

# PURITY C1100

## XtraSafe

Water high in salts and gypsum can corrode combi steamers and ovens, coffee makers and other valuable equipment. It can cause significant damage and additional maintenance effort – and necessitate earlier replacement of parts.

Vivreau developed PURITY C1100 XtraSafe with precisely these challenges in mind. The cartridge delivers targeted protection against the chlorides, sulphates and gypsum found in mains water in certain regions. It employs an effective five-step filtration process, including dual ion exchangers, to reliably improve your water.

What's more, the recommended filtration bypass settings help ensure the ideal water composition – including just the right degree of carbonate hardness – for great-tasting coffee, perfectly steamed vegetables, meat and other dishes, plus irresistible baked goods and pastries.

## The benefits to you

- Specially designed for water high in salts and gypsum
- Dual defence: two ion exchangers protect your equipment against corrosion, limescale and gypsum deposits
- Prevents damage that would require premature replacement of parts
- Filtration bypass settings are tailored specifically to steaming food and brewing coffee
- Use data on local water conditions to calculate user-specific recommendations for capacity and filtration bypass settings



## Systematic filter technology

### 1 Pre-filtration

First, a pre-filter traps coarse particles.

### 2 Cation reduction

This stage reduces carbonate and permanent hardness, as well as various cations. This helps prevent limescale.

### 3 Anion reduction

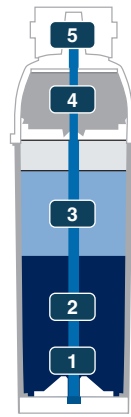
This medium removes remaining ions (anions), such as chlorides and sulphates, to reduce the risk of corrosion and gypsum deposits.

### 4 Activated carbon

The water is then filtered with activated carbon, removing substances that could have an adverse effect on taste and aroma.

### 5 Fine filtration

At the end of the filtration process, a fleece captures any fine particles



Simplified depiction of filtration. 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.



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

PURITY C1100 XtraSafe	
Technology	Total demineralisation
Capacity <sup>1</sup> (FlowMeter required)	Email: <a href="mailto:profilters@vivreau.com">profilters@vivreau.com</a> to get the capacity calculation excel sheet.
Operating pressure	29 psi – max. 125 psi (2 bar – max. 8.6 bar)
Water intake temperature	39.2°F – 86°F
Water inlet and outlet connections	G 3/8" or John Guest 8 mm (JG 8) or 1/2" NPT
Flow rate with 1 bar pressure loss	79.25 US gallons/h (300 l/h)
Nominal flow	26.41 US gallons/h (100 l/h)
Pressure loss at nominal flow	2.9 psi (0.2 bar)
Weight (dry/wet)	16.9/27.5 lb
Dimensions (W/D/H) of filter system	7.24/7.24/21.93 inch
Dimensions (W/D/H) of filter cartridge	7.24/7.24/21.6 inch
Operating position	Vertical
Cartridges and filter heads	Order number
PURITY C1100 XtraSafe	1051745 (Pack 1)
NPT Male 1/2" 0-70% Variable Head	1031654 (Pack 1)
PURITY C Steam Filter head	1033043 (Pack 1)
Accessories	Order number
VIVREAU FlowMeter 10 – 100 A (connection 1/2" NPT)	1033723 (Pack 1)
Temporary hardness test kit	710801
Total hardness test kit	1033075
Explanatory notes	<sup>1</sup> Contact us to get the capacity calculation excel sheet. 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 water of potable quality may be used as the supply for Vivreau water filters.

For more information please contact:

### VIVREAU USA

300 Roundhill Drive, Unit 2 | Rockaway, NJ 07866

[profilters@vivreau.com](mailto:profilters@vivreau.com)

[www.vivreau.com/professional-filters](http://www.vivreau.com/professional-filters)