



claris | watertechnology

NEW CLARIS XXL

## Water filter system for coffee, vending and catering machines



The new CLARIS water filter systems has been designed down to the last detail to cater for the exacting requirements of quality and service in the foodservice market. The unique Claris water filter system combines sophisticated filtration technology with smart engineering excellence in a 5 Stage filtration process setting a new standard in the Catering and Vending industry. Thanks to the DUOBLEND® bypass valve technology, the CLARIS filter system allows a consistent and precise adaptation of the carbonate hardness level to match the requirements of current machine technology enabling individual consumer to make best use of the total filter capacity.



### A modular filter concept for changing market requirements

- Unique features at best price/value ratio
- Cartridge replaced in seconds “twist off – twist on”
- Automatic Inlet and outlet shut off and pressure release valves
- Multi-functional connection head fits to all Claris filter cartridge sizes
- Air vent/flushing directly at the filter head, no need to disconnect tubes

### Protection for your machine – perfection for your customers

- Reduced service costs due to no down-time caused by lime scale
- Coffee with perfect crema, full flavour and pleasant aroma
- Avoid equipment down time and disappointed customers

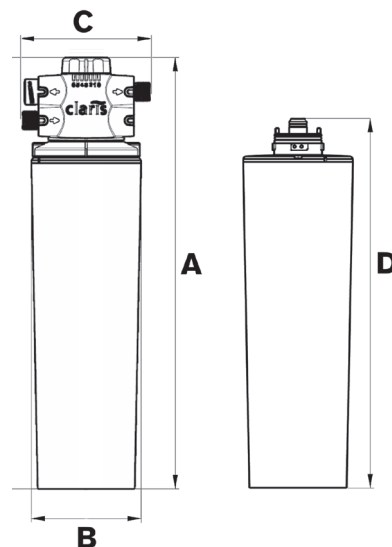
### When technology counts - Claris delivers

- DUOBLEND® bypass technology for the precise adjustment of carbonate hardness
- 5 stage filtration process with 5 µm membrane type carbon block filter
- Removes carbonate hardness, colour, unpleasant odours and tastes
- Operates in vertical or horizontal positions
- Filtration of all water passing through the system.

### Technical data

Dimensions	S	M	L	XL	XXL *	
Height, filter system (A)	[mm]	365	475	410	525	525
Diameter of filter cartridges (B)	[mm]	95	95	136	136	175
Max. breadth filter head (C)	[mm]	110	110	110	110	110
Height, filter cartridge (D)	[mm]	315	425	360	475	475
Min. distance from ground	[mm]	40	40	40	40	40
Weight, filter cartridge	[kg]	1.3	1.8	3.2	4.3	6.5
<b>Operating data</b>						
Max. system pressure				2 - 8 bar		
Water temperature / ambient temperature				4° - 30° C		
<b>Order information</b>						
Filter system, 3/8" thread in left/out right	4339-00	4339-01	4339-02	4339-03	4339-04	
Filter cartridges	4339-10	4339-11	4339-12	4339-13	4339-14	
Single filter head 3/8" thread, in & out on left			4339-20			
Single filter head 3/8" thread, in left/out right			4339-21			
Single filter head 3/8" - QCF, in & out on left			4339-22			
Single filter head 3/8" - QCF, in left/out right			4339-23			
Single filter head 1/4" - QCF, in & out on left			4339-24			
Single filter head 1/4" - QCF, in left/out right			4339-25			
Flow Sensor with programming and display unit (3/8")			4339-30			
Test kit for determining carbonate hardness			4339-40			
Connection hose, 1500mm, 3/8" x 3/8" connection			4339-50			
Connection hose, 1500mm, 3/8" x 3/4" connection			4339-51			

NEW



\* NSF, ACS, DM 174 pending (XXL)



System Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of Chlorine taste and odor.

