

EVERPURE®**claris®****WATER FILTERS FOR
FOODSERVICE APPLICATIONS**

CLARIS FILTERS

One brand. Every application.



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INTRODUCTION

Proven Technology for the commercial market

The Claris water filter systems have been designed down to the last detail to cater for the exacting requirements of quality and service in the commercial market, setting a new standard in the catering and vending industry.

The unique Claris water filter system combines sophisticated filtration technology with smart engineering excellence, up to now only associated with larger and expensive installations.

When technology counts ... EVERPURE CLARIS delivers

The perfect quality of food and drinks depends largely on the water quality.

Claris water filter systems give you many benefits.

- Reduced service costs. No downtime caused by lime scale
- Ensured efficiency and long service life of your machine
- Avoids equipment down time and disappointed customers
- Coffee with perfect crema, full flavour and pleasant aroma
- Optimized use of ingredients and improved energy costs

One system fits all

The Claris water filter family is a modular filter cartridge system, consisting of a unique multifunctional connection head and a combination of filter cartridges designed for the specific requirements of equipment in the commercial market. Thanks to its compact dimensions and the sophisticated multi-valve connection head, the system can be installed and operated almost anywhere, free standing, mounted or in a vertical or horizontal position.

Hassle free exchanges and low service costs

- Cartridges replaced in seconds 'twist off - twist on'
- Air vent and rinsing directly at the filter head without any disconnection of tubes
- Automatic Inlet and outlet shut off valves for secure cartridge replacement
- Pressure release valves automatically operated at filter cartridge replacement
- Replacement of all gaskets between head to cartridge with every new cartridge
- Flat cartridge connector allows replacement in limited space (avoids movement of wall mounting brackets and torque on hose connectors)

DUOBLEND® bypass valve technology

Thanks to the new patent pending DUOBLEND® bypass valve technology the new Claris water filter system allows a consistent and precise adjustment of carbonate hardness. The DuoBlend® valve ensures highest water and beverage quality whilst delivering effective protection of machine parts from lime scale deposits, unaffected from pressure changes in the feed water supply and from flow rates of individual consumers. In combination with the 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 whilst retaining the required level of minerals needed for food processing is the secret to combining best food and drinks quality and ensuring equipment protection at the same time. Even more, the CLARIS water filter cartridges also removes harmful contaminants, unwanted taste, colour and odours from the water and due to its solid Carbon Block filter unlike a conventional mesh filter your equipment is protected from small particles even under pressure shocks. The CLARIS water filter systems offers your business many benefits: Cost savings, reduced 'down time' on equipment and happy and loyal customers

A unique filter concept for changing market requirements

With the changing environment in the Horeca and Operating market, manufacturers of machinery and water treatment are challenged to develop high quality equipment at reduced investment and service costs. The new CLARIS water filter family does this and offers unique advantages in a compact and cost efficient 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 the future.





TECHNICAL DATA

claris® Claris de-carbonisation technology

| FILTER SIZE | S | M | L | XL | XXL |
|------------------------------|-------|-------|-------|-------|--------|
| HEIGHT Filter system mm | 365 | 475 | 410 | 525 | 525 |
| HEIGHT Filter cartridge mm | 315 | 425 | 360 | 475 | 475 |
| DIAMETER Filter cartridge mm | 95 | 95 | 136 | 136 | 175 |
| WEIGHT kg | 1.3 | 1.8 | 3.2 | 4.3 | 6.5 |
| CAPACITY litres @ 10°kH(*) | 1.700 | 3.000 | 5.600 | 8.000 | 13.200 |



claris ultra Claris Ultra partial de-carbonisation and sequestering technology

| FILTER SIZE | 170 | 250 | 500 | 1000 | 1500 | 2000 |
|------------------------------|-------|-------|-------|-------|--------|--------|
| HEIGHT Filter system mm | 295 | 365 | 475 | 410 | 525 | 525 |
| HEIGHT Filter cartridge mm | 245 | 315 | 425 | 360 | 475 | 475 |
| DIAMETER Filter cartridge mm | 95 | 95 | 95 | 136 | 136 | 175 |
| WEIGHT kg | 0.9 | 1.3 | 1.8 | 3.2 | 4.3 | 6.5 |
| CAPACITY litres @ 10°kH(*) | 1.700 | 2.500 | 4.200 | 8.500 | 12.100 | 20.000 |

With the introduction of Claris ULTRA, Everpure is offering a new standard of water filtration technology providing previously unavailable accuracy for scale and acidity control.

