reduction of metals such as lead	> 90 % (DIN EN 14898)
Reduction of chlorine	> 90 % (DIN EN 14898, Class I) and > 50 % (NSF 42)
Reduction of organic impurities such as benzene	> 90 %
Reduction of pharmaceuticals, pesticides and hormones such as naproxen, lindane, estrone	> 90 % up to at least 8,000
Reduction of bacteria	99.999 % (ASTM F838-05)
Reduction of cysts	99.95 % (NSF 53)
Dimensions (W x D x H)	
Filter system (filter head with filter cartridge)	68 x 68 x 338 mm
Filter cartridge	68 x 68 x 311 mm
Installed dimensions (vertical installation with wall mounting bracket)	68 x 74 x 371 mm

The food-grade quality and safety of BRITA water filter products are tested and verified by independent institutions

KTW tested* ACS conform ICIM WRAS APPROVED PRODUCT CERTIFICATION MARK

*applies to all materials that come into contact with water

NSF System tested and certified by NSF International against NSF/ANSI standard 42 for particulate reduction class 1 and for the reduction of chlorine taste and odor.

NSF component listing

PZH PRODUKT Z ATESTEM

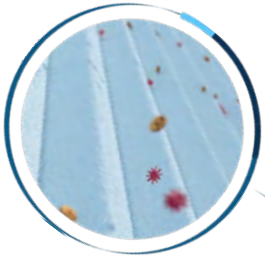
CLARITY Safe X3

Water filter: A bacterial filter for outstanding hygiene in critical environments.

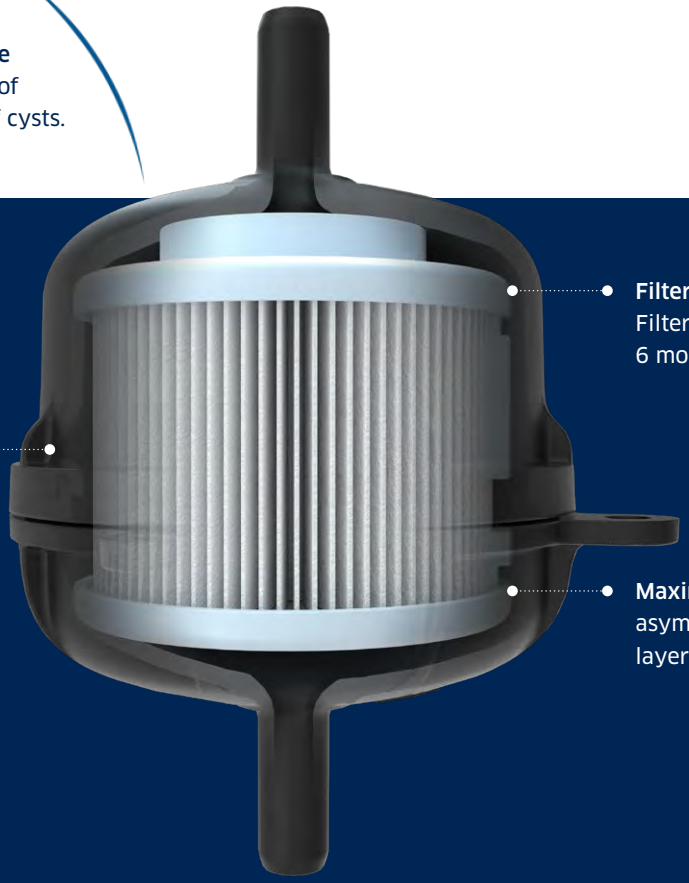
The CLARITY Safe X3 filter rounds out the BRITA HygienePlus solution. This filter is just upstream of the dispenser outlet tap. So when you draw water, CLARITY Safe X3 removes any potentially remaining bacteria, microbial cysts and other unwanted impurities – right then and there. This final layer of protection guarantees water of outstanding quality and hygiene each and every time you use your dispenser.

BRITA CLARITY Safe X3 is a key component included in:

- VIVREAU Top Pro with HygienePlus
- VIVREAU Extra I-Tap with HygienePlus



Double-layer membrane
Filters out 99.99999 % of bacteria and 99.95 % of cysts.



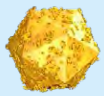
Filter capacity:
Filter life of up to 6 months

Second safeguard in combination with CLARITY Protect, filters water when dispensing

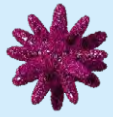
Maximum safety via asymmetrical double-layer membrane

Benefits of BRITA CLARITY Safe X3

Reduces fine particles such as microplastics



Reduces fine particles such as sand

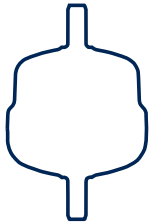


Reduces bacteria

Reduces microbial cysts

CLARITY Safe X3

Technical data



Model	BRITA CLARITY Safe X3
Operating pressure	2 bar to 10 bar
Flow rate at 1 bar pressure loss	180 l/h
Nominal filter capacity	replace after 6 months
Particle retention	0.2 µm (nominal)
Reduction of bacteria	99.99999 % (ASTM F838-05)
Reduction of health contaminents such as cysts	99.95 % (NSF 53)
Operating position	Horizontal or vertical
Dimensions (W x D x H)	
Filter cartridge	86 x 86 x 112 mm

The food-grade quality and safety of BRITA water filter products are tested and verified by independent institutions

KTW tested* ACS conform

*applies to all materials that come into contact with water

PURITY C Dispenser C300/C500/C1100

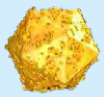
Water filter: Excellent filtration designed for hot water dispensers.

