

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

# CLARIS FILTERS

## One brand. Every application.

claris®

### CONTENTS

ABOUT EVERPURE FILTERS .....	01
TECHNICAL DATA - Claris Filters .....	02
TECHNICAL DATA - Claris Ultra Filters .....	02
TECHNICAL DATA - Claris Prime Filters .....	02
FILTER RANGE APPLICATION .....	03
FILTERS for VENDING and HOT DRINKS .....	03
FILTERS for HOT WATER BOILERS .....	03
FILTERS for ESPRESSO MACHINES .....	04
FILTERS for COMBI STEAM OVENS .....	05
FILTERS for ICE MAKING EQUIPMENT .....	05
FILTERS for DISH WASHING MACHINES .....	06
SYSTEM FILTER HEADS .....	07

### 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%

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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<sup>®</sup>

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



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