Claris ULTRA with its new water filtration and conditioning technology is the world's first filter system to effectively combine hardness reduction, mineral stabilization and corrosion inhibition by maintaining a controlled low carbonic acid level in the water.



claris prime Claris Prime demineralization and sequestering technology

| | |
|------------------------------|--------|
| FILTER SIZE | 2000 |
| HEIGHT Filter system mm | 525 |
| HEIGHT Filter cartridge mm | 475 |
| DIAMETER Filter cartridge mm | 175 |
| WEIGHT kg | 6.5 |
| CAPACITY litres @ 10°kH(*) | 13.200 |

OPERATING DATA

| | |
|---|----------------------------|
| MAX. SYSTEM PRESSURE | 2 - 8 bar (29 - 116 psi) |
| WATER TEMPERATURE / AMBIENT TEMPERATURE | 4° - 30° C (39 °F - 86 °F) |

FILTER RANGE APPLICATION

| | CLARIS | CLARIS ULTRA | CLARIS PRIME |
|------------------------------|--------|--------------|--------------|
| VENDING & HOT DRINKS | • | • | • |
| HOT WATER BOILER | • | • | • |
| COFFEE BREWING | • | • | • |
| ESPRESSO | • | • | • |
| COMBI STEAM OVEN | • | • | • |
| ICE MAKING EQUIPMENT | • | • | • |
| DISH WASHING / GLASS WASHING | • | • | • |
| DRINKING WATER FOUNTAIN | | • | • |

VENDING & HOT DRINKS

claris®

| PART No. | PRODUCT | BYPASS | HARDNESS 10° kWh Capacity | DRINKS 15cl 6 / Litre | BYPASS | HIGH HARDNESS 14° kWh Capacity | DRINKS 15cl 6 / Litre |
|----------|-----------------------|--------|------------------------------|--------------------------|--------|-----------------------------------|--------------------------|
| 4339-10 | Clariss Cartridge S | 5 | 1.700 L | 10.200 | 4 | 1.010 L | 6.060 |
| 4339-11 | Clariss Cartridge M | 5 | 3.000 L | 18.000 | 4 | 1.790 L | 10.740 |
| 4339-12 | Clariss Cartridge L | 5 | 5.600 L | 33.600 | 4 | 3.330 L | 19.980 |
| 4339-13 | Clariss Cartridge XL | 5 | 8.000 L | 48.000 | 4 | 4.760 L | 28.560 |
| 4339-14 | Clariss Cartridge XXL | 5 | 13.200 L | 79.200 | 4 | 7.860 L | 47.160 |

claris | ultra We recommend the use of Claris ULTRA technology

| PART No. | PRODUCT | BYPASS | HARDNESS 10° kWh Capacity | DRINKS 15cl 6 / Litre | BYPASS | HIGH HARDNESS 14° kWh Capacity | DRINKS 15cl 6 / Litre |
|----------|------------------------------|--------|------------------------------|--------------------------|--------|-----------------------------------|--------------------------|
| 4339-85 | Clariss ULTRA Cartridge 170 | 6 | 1.700 L | 10.200 | 6 | 1.090 L | 6.540 |
| 4339-80 | Clariss ULTRA Cartridge 250 | 6 | 2.500 L | 15.000 | 6 | 1.610 L | 9.660 |
| 4339-81 | Clariss ULTRA Cartridge 500 | 6 | 4.200 L | 25.200 | 6 | 2.680 L | 16.080 |
| 4339-82 | Clariss ULTRA Cartridge 1000 | 6 | 8.500 L | 51.000 | 6 | 5.560 L | 33.360 |
| 4339-83 | Clariss ULTRA Cartridge 1500 | 6 | 12.100 L | 72.600 | 6 | 7.940 L | 47.640 |
| 4339-84 | Clariss ULTRA Cartridge 2000 | 6 | 20.000 L | 120.000 | 6 | 13.100 L | 78.600 |

HOT WATER BOILER

claris | ultra We recommend the use of Claris ULTRA technology

| PART No. | PRODUCT | BYPASS | HARDNESS 10° kWh CAPACITY | HIGH HARDNESS 14° kWh CAPACITY |
|----------|------------------------------|--------|------------------------------|-----------------------------------|
| 4339-85 | Clariss ULTRA Cartridge 170 | 6 | 1.700 L | 1.090 L |
| 4339-80 | Clariss ULTRA Cartridge 250 | 6 | 2.500 L | 1.610 L |
| 4339-81 | Clariss ULTRA Cartridge 500 | 6 | 4.200 L | 2.680 L |
| 4339-82 | Clariss ULTRA Cartridge 1000 | 6 | 8.500 L | 5.560 L |
| 4339-83 | Clariss ULTRA Cartridge 1500 | 6 | 12.100 L | 7.940 L |
| 4339-84 | Clariss ULTRA Cartridge 2000 | 6 | 20.000 L | 13.100 L |



