

# TABLE OF BY-PASSES AND CAPACITIES

## PURITY Quell ST



Carbonate hardness °dH	Recommended by-pass setting	Filter capacity in litres		
		PURITY 450	PURITY 600	PURITY 1200
<b>Coffee, espresso and vending machines</b>				
4	50%	8.250	14.100	25.800
5	50%	8.250	14.100	25.800
6	50%	8.250	14.100	25.800
7	50%	7.071	12.086	22.114
8	50%	6.188	10.575	19.350
9	50%	5.500	9.400	17.200
10	40%	4.217	7.207	13.187
11	40%	3.883	6.552	11.988
12	30%	3.077	5.260	9.624
13	30%	2.841	4.855	8.884
14	30%	2.638	4.508	8.249
15	30%	2.462	4.208	7.699
16	30%	2.308	3.945	7.218
17	30%	2.172	3.713	6.793
18	30%	2.052	3.506	6.416
19	30%	1.944	3.322	6.078
20	20%	1.650	2.820	5.160
21	20%	1.571	2.686	4.914
22	20%	1.500	2.564	4.691
23	20%	1.435	2.452	4.487
24	20%	1.375	2.350	4.300
25	20%	1.320	2.256	4.128
28	20%	1.179	2.014	3.686
31	20%	1.065	1.819	3.329
35	20%	943	1.611	2.949
<b>Combi ovens and conventional ovens</b>				
4	10%	4.991	8.530	15.607
5	10%	4.991	8.530	15.607
6	10%	4.991	8.530	15.607
7	10%	4.278	7.311	13.378
8	10%	3.743	6.397	11.706
9	10%	3.327	5.686	10.405
10	10%	2.994	5.118	9.364
11	10%	2.722	4.653	8.513
12	10%	2.495	4.265	7.804
13	10%	2.303	3.937	7.203
14	10%	2.139	3.656	6.689
15	10%	1.996	3.412	6.243
16	10%	1.872	3.199	5.853
17	10%	1.761	3.010	5.508
18	10%	1.664	2.843	5.202
19	10%	1.576	2.694	4.929
20	10%	1.497	2.559	4.682
21	10%	1.426	2.437	4.459
22	10%	1.361	2.326	4.257
23	10%	1.302	2.225	4.071
24	10%	1.248	2.132	3.902
25	10%	1.198	2.047	3.746
28	10%	1.069	1.828	3.344
31	10%	966	1.651	3.021
35	10%	856	1.462	2.676

## PURITY Finest C500



Total hardness °dH	Recommended by-pass setting	Filter capacity in litres
		PURITY Finest C500
<b>Coffee and espresso machines</b>		
4	0%	5.690
5	0%	5.690
6	0%	5.690
7	0%	4.877
8	0%	4.268
9	0%	3.793
10	0%	3.414
11	0%	3.104
12	0%	2.845
13	0%	2.626
14	0%	2.439
15	0%	2.276
16	0%	2.134
17	0%	2.008
18	0%	1.897
19	0%	1.797
20	0%	1.707
21	0%	1.626
22	0%	1.552
23	0%	1.484
24	0%	1.423
25	0%	1.366
26	0%	1.313
27	0%	1.264
28	0%	1.219
29	0%	1.177
30	0%	1.138
31	0%	1.101
32	0%	1.067
33	0%	1.035
34	0%	1.004
35	0%	975

## PURITY Finest



Total hardness °dH	Recommended by-pass setting	Filter capacity in litres	
		PURITY Finest 600	PURITY Finest 1200
4	0%	7.333	13.583
5	0%	7.333	13.583
6	0%	7.333	13.583
7	0%	6.286	11.643
8	0%	5.500	10.188
9	0%	4.889	9.056
10	0%	4.400	8.150
11	0%	4.000	7.409
12	0%	3.667	6.792
13	0%	3.385	6.269
14	0%	3.143	5.821
15	0%	2.933	5.433
16	0%	2.750	5.094
17	0%	2.588	4.794
18	0%	2.444	4.528
19	0%	2.316	4.289
20	0%	2.200	4.075
21	0%	2.095	3.881
23	0%	1.913	3.543
25	0%	1.760	3.260
28	0%	1.571	2.911
31	0%	1.419	2.629
35	0%	1.257	2.329

## PURITY Fresh C50



Vending machines and coffee machines in soft water areas

filter capacity in litres

12.000 litres

## PURITY C1000 AC



Cooler

filter capacity in litres

10.000 litres

**Note:** The stated capacities have been tested and calculated on the basis of common application and machine conditions. External factors (such as fluctuating crude water quality and/or machine type) can cause deviations from this information.