## Settings / Capacities for Coffee and Vending machines



### Coffee-Espresso

°KH	°Clarke	PPM	°FH	Bypass-levels	capacity in liters				
					S	M	L	XL	XXL
<6	7.5	107	10.7	5	3'000	5'000	9'200	13'200	22'000
7	8.8	125	12.5	5	2'570	4'280	7'890	11'310	18'860
8	10.0	143	14.3	4	1'870	3'120	5'750	8'250	13'750
9	11.3	161	16.1	4	1'670	2'780	5'110	7'330	12'220
10	12.5	179	17.9	4	1'500	2'500	4'600	6'600	11'000
11	13.8	196	19.6	4	1'360	2'270	4'180	6'000	10'000
12	15.0	214	21.4	3	1'070	1'790	3'290	4'710	7'860
13	16.3	232	23.2	3	990	1'650	3'030	4'350	7'250
14	17.5	250	25.0	3	920	1'530	2'820	4'040	6'730
15	18.8	268	26.8	3	860	1'430	2'630	3'770	6'290
16	20.0	286	28.6	3	800	1'340	2'470	3'540	5'890
17	21.3	304	30.4	3	760	1'260	2'320	3'330	5'550
19	23.8	339	33.9	3	680	1'130	2'070	2'980	4'960
21	26.3	375	37.5	2	540	890	1'640	2'360	3'930
23	28.8	411	41.1	2	490	810	1'500	2'150	3'590
26	32.5	464	46.4	2	430	720	1'330	1'900	3'170
29	36.3	518	51.8	2	390	650	1'190	1'710	2'840
33	41.3	589	58.9	2	340	570	1'040	1'500	2'500
38	47.5	679	67.9	2	300	490	910	1'300	2'170

The COFFEE-ESPRESSO application describes the production of hot drinks with steam operation.  
-The stated capacities are intended as guidelines. The capacities may vary according to dispensed volume and machine type. Please contact us for recommendations.

### Vending

°KH	°Clarke	PPM	°FH	Bypass-levels	capacity in liters				
					S	M	L	XL	XXL
<6	7.5	107	10.7	6	3'540	6'250	11'670	16'670	27'500
7	8.8	125	12.5	6	3'040	5'360	10'000	14'280	23'570
8	10.0	143	14.3	5	2'120	3'750	7'000	10'000	16'500
9	11.3	161	16.1	5	1'890	3'330	6'220	8'890	14'670
10	12.5	179	17.9	5	1'700	3'000	5'600	8'000	13'200
11	13.8	196	19.6	5	1'550	2'730	5'090	7'270	12'000
12	15.0	214	21.4	4	1'180	2'080	3'890	5'550	9'170
13	16.3	232	23.2	4	1'090	1'920	3'590	5'130	8'460
14	17.5	250	25.0	4	1'010	1'790	3'330	4'760	7'860
15	18.8	268	26.8	4	940	1'670	3'110	4'440	7'330
16	20.0	286	28.6	4	880	1'560	2'920	4'170	6'880
17	21.3	304	30.4	4	830	1'470	2'750	3'920	6'470
19	23.8	339	33.9	4	750	1'320	2'460	3'510	5'790
21	26.3	375	37.5	3	580	1'020	1'900	2'720	4'490
23	28.8	411	41.1	3	530	930	1'740	2'480	4'100
26	32.5	464	46.4	3	470	820	1'540	2'200	3'630
29	36.3	518	51.8	3	420	740	1'380	1'970	3'250
33	41.3	589	58.9	3	370	650	1'210	1'730	2'860
38	47.5	679	67.9	3	320	560	1'050	1'310	2'480

The VENDING application describes the production of hot drinks without steam operation.  
-The stated capacities are intended as guidelines. The capacities may vary according to dispensed volume and machine type. Please contact us for recommendations.

