

# PURITY C Steam

## Proven technology re-invented for small to mid-sized steamers and 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.

### The benefits to you

- Limescale deposits and the associated machine breakdowns are reduced, as are additional service and repair costs. Fine steam jets remain open longer.
- Baked products, fish, meat and vegetables are cooked to their best: elements, such as chlorine, that could impair taste and aroma are removed for improved taste.
- Vivreau's established easy-to-handle cartridge exchange system.
- Bypass settings are specially adapted to direct injection and boiler systems.
- Improved flow rate of up to 300 l/h with 1 bar pressure loss.



## Systematic filter technology

### 1 Pre-filtration

A pre-filter retains coarse particles.

### 2 Carbonate hardness reduction

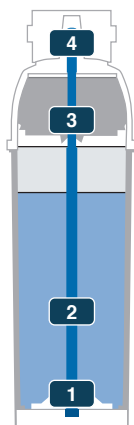
The PURITY C Steam filter medium reduces carbonate hardness. As a result, unwanted limescale formation is prevented.

### 3 Activated carbon filtration

The water runs through an activated carbon filter to remove all substances such as chlorine and organic elements that have an adverse effect on taste and aroma.

### 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.

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



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

PURITY C Steam	PURITY C500 Steam	PURITY C1100 Steam
Technology	decarbonization	
PURITY C Steam filter head with variable bypass		
Capacity <sup>1</sup> combi steamers/ovens (at a carbonate hardness of 10 °dH and a bypass setting of 1)	4,675 l 1,235 US gallons	7,907 l 2,089 US gallons
Filter system*		
Max. operating pressure	8.6 bar/125 psi	
Water intake temperature	39.2 °F – 86 °F	
Flow rate with 1 bar pressure loss	300 l/h 79,2 US gallons/h	
Nominal flow	100 l/h 26,4 US gallons/h	
Pressure loss at nominal flow	0.1 bar/1.5 psi	0.2 bar/2.9 psi
Dimensions (W/D/H) with filter head	5.66/5.66/21.9 in	7.24/7.24/21.9 in
Weight (dry/wet)	10.1/15.2 lb	16.9/27.5 lb
Water inlet and outlet connections	1/2" NPT	
Operating position	horizontal and vertical	
Operation	use after inhouse softening units possible	
PURITY C Steam	Order number	
Filter cartridge	1032554 (Pack 1)	1032550 (Pack 1)
Filter head	1033043 (Pack 1)	
Accessories	Order number	
Hardness test kit (carbonate)	710801	
VIVREAU FlowMeter 10 – 100 A (connection 1/2" NPT)	1033723	
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.	

\* The PURITY C Steam filter system can only be operated with the PURITY C Steam filter head. Only drinking water quality may be used as the water supply for VIVREAU water filters.

For more information please contact:

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