

PURITY C Quell ST



Decarbonisation

The first cartridge filter with PURITY technology

Count on PURITY technology – enjoy protection and supreme quality



- Reliable prevention of limescale build-up – now with a capacity of 960 to 6,800 litres
- Particle retention up to 10 µm
- Protection of equipment
- Compatible with all PURITY C range heads
- Improved machine reliability with lower costs



The task:

Even the best drinking water may contain a high proportion of carbonate hardness due to regional differences in water content, resulting in scale deposits within your equipment leading to increased service and operational costs. Equally the aroma and taste of the products also suffer, and with them the level of customer satisfaction.

The solution:

BRITA's PURITY C Quell ST filter cartridges have been specially developed for use in the catering, vending and coffee sector to reduce the carbonate hardness in drinking water, thus avoiding scale deposits in the upstream appliance. The PURITY filter removes heavy metal ions such as lead and copper. Whilst also reducing cloudiness, organic impurities and chlorine that impair the quality and taste of the filtrate including the by-pass water.

Great results

from BRITA for your business

IntelliBypass technology

Delivers consistent ratio of blended water unaffected by variations in mains water pressure or flow rate. This is critical to developing the quality, taste and appearance of speciality coffees, like Cappuccino or Espresso. Consequently, the **IntelliBypass** is synonymous with

- Consistently high water quality
- Improving the taste and quality of food and drinks
- Reliable machine protection reduction in servicing costs

Your advantages with PURITY C Quell ST:

- Prevention of scale deposits and associated machine breakdown costs
- Service and maintenance costs are noticeably reduced
- Single filter head connection concept for all cartridge sizes
- Range of heads for bypass and connection options
- Simple handling thanks to rapid-change system
- Innovative locking handle with built-in water valve
- IntelliBypass for variable and precise by-pass settings*
- 100% Treatment of the water including the bypass
- Removal of undesirable taste taints and odours from the filtrate (including the by-pass water)
- Compact design with inlet and outlet on one filter head side for easy space-saving installation
- Vertical, horizontal, or over head installation.

* Only the PURITY C 0-70% filter heads have a variable by-pass setting

PURITYTechnology means:

Optimum water quality.

Highest water quality consistently – free from unwanted taste taints and odours

Highest level of product safety.

For problem-free operation, safe handling and a long service life

Simple handling.

Filter replacement is quick and simple

Fully Tested

The food quality provided by BRITA water filter products is tested and monitored by independent institutions.



PURITY C Quell ST	C50	C150	C300	C500
PURITY C 0–70% filter head with variable by-pass				
Capacity at 10 °KH (12,5 °eH) ¹ Coffee/espresso/vending machines (by-pass setting 40 %)	960 litres	2.408 litres	4.000 litres	6.800 litres
Capacity at 10 °KH (12,5 °eH) ¹ Combi ovens/conventional ovens (by-pass setting 10 %)	660 litres	1.656 litres	2.750 litres	4.675 litres
PURITY C 30% filter head with fixed by-pass				
Capacity at 10 °KH (12,5 °eH) ¹	831 litres	2.086 litres	3.464 litres	5.889 litres
PURITY C 0% filter head with fixed by-pass				
Capacity at 10 °KH (12,5 °eH) ¹	600 litres	1.505 litres	2.500 litres	4.250 litres
max. operating pressure	8,6 bar			
Operating temperature	4 °C – 30 °C			
Nominal flow	60 l/h			100 l/h
Pressure loss at nominal flow	0,2 bar			0,5 bar
Dimensions (W/D/H) in mm Filter head with filter cartridge	117/108/265	117/108/421	124/123/476	149/149/554
Weight (dry/wet) in kg	1,0/1,4	1,7/2,5	2,7/3,9	4,6/7,1
Connections (inlet/outlet)	G 3/8" or John Guest 8 mm			
Operating position	horizontal or vertical			

¹ The stated capacities have been tested and calculated on the basis of common application and machine conditions. External factors (such as fluctuating crude water quality and/or machine type) can cause deviations from this information.

PURITY C QUELL ST	C50	C150	C300	C500
Products	Order numbers			
Filter cartridge (pack of 20/pack of 6/pack of 3)	102831	102829	102827	–
Filter cartridge (pack of 1)	1002730	102828	102826	1002045
Filter head 0 % ² , G 3/8"	297177 (pack of 20) / 1002949 (pack of 1)			
Filter head 0 % ² , JG8	297176 (pack of 20) / 1002942 (pack of 1)			
Filter head 30 % ³ , G 3/8"	297175 (pack of 20) / 1002952 (pack of 1)			
Filter head 30 % ³ , JG8	297174 (pack of 20) / 1002945 (pack of 1)			
Filter head 0–70 % ⁴ , G 3/8"	297172 (pack of 20) / 1002955 (pack of 1)			
Filter head 0–70 % ⁴ , JG8	297171 (pack of 20) / 1002946 (pack of 1)			
Accessories				
PURITY C cover (pack of 10)	1000503			
PURITY C step lug (pack of 3)	1000494			–
FlowMeter 10–100 A	298900			
Non-return valve G 3/8" pack of 3	1000639			
Non-return valve JG8 pack of 3	292068			
Hoses				
1,5 m, DN8, 3/4" – 3/8"	366400			
1,5 m, DN8, 3/8" – 3/8"	1001137			
1,5 m, DN8, 3/4" – 3/8" arc	293704			
1,5 m, DN8, 3/8" – 3/4" arc	1001139			
1,5 m, DN8, 3/8" – 3/8" arc	1001140			
1,5 m, DN8, 3/4" arc – 3/8" arc	293703			
1,5 m, DN8, 3/4" – 3/8" ball valve	1001138			
1,5 m, DN8, 3/8" – 3/8" ball valve	1001365			

² For combi steamer, conventional ovens and coolers

³ For coffee machines and vending machines

⁴ Flexible use for all applications

For more information:

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