## Settings / Capacities for Combi Steamers / Self-Cooking Systems / Steam Cookers / Ovens



### Direct Injection

°KH	°Clarke	PPM	°FH	Bypass-levels	capacity in liters				
					S	M	L	XL	XXL
<6	7.5	107	10.7	0	1'500	2'500	4'660	6'670	11'000
7	8.8	125	12.5	0	1'290	2'140	4'000	5'710	9'430
8	10.0	143	14.3	0	1'130	1'880	3'500	5'000	8'250
9	11.3	161	16.1	0	1'000	1'670	3'110	4'440	7'330
10	12.5	179	17.9	0	900	1'500	2'800	4'000	6'600
11	13.8	196	19.6	0	820	1'360	2'550	3'640	6'000
12	15.0	214	21.4	0	750	1'250	2'330	3'330	5'500
13	16.3	232	23.2	0	690	1'150	2'150	3'080	5'080
14	17.5	250	25.0	0	640	1'070	2'000	2'860	4'710
15	18.8	268	26.8	0	600	1'000	1'870	2'670	4'400
16	20.0	286	28.6	0	560	940	1'750	2'500	4'120
17	21.3	304	30.4	0	530	880	1'650	2'350	3'880
19	23.8	339	33.9	0	470	790	1'470	2'100	3'470
21	26.3	375	37.5	0	430	710	1'330	1'900	3'140
23	28.8	411	41.1	0	390	650	1'220	1'740	2'870
26	32.5	464	46.4	0	350	580	1'070	1'540	2'540
29	36.3	518	51.8	0	310	520	960	1'380	2'270
33	41.3	589	58.9	0	270	450	850	1'210	2'000
38	47.5	679	67.9	0	240	390	730	1'050	1'740

Capacities are intended as guidelines and can vary according the machine typ.  
Please contact us for recommendations.

### Boiler System

°KH	°Clarke	PPM	°FH	Bypass-levels	capacity in liters				
					S	M	L	XL	XXL
<6	7.5	107	10.7	3	2'140	3'570	6'670	9'520	15'710
7	8.8	125	12.5	3	1'840	3'060	5'710	8'160	13'470
8	10.0	143	14.3	2	1'410	2'340	4'370	6'250	10'310
9	11.3	161	16.1	2	1'250	2'080	3'890	5'550	9'170
10	12.5	179	17.9	2	1'130	1'880	3'500	5'000	8'250
11	13.8	196	19.6	2	1'020	1'700	3'180	4'550	7'500
12	15.0	214	21.4	2	940	1'560	2'920	4'170	6'870
13	16.3	232	23.2	2	870	1'440	2'690	3'850	6'350
14	17.5	250	25.0	2	800	1'340	2'500	3'570	5'890
15	18.8	268	26.8	2	750	1'250	2'330	3'330	5'500
16	20.0	286	28.6	2	700	1'170	2'190	3'120	5'160
17	21.3	304	30.4	2	660	1'100	2'060	2'940	4'850
19	23.8	339	33.9	2	590	990	1'840	2'630	4'340
21	26.3	375	37.5	1	480	790	1'480	2'120	3'490
23	28.8	411	41.1	1	430	720	1'350	1'930	3'190
26	32.5	464	46.4	1	380	640	1'200	1'710	2'820
29	36.3	518	51.8	1	340	570	1'070	1'530	2'530
33	41.3	589	58.9	1	300	510	940	1'340	2'220
38	47.5	679	67.9	1	260	440	820	1'170	1'930

Capacities are intended as guidelines and can vary according the machine typ.  
Please contact us for recommendations.

## Swiss Technology – Worldwide Competence – Leading Brands

Everpure, part of the Water Technologies Group of Pentair, Inc. is a leading foodservice industry supplier, has been manufacturing commercial water treatment products, solutions and services worldwide since 1933.

CLARIS is a registered trademark of the Aquis GmbH in Switzerland. CLARIS has become the leading brand and the synonymous for integrated water filter solutions for domestic espresso machines.