Need piping-hot water? That's no problem for PURITY C Dispenser. This filter cartridge was specially designed for these situations. It protects the dispenser by reducing carbonate hardness, tackling the common problem of limescale head on. It also removes unwanted, taste-impairing substances. And its IntelliBypass® feature lets you control the degree of hardness – so you have just the right amount, for instance, for a perfect cup of tea.

PURITY C Dispenser filters are compatible with:

- VIVREAU Extra C-Tap
- VIVREAU ViTap

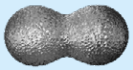
Benefits of BRITA PURITY C Dispenser



Reduces fine particles such as sand

Reduces metals such as lead

Reduces carbonate hardness

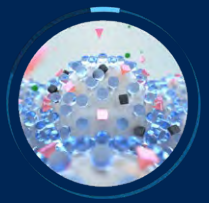


Reduces chlorine taste and odour

Reduces organic impurities

Post-filter
An extra layer of filtration for perfect results.

Activated carbon filtration
Reduces substances that impair taste and odour.



Ion exchanger
Reduces limescale and metals e.g. lead.

Pre-filter
Removes coarse particles.

IntelliBypass® for achieving the ideal mineral composition

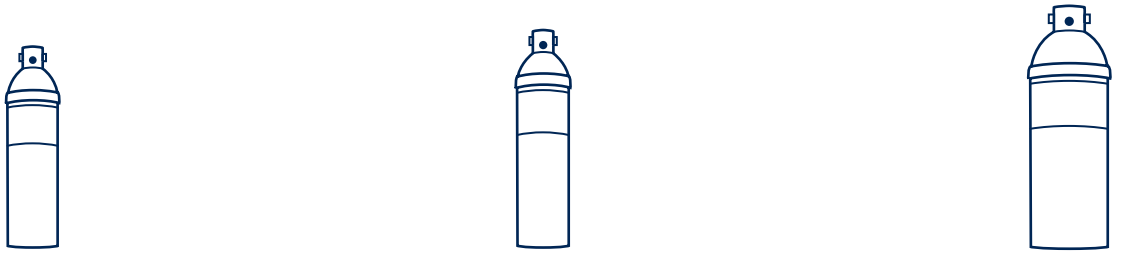
Filter capacity:
PURITY C300: 2,784 l
PURITY C500: 5,008 l
PURITY C1100: 8,480 l

Adjustable water hardness
For great-tasting and great-looking hot drinks

Protects equipment
and therefore lowers dispenser maintenance costs

PURITY C Dispenser C300/C500/C1100

Technical data



Model	BRITA PURITY C Dispenser C300	BRITA PURITY C Dispenser C500	BRITA PURITY C Dispenser C1100
Technology	decarbonisation		
Capacity [1] at a carbonate hardness of 10°dH / bypass setting of 40 %	2,784 l	5,008 l	8,480 l
Max. operating pressure	2 bar to max. 8.6 bar		
Water intake temperature	4 – 30 °C		
Nominal flow	60 l/h	100 l/h	
Pressure loss at nominal flow	0.25 bar	0.5 bar	
Dimensions (W x H x D) of filter head with filter cartridge	125 x 119 x 466 mm	144 x 144 x 557 mm	184 x 184 x 557 mm
Weight (dry / wet)	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		

[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.

The food-grade quality and safety of BRITA water filter products are tested and verified by independent institutions

KTW tested* ACS conform ICIM

*applies to all materials that come into contact with water

The power of filtration

We have filtration down to a science.

Reduces fine particles e.g. microplastics
Microplastics are, simply put, plastic fragments smaller than 5 mm. They can be found in mains water, and include primary microplastics, e.g. cosmetics, facial scrubs, and cleaning agents, as well as secondary microplastics, e.g. from the degradation of plastic products and car tires.

Reduces particles e.g. sand
Particles in water mainly come from deposits formed in piping. Chemically speaking, they include a mixture of limescale, gypsum, silicates (sand), and substances from pipe corrosion (rust). Pressure surges or simply the normal flow of water can dislodge particles.

Reduces metals e.g. lead
Metals are not usually found in mains water, but can be introduced via corroding pipes. Residential piping can be made of galvanised steel, copper, stainless steel, brass – and in rare cases, lead. Water stagnation in plumbing can raise the concentration of metals above specified limits.

Reduces chlorine / chlorine compounds
During treatment, chlorine and chlorine compounds are added to water in the lowest quantities possible – ideally below the odour threshold. However, higher levels of chlorine may be needed for long-distance transmission. Chlorine can also form compounds with organic substances, negatively affecting water's taste and aroma.

Reduces organic contaminants
Organic contaminants include diverse chemical compounds – from industrial substances, such as solvents (e.g. benzene), to residues from medicines and pesticides, to natural organic compounds. They enter mains water through emissions, for instance.

Reduces carbonate hardness
During the water cycle, rain absorbs CO_2 in the air. It becomes slightly acidic and falls, dissolving minerals in the ground, e.g. calcium carbonate. This raises water's carbonate hardness. However, too many minerals in water can affect how beverages taste, and lead to scale deposits in equipment.

Reduces bacteria and cysts
By definition, mains water is clean – but not sterile. It is treated to meet established microbiological limits. However, as water is transported via the mains, germs (e.g. bacteria and cysts) can multiply. This is especially true of stagnant water.

Reduces pharmaceuticals
Pharmaceutical and hormone residues, and their by-products, can enter the environment via waste water. They can then end up in mains water, though only in very small quantities. Water is often tested for naproxen, lindane and estrone, as these substances are particularly common.

Reduces asbestos fibres
Asbestos is a heat-resistant fibrous silicate mineral. It has been widely used e.g. as insulation, as an anti-corrosion coating and, in the past, as a building material. Asbestos fibres can enter water via piping, including asbestos-cement pipes (which were permissible in the past) and coated pipes.