claris ultra We recommend the use of Claris ULTRA technology

| PART No. | PRODUCT | BYPASS | HARDNESS 10° kH CAPACITY | Kg COFFEE ESPRESSO 30ml 10 Litre / Kg* |
|----------|-----------------------------|--------|--------------------------------|--|
| 4339-85 | Claris ULTRA Cartridge 170 | 6 | 1.500 L | 150 Kg |
| 4339-80 | Claris ULTRA Cartridge 250 | 6 | 2.250 L | 225 Kg |
| 4339-81 | Claris ULTRA Cartridge 500 | 6 | 3.750 L | 375 Kg |
| 4339-82 | Claris ULTRA Cartridge 1000 | 6 | 7.000 L | 700 Kg |
| 4339-83 | Claris ULTRA Cartridge 1500 | 6 | 10.000 L | 1.000 Kg |
| 4339-84 | Claris ULTRA Cartridge 2000 | 6 | 16.500 L | 1.650 Kg |

| PART No. | PRODUCT | BYPASS | HIGH HARDNESS 14° kH CAPACITY | Kg COFFEE ESPRESSO 30ml 10 Litre / Kg* |
|----------|-----------------------------|--------|-------------------------------------|--|
| 4339-85 | Claris ULTRA Cartridge 170 | 5 | 910 L | 91 Kg |
| 4339-80 | Claris ULTRA Cartridge 250 | 5 | 1.370 L | 137 Kg |
| 4339-81 | Claris ULTRA Cartridge 500 | 5 | 2.280 L | 228 Kg |
| 4339-82 | Claris ULTRA Cartridge 1000 | 5 | 4.440 L | 444 Kg |
| 4339-83 | Claris ULTRA Cartridge 1500 | 5 | 6.350 L | 635 Kg |
| 4339-84 | Claris ULTRA Cartridge 2000 | 5 | 10.480 L | 1.048 Kg |

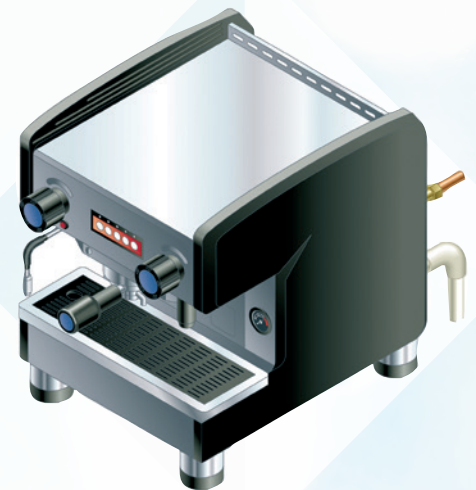
(*) 30 ml Espresso + coffee cake water + flush = +/- 70 ml water use / shot – estimated
If “longo” drinks are served (+/- 130 ml), provided Kg estimations – 50%

claris®

| PART No. | PRODUCT | BYPASS | HIGH HARDNESS 10° kH CAPACITY | Kg COFFEE ESPRESSO 30ml 10 Litre / Kg* |
|----------|----------------------|--------|-------------------------------------|--|
| 4339-10 | Claris Cartridge S | 4 | 1.500 L | 150 Kg |
| 4339-11 | Claris Cartridge M | 4 | 2.500 L | 250 Kg |
| 4339-12 | Claris Cartridge L | 4 | 4.600 L | 460 Kg |
| 4339-13 | Claris Cartridge XL | 4 | 6.600 L | 660 Kg |
| 4339-14 | Claris Cartridge XXL | 4 | 11.000 L | 1.100 Kg |

| PART No. | PRODUCT | BYPASS | HIGH HARDNESS 14° kH CAPACITY | Kg COFFEE ESPRESSO 30ml 10 Litre / Kg* |
|----------|----------------------|--------|-------------------------------------|--|
| 4339-10 | Claris Cartridge S | 3 | 920 L | 92 Kg |
| 4339-11 | Claris Cartridge M | 3 | 1.530 L | 153 Kg |
| 4339-12 | Claris Cartridge L | 3 | 2.820 L | 282 Kg |
| 4339-13 | Claris Cartridge XL | 3 | 4.040 L | 404 Kg |
| 4339-84 | Claris Cartridge XXL | 3 | 6.730 L | 673 Kg |

