



# PURITY QUELL ST – THE BEST WATER FOR GASTRONOMY

Technology: decarbonisation

## Taste and function for gastronomy

Constant high performance in gastronomy is also expected from the high-quality machines. To ensure this performance can be used around the clock, it is advisable to work with optimised water.

The consistent water quality over the life of the filter and the reliable removal of unwanted taste and aroma elements ensures best quality and optimum aroma development for your drinks, as well as high machine protection.



*IntelliBypass*<sup>®</sup>  
technology

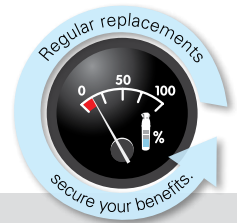
A largely volumetric-flow independent bypass water proportion ensures constant water quality, also for low water flow rates.

## Your advantages – great taste with reliable protection from limescale.

- Removal of unwanted taste and aroma elements in the complete filtrate (including in the bypass water)
- Targeted adaptation to local conditions with variable bypass setting
- Coffee develops its full aroma
- Limescale deposits and associated machine breakdowns are reduced
- Service and repair costs are clearly reduced

# PURITY Quell ST

## Consistently optimum water for different applications



### Systematic filter technology

#### 1. Pre-filtration

A fleece at the inlet reliably retains coarse particles and with its laminar water distribution ensures a high utilisation of the downstream filter medium.

#### 2. Carbonate hardness reduction

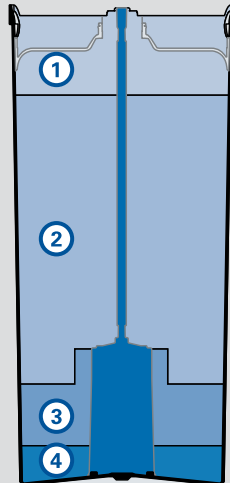
The PURITY Quell ST filter medium reduces the content of carbonate hardness in a targeted way. As a result, unwanted limescale formation is prevented.

#### 3. Activated carbon filtration

All of the water – including the bypass water – runs through an activated carbon filter. Taste and aroma elements that have a negative affect do not enter the filtrate.

#### 4. Fine filtration

At the end of the filtration process a fleece retains any fine particles.



The illustration serves as explanation of the filter technology. It is not to scale.

### The PURITY promises:

#### Optimum water quality

Outstanding and consistent water quality – free of unwanted taste and aroma elements.

#### Maximum product safety

For uninterrupted operation and safe use.

#### Simple to use

Operation is simpler and easier than ever.

The food safety of BRITA Professional water filter products is tested and monitored by independent institutes.

Electronic components are CE-certified and labelled.



\*applies to all materials in contact with water

|                                                                                                                                                                                                                                                                                                                                                                                  | PURITY Quell ST         |               |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|---------------|
|                                                                                                                                                                                                                                                                                                                                                                                  | 450                     | 600           | 1200          |
| Capacity <sup>1</sup> with a carbonate hardness of 10 °dH Coffee/espresso/vending machines (bypass setting 40%)                                                                                                                                                                                                                                                                  | 4,217l                  | 7,207l        | 13,187l       |
| 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                                                                                                                                                                                                                                                                                                                                                              | 2,240l                  | 4,420l        | 7,253l        |
| Max. operating pressure                                                                                                                                                                                                                                                                                                                                                          | 6.9bar                  |               |               |
| Operating/water temperature                                                                                                                                                                                                                                                                                                                                                      | 4–30°C                  |               |               |
| Flow at 1 bar pressure loss                                                                                                                                                                                                                                                                                                                                                      | max. 350l/h             |               |               |
| Nominal flow                                                                                                                                                                                                                                                                                                                                                                     | 60l/h                   | 120l/h        |               |
| Pressure loss at nominal flow                                                                                                                                                                                                                                                                                                                                                    | max. 0.12 bar           | max. 0.36 bar | max. 0.32 bar |
| Dimensions (height/width)                                                                                                                                                                                                                                                                                                                                                        | 408/249mm               | 520/249mm     | 550/288mm     |
| 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 |               |               |

<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.

| Products                                                                                                                              | Order number |         |         |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|---------|
|                                                                                                                                       | 450          | 600     | 1200    |
| New filter (complete system with filter cartridge) with measuring and display unit                                                    | 1009227      | 1009229 | 1009231 |
| New filter (complete system with filter cartridge) without measuring and display unit                                                 | 1009228      | 1009230 | 1009232 |
| Accessories                                                                                                                           |              |         |         |
| Replacement cartridge                                                                                                                 | 273000       | 273200  | 273400  |
| BRITA FlowMeter 100–700 A                                                                                                             | 298905       |         |         |
| Carbonate hardness test kit                                                                                                           | 710800       |         |         |
| Appropriate hoses and hose sets from our comprehensive FlexConnect range as well as other accessories can be found in our price list. |              |         |         |
| Replacement parts                                                                                                                     |              |         |         |
| Pressure vessel lid with measuring and display unit                                                                                   | 272000       |         | 272400  |
| Pressure vessel lid without measuring and display unit                                                                                | 272100       | 272500  |         |

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

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