# TABLE OF BY-PASSES AND CAPACITIES

## PURITY 1200 Clean



Carbonate hardness	By-pass setting 0%	By-pass setting 10%
°dH	Volume in litres	Volume in litres
4	30.000	32.667
5	24.000	26.133
6	20.000	21.778
7	17.143	18.667
8	15.000	16.333
9	13.333	14.519
10	12.000	13.067
11	10.909	11.879
12	10.000	10.889
13	9.231	10.051
14	8.571	9.333
15	8.000	8.711
16	7.500	8.167
17	7.059	7.686
18	6.667	7.259
19	6.316	6.877
20	6.000	6.533
21	5.714	6.222
23	5.217	5.681
25	4.800	5.227
28	4.286	4.667
31	3.871	4.215
35	3.429	3.733

## PURITY 1200 Clean Extra



Gesamthärte	By-pass setting 0%	By-pass setting 10%
°dH	Volume in litres	Volume in litres
4	12.500	13.611
5	10.000	10.889
6	8.333	9.074
7	7.143	7.778
8	6.250	6.806
9	5.556	6.049
10	5.000	5.444
11	4.545	4.949
12	4.167	4.537
13	3.846	4.188
14	3.571	3.889
15	3.333	3.630
16	3.125	3.403
17	2.941	3.203
18	2.778	3.025
19	2.632	2.865
20	2.500	2.722
21	2.381	2.593
23	2.174	2.367
25	2.000	2.178
28	1.786	1.944
31	1.613	1.756
35	1.429	1.556

## PURITY Steam



Carbonate hardness °dH	PURITY 450 Steam			PURITY 600 Steam			PURITY 1200 Steam		
	By-pass setting			By-pass setting			By-pass setting		
	0	1 / 2	3	0	1 / 2	3	0	1 / 2	3
4	5.633	6.134	6.760	8.833	9.619	10.600	16.530	17.999	19.836
5	5.633	6.134	6.760	8.833	9.619	10.600	16.530	17.999	19.836
6	5.633	6.134	6.760	8.833	9.619	10.600	16.530	17.999	19.836
7	4.829	5.258	5.794	7.571	8.244	9.086	14.169	15.428	17.002
8	4.225	4.601	5.070	6.625	7.214	7.950	12.398	13.500	14.877
9	3.756	4.089	4.507	5.889	6.412	7.067	11.020	12.000	13.224
10	3.380	3.680	4.056	5.300	5.771	6.360	9.918	10.800	11.902
11	3.073	3.346	3.687	4.818	5.246	5.782	9.016	9.818	10.820
12	2.817	3.067	3.380	4.417	4.809	5.300	8.265	9.000	9.918
13	2.600	2.831	3.120	4.077	4.439	4.892	7.629	8.307	9.155
14	2.414	2.629	2.897	3.786	4.122	4.543	7.084	7.714	8.501
15	2.253	2.454	2.704	3.533	3.847	4.240	6.612	7.200	7.934
16	2.113	2.300	2.535	3.313	3.607	3.975	6.199	6.750	7.439
17	1.988	2.165	2.386	3.118	3.395	3.741	5.834	6.353	7.001
18	1.878	2.045	2.253	2.944	3.206	3.533	5.510	6.000	6.612
19	1.779	1.937	2.135	2.789	3.037	3.347	5.220	5.684	6.264
20	1.690	1.840	2.028	2.650	2.886	3.180	4.959	5.400	5.951
21	1.610	1.753	1.931	2.524	2.748	3.029	4.723	5.143	5.667
23	1.470	1.600	1.763	2.304	2.509	2.765	4.312	4.695	5.175
25	1.352	1.472	1.622	2.120	2.308	2.544	3.967	4.320	4.761
28	1.207	1.314	1.449	1.893	2.061	2.271	3.542	3.857	4.251
31	1.090	1.187	1.308	1.710	1.862	2.052	3.199	3.484	3.839
35	966	1.052	1.159	1.514	1.649	1.817	2.834	3.086	3.400

### Recommended by-pass setting

The by-pass position can be adjusted to the local water quality or the machine type.

The following recommendations for by-pass settings apply by default:

**Position 0:** All devices in areas with an extremely high water hardness level (Temporary hardness 22 °KH and higher)

**Position 1:** Combi ovens and conventional ovens with direct injection system.

**Position 2:** Combi ovens and conventional ovens with boiler system.

**Position 3:** All devices in soft water areas (Temporary hardness up to 7 °KH).

You can obtain individual recommendations from your BRITA contact.

**Note:** The stated capacities have been tested and calculated on the basis of common application and machine conditions. External factors (such as fluctuating crude water quality and/or machine type) can cause deviations from this information.