(*) 30 ml Espresso + coffee cake water + flush = +/- 70 ml water use / shot – estimated If “longo” drinks are served (+/- 130 ml), provided Kg estimations – 50%



COMBI STEAM OVEN

claris® We recommend the use of Claris on direct injection

| PART No. | PRODUCT | BYPASS | LOW HARDNESS 10° KH CAPACITY | HIGH HARDNESS 14° KH CAPACITY |
|----------|----------------------|--------|---------------------------------|----------------------------------|
| 4339-10 | Claris Cartridge S | 0 | 900 L | 640 L |
| 4339-11 | Claris Cartridge M | 0 | 1.500 L | 1.070 L |
| 4339-12 | Claris Cartridge L | 0 | 2.800 L | 2.000 L |
| 4339-13 | Claris Cartridge XL | 0 | 4.000 L | 2.860 L |
| 4339-84 | Claris Cartridge XXL | 0 | 6.600 L | 4.710 L |

We recommend the use of Claris on Steamer with Boiler

| PART No. | PRODUCT | BYPASS | LOW HARDNESS 10° KH CAPACITY | HIGH HARDNESS 14° KH CAPACITY |
|----------|----------------------|--------|---------------------------------|----------------------------------|
| 4339-10 | Claris Cartridge S | 2 | 1.130 L | 800 L |
| 4339-11 | Claris Cartridge M | 2 | 1.880 L | 1.340 L |
| 4339-12 | Claris Cartridge L | 2 | 3.500 L | 2.500 L |
| 4339-13 | Claris Cartridge XL | 2 | 5.000 L | 3.570 L |
| 4339-84 | Claris Cartridge XXL | 2 | 8.250 L | 5.890 L |

claris | ultra When corrosion is an issue, we recommend the use of Claris ULTRA for Steamer with boiler

| PART No. | PRODUCT | BYPASS | LOW HARDNESS 10° KH CAPACITY | HIGH HARDNESS 14° KH CAPACITY |
|----------|-----------------------------|--------|---------------------------------|----------------------------------|
| 4339-85 | Claris ULTRA Cartridge 170 | 4 / 3 | 1.000 L | 600 L |
| 4339-80 | Claris ULTRA Cartridge 250 | 4 / 3 | 1.500 L | 920 L |
| 4339-81 | Claris ULTRA Cartridge 500 | 4 / 3 | 2.500 L | 1.530 L |
| 4339-82 | Claris ULTRA Cartridge 1000 | 4 / 3 | 4.600 L | 2.820 L |
| 4339-83 | Claris ULTRA Cartridge 1500 | 4 / 3 | 6.600 L | 4.040 L |
| 4339-84 | Claris ULTRA Cartridge 2000 | 4 / 3 | 11.000 L | 6.730 L |

claris® prime

When Chloride and Sulphate levels are problematic (> 50 mg/l) upgrade to the ultimate problem solving Claris filter - Claris Prime.

Claris Demineralization and sequestering technology PRIME

Focused to remove Chlorides and many other problematic contaminants



ICE MAKING EQUIPMENT

claris | ultra We recommend the use of Claris ULTRA technology

| PART No. | PRODUCT | BYPASS | LOW HARDNESS 10° KH CAPACITY | HIGH HARDNESS 14° KH CAPACITY |
|----------|-----------------------------|--------|---------------------------------|----------------------------------|
| 4339-85 | Claris ULTRA Cartridge 170 | 6 | 1.700 L | 1.090 L |
| 4339-80 | Claris ULTRA Cartridge 250 | 6 | 2.500 L | 1.610 L |
| 4339-81 | Claris ULTRA Cartridge 500 | 6 | 4.200 L | 2.680 L |
| 4339-82 | Claris ULTRA Cartridge 1000 | 6 | 8.500 L | 5.560 L |
| 4339-83 | Claris ULTRA Cartridge 1500 | 6 | 12.100 L | 7.940 L |
| 4339-84 | Claris ULTRA Cartridge 2000 | 6 | 20.000 L | 13.100 L |



DISH WASHING EQUIPMENT

claris **ultra**

We recommend the use of Claris ULTRA technology for scale prevention

| PART No. | PRODUCT | BYPASS | LOW HARDNESS 10° KH CAPACITY | HIGH HARDNESS 14° KH CAPACITY |
|----------|-----------------------------|--------|---------------------------------|----------------------------------|
| 4339-85 | Claris ULTRA Cartridge 170 | 6 | 1.700 L | 1.090 L |
| 4339-80 | Claris ULTRA Cartridge 250 | 6 | 2.500 L | 1.610 L |
| 4339-81 | Claris ULTRA Cartridge 500 | 6 | 4.200 L | 2.680 L |
| 4339-82 | Claris ULTRA Cartridge 1000 | 6 | 8.500 L | 5.560 L |
| 4339-83 | Claris ULTRA Cartridge 1500 | 6 | 12.100 L | 7.940 L |
| 4339-84 | Claris ULTRA Cartridge 2000 | 6 | 20.000 L | 13.100 L |



