



EVERPURE

CLARIS, THE PREMIER NAME IN TAILORED HARDNESS CONTROL

**FOR HOT BEVERAGE, STEAM AND
COMBI OVEN APPLICATIONS**

FEATURING PATENT-PENDING DOUBLEND BYPASS VALVE TECHNOLOGY



Proven technology for the commercial market

The CLARIS water filter system has been designed down to the last detail to cater to the exacting requirements of specialty coffee and foodservice markets. The unique Claris water filter system combines sophisticated filtration technology with smart engineering excellence which, up until now, was only associated with larger and more expensive systems.

When technology counts ...CLARIS delivers

The quality of food and drinks delivered depends largely on the quality of the water used to prepare them. Claris water filter systems offer many benefits:

- Reduced energy loss, service and maintenance costs caused by lime scale
- Ensures the efficient operation and long service life of your machine
- Avoid equipment downtime and disappointed customers
- Optimized use of ingredients
- A fit for even large volume applications including large coffee/tea brewers, vending machines, small dishwashers, steam and combi ovens
- Coffee with perfect crema, full flavor and pleasant aroma

The 5-stage water filter system

Drinking water is comprised of various kinds of soluble or insoluble inorganic and organic matters which vary regionally. Even good quality drinking water contains elements which can cause problems with equipment and affect the quality of the food and drinks they produce. The Claris filter system's integrated 5-stage filtration process avoids these problems to help your business run smoothly.

- Stage 1) Pre-filtration media at the entrance to the cartridge retains coarse particles, such as sand or grit
- Stage 2) Ion-selective CLARIS medium reduces carbonate hardness (alkalinity) while retaining other minerals needed for excellent drink quality
- Stage 3) Fine filtration impacts the filter media and removes fine particles from the water
- Stage 4) High-efficiency carbon block filter removes harmful contaminants and unpleasant tastes and odors
- Stage 5) Solid membrane style filter removes particles down to 5 μm for the highest level of equipment protection available



Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of:

Aesthetic Effects:
 Chemical Reduction
 Taste and Odor
 Chlorine

One system fits all

The CLARIS water filter family features a modular filter cartridge system consisting of a unique, multifunctional connection head, and a combination of filter cartridges designed specifically for the needs of commercial foodservice equipment. Thanks to its compact size and sophisticated multi-valve connection head, the system can be installed and operated almost anywhere, whether free-standing or mounted or in a vertical or horizontal position.

Hassle-free cartridge replacement and low service costs

- Cartridges replaced in seconds, simply 'twist off – twist on'
- Air vent and flush directly at the filter head, no tube disconnection required
- Automatic inlet and outlet shutoff valves provide secure cartridge replacement
- Pressure release valves automatically activated at filter cartridge replacement
- Every new cartridge has a "built-in" gasket so replacement ones are no longer needed with cartridge change
- Flat connector allows for easy cartridge replacement even within the confines of a limited space (avoids movement of wall mounting brackets and torque on hose connectors)

1. Filter Head
2. Mounting Bracket
3. Bypass Adjustment Cap
4. Bypass Levels
5. Flush/Pressure Release Valve
6. Inlet
7. End Position Mark
8. Outlet



DUOBLEND bypass valve technology

Thanks to its patent-pending DUOBLEND[®] bypass valve technology, the CLARIS water filter system allows for consistent and precise adjustment of carbonate hardness (alkalinity). The DUOBLEND valve ensures delivery of the highest water and beverage quality, while providing effective machine part protection of from limescale deposits, regardless of pressure changes in the feed water supply and from flow rates of individual consumers. In combination with its 5-stage filtration process, including a solid final 5 µm Carbon Block, filter the CLARIS system sets a new benchmark in the water filter market.

Protection for your machine – perfection for your customers

The precise combination of scale reduction and retaining the required level of minerals needed for proper flavor is the secret to high quality, great tasting hot beverages while ensuring equipment protection at the same time. In addition, the CLARIS water filter system removes harmful contaminants, unwanted taste, color and odors from the source water supply. And its solid Carbon Block filter protects your equipment is from small particles even under pressure shocks. The CLARIS water filter system offers your business many benefits: cost savings, reduced equipment downtime, and happy, loyal customers.

A unique filter concept for changing market requirements

The Everpure CLARIS system is ideal for low, medium and high volume beverage, steam and combi oven applications. The system protects your expensive brewing and steam equipment, helping you avoid service and maintenance costs. It offers unique advantages in a compact and cost-effective, quick change cartridge filter system. The innovative overall concept is not only very simple and convenient to use but, thanks to its modular design, also offers freedom and flexibility for future upgrades.

Technical Data

Claris type		S	M	L	XL	XXL
Height, filter system	inches/mm	14.4/365	18.7/475	16.1/410	20.7/525	20.7/ 525
Height, filter cartridge	inches/mm	11.1/282	15.4/392	14.1/359	18.7/475	18.6/ 471.52
Diameter of filter cartridges	inches/mm	3.7/95	3.7/95	5.4/136	5.4/136	6.9/175.0
Min. distance from ground	inches/mm	1.6/40	1.6/40	1.6/40	1.6/40	1.6/4.0
Head connection - BSP thread (in/out)	inches	3/8	3/8	3/8	3/8	3/8
Head connection - quick connect (in/out)	inches	1/4 3/8	1/4 3/8	1/4 3/8	1/4 3/8	1/4 3/8
Weight	lbs/kg	2.9/1.3	4.0/1.8	7.1/3.2	9.5/4.3	14.3/6.5
Operating data						
Max. system pressure†		29 - 116 psi (2 - 8 bar)				
Water temperature		39 °F - 86 °F (4° - 30° C)				
*Typical capacity						
Hot drinks machines without steam operation		449 gal (1.700 L)	792 gal (3.000 L)	1479 gal (5.600 L)	2113 gal (8,000 L)	2900 gal (11000 L)
Hot drinks machines with steam operation		400 gal (1.500 L)	660 gal (2.500 L)	1215 gal (4.600 L)	1744 gal (6.600 L)	3490 gal (13200 L)
Combi steamers/Steam ovens/Ovens using boiler systems		300 gal (1.130 L)	500 gal (1.880 L)	925 gal (3.500 L)	1321 gal (5,000 L)	2180 gal (8250 L)
Combi steamers/Steam ovens/Ovens using direct injection		240 gal (900 L)	400 gal (1.500 L)	740 gal (2.800 L)	1057 gal (4,000 L)	1740 gal (6600 L)

*capacities intend as guidelines at 10° KH / 12,5° Clarke / 179 ppm and standard bypass. Please contact Everpure for specific product recommendations.
†Note: If chloride or silica is present in influent water supply, consult Everpure prior to installing a filtration system.



Swiss Technology - Worldwide Competence - Leading Brands

Everpure, part of the Water Technologies Group of Pentair, Inc., is a leading foodservice industry supplier, manufacturing commercial water treatment products, solutions and services worldwide since 1933. Everpure is also a trusted provider of water treatment products to the vending, consumer, marine and aviation markets.

Clariss and DUOBLEND are registered trademarks of the Aquis GmbH in Switzerland. Aquis is a Swiss manufacturer engaged in the development and production of customized water filter solutions for the commercial market. Clariss has become the leading brand and is synonymous with integrated water filter solutions for European espresso machines.