

## PURITY Quell ST

### Taste and function for gastronomy

Constant high performance in gastronomy is expected from high-quality machines. To ensure this performance is achieved at all times, it is advisable to work with optimized water.

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



### IntelliBypass®

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



### The benefits to you

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

## Systematic filter technology

### 1 Pre-filtration

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

### 2 Carbonate hardness reduction

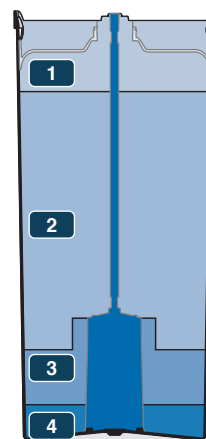
The PURITY Quell ST filter medium reduces the content of carbonate hardness in a targeted way. As a result, unwanted limescale formation is prevented.

### 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.

## Quality and safety

### Optimum water quality

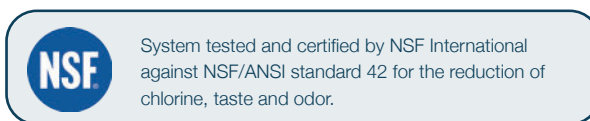
Outstanding and consistent water quality – free of unwanted taste and aroma elements.

### Maximum product safety

For uninterrupted operation and safe use.

### Simple to use

Operation is simpler and easier than ever.



PURITY Quell ST	450 (refill cartridge only)	600	1200
Technology	decarbonization		
Capacity <sup>1</sup> coffee /espresso /vending machines (at a carbonate hardness of 10 °dH/bypass setting of 40 %)	4,217 l 1,114 US gallons	7,207 l 1,904 US gallons	13,187 l 3,484 US gallons
Max. operating pressure	6.9 bar   100 psi		
Water intake temperature	4 – 30 °C   39 – 86 °F		
Flow rate with 1 bar pressure loss	max. 300l/h max. 79.2 US gallons/h		
Nominal flow	15.8 gal/h	31.7 gal/h	
Pressure loss at nominal flow	max. 1.74 psi	max. 5.22 psi	max. 4.64 psi
Dimensions of system (height/width)	—————	20.47/9.8 in	21.65/11.34 in
Weight of system (dry/wet)	—————	26/33 lbs	40/53 lbs
Connections (input/output)	3/4" NPT   3/4" NPT		
Operating position	horizontal and vertical		
Operation	Use after inhouse softening units possible		
PURITY Quell ST	Order number		
Pressure vessel with cartridge	N/A	276700	276600
Pressure vessel lid with measuring and display unit	N/A	1001520	1001518
Replacement cartridge	276100	276000	275900
Accessories	Order number		
Carbonate hardness test kit	710801		
Explanatory notes	<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.		

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

For more information please contact:

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