GLASS WASHING EQUIPMENT

claris® We recommend the use of Claris technology for spot free dishes and glasses

| °dH TOTAL HARDNESS | As°KH CaCO3 | TDS ppm | BYPASS | LITRES CAPACITY RECOMMENDATION IF 70% TDS IS CaCO3 | | | TDS ppm | CONDUCTIVITY µS/cm |
|---|----------------|------------|--------|---|-------|--------|------------|-----------------------|
| | | | | L | XL | XXL | | |
| FEED WATER | | | | FILTRATE | | | | |
| Application Range for Glass Dishwasher if 200 µS/cm accepted | | | | | | | | |
| 9 | 6 | 153 | 5 | 9.333 | 1.333 | 22.000 | 100 | 199 |
| 10 | 7 | 178 | 4 | 6.667 | 9.524 | 15.714 | 103 | 206 |
| 11 | 8 | 203 | 3 | 5.000 | 7.143 | 11.786 | 104 | 207 |
| 13 | 9 | 229 | 2 | 3.889 | 5.556 | 9.167 | 101 | 201 |
| 14 | 10 | 254 | 1 | 3.111 | 4.444 | 7.333 | 94 | 188 |
| 16 | 11 | 280 | 1 | 2.828 | 4.040 | 6.667 | 103 | 207 |
| 17 | 12 | 305 | 0 | 2.333 | 3.333 | 5.500 | 92 | 183 |
| 19 | 13 | 331 | 0 | 2.154 | 3.077 | 5.077 | 99 | 198 |
| 20 | 14 | 356 | 0 | 2.000 | 2.857 | 4.714 | 107 | 214 |
| 21 | 15 | 381 | 0 | 1.867 | 2.667 | 4.400 | 114 | 229 |

Application Range for Glass Dishwasher if 300 µS/cm accepted

| | | | | | | | | |
|----|----|-----|---|-------|-------|-------|-----|-----|
| 23 | 16 | 407 | 0 | 1.750 | 2.500 | 4.125 | 122 | 244 |
| 24 | 17 | 432 | 0 | 1.647 | 2.353 | 3.882 | 130 | 259 |
| 27 | 19 | 483 | 0 | 1.474 | 2.105 | 3.474 | 145 | 290 |
| 30 | 21 | 534 | 0 | 1.333 | 1.905 | 3.143 | 160 | 320 |
| 33 | 23 | 585 | 0 | 1.217 | 1.739 | 2.870 | 175 | 351 |
| 37 | 26 | 661 | 0 | 1.077 | 1.538 | 2.538 | 198 | 397 |

SYSTEM FILTER HEAD

One filter. One filter head!

| PART No. | DESCRIPTION | BYPASS PRE SET | AUTOMATIC SHUT OFF | NON RETURN VALVE | FLUSH VALVE | BYPASS OPTIONS |
|----------|--|----------------|--------------------|------------------|-------------|----------------|
| 4339-20 | Filter Head 3/8" IN and OUT right | 3 | • | • | • | 7 |
| 4339-21 | Filter Head 3/8" IN left / OUT right | 3 | • | • | • | 7 |
| 4339-90 | Filter Head GEN2 3/8" | 5 | • | • | • | 7 |
| 4339-92 | Filter Head GEN2 3/8" Quick Connect | 5 | • | | • | 7 |
| 4339-93 | Filter Head GEN2 8mm Quick Connect | 5 | • | | • | 7 |
| 4339-30 | Clariss Digital Flow meter | 3/8" BSP | | | | |
| 4339-50 | Connection Hose 3/8"F - 3/8"F | 1500mm | | | | |
| 4339-51 | Connection Hose 3/8"F - 3/4"F | 1500mm | | | | |
| 4339-40 | Clariss Alkalinity Test Kit (Carbonates) | | | | | |



Big flush valve

INcoming and OUTgoing valve

Flow automatically closed on filter cartridge turn

Built in non return valve

Internal adjustable bypass



Industriepark Wolfstee, Toekomstlaan 30, B-2200 Herentals, Belgium
 TELEPHONE +32 142 83504 FAX +32 142 83505
 EMAIL sales@everpure-europe.com WEBSITE www.pentairfoodservice.eu

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ISSUE: September 2016