IEN-1500 (Ion Exchange Filter) - Estimated Capacity

- This table on estimated capacity of IER Filter (IEN-1500) is made from the request of H2O DIRECT LTD
- Estimated capacities were derived from the Bypass (purified water ratio that is not passing through IER) amount
- Estimated capacities were calculated from the converted amount for the removable amount of Ca, Mg, assuming 4.0 eq/L of weak acid cation exchange resin
- Estimated Capacities

Hardness (°DH)	Hardness (PPM)	Capacities (L) according to Fixed 30% Bypass								Remark
		0%	10%	20%	30%	40%	50%	60%	70%	
4	71.2	-	-	-	3831	-	-	-	-	
5	89	-	-	-	3065	-	-	-	-	
6	106.8	-	-	-	2554	-	-	-	-	
7	124.6	-	-	-	1669	-	-	-	-	
8	142.4	-	-	-	1915	-	-	-	-	
9	160.2	-	-	-	1703	-	-	-	-	
10	178	-	-	-	1532	-	-	-	-	
11	195.8	-	-	-	1393	-	-	-	-	
12	213.6	-	-	-	1277	-	-	-	-	
13	231.4	-	-	-	1179	-	-	-	-	
14	249.2	-	-	-	1095	-	-	-	-	
15	267	-	-	-	1022	-	-	-	-	
16	284.8	-	-	-	958	-	-	-	-	
17	302.6	-	-	-	901	-	-	-	-	
18	320.4	-	-	-	851	-	-	-	-	
19	338.2	-	-	-	807	-	-	-	-	
20	356	-	-	-	766	-	-	-	-	
21	373.8	-	-	-	556	-	-	-	-	
22	391.6	-	-	-	697	-	-	-	-	
23	409.4	-	-	-	666	-	-	-	-	
24	427.2	-	-	-	638	-	-	-	-	
25	445	-	-	-	613	-	-	-	-	
26	462.8	-	-	-	589	-	-	-	-	
27	480.6	-	-	-	568	-	-	-	-	
28	498.4	-	-	-	547	-	-	-	-	
29	516.2	-	-	-	528	-	-	-	-	
30	534	-	-	-	511	-	-	-	-	
31	551.8	-	-	-	494	-	-	-	-	
32	569.6	-	-	-	479	-	-	-	-	
33	587.4	-	-	-	464	-	-	-	-	
34	605.2	-	-	-	451	-	-	-	-	
35	623	-	-	-	438	-	-	-	-	
Coffee Machine					●					
Espresso Machine					●					
Vending Machine					●					
Combi Ovens										
Conventional Ovens										

※ The above capacities are based on the calculated value by prediction formula

IEN-3000 (Ion Exchange Filter) - Estimated Capacity

- This table on estimated capacity of IER Filter (IEN-3000) is made from the request of H2O DIRECT LTD

- Estimated capacities were derived from the Bypass (purified water ratio that is not passing through IER) amount

- Estimated capacities were calculated from the converted amount for the removable amount of Ca, Mg,
  assuming 4.0 eq/L of weak acid cation exchange resin

- Estimated Capacities

Hardness (°DH)	Hardness (PPM)	Capacities (L) according to Fixed 30% Bypass								Remark
		0%	10%	20%	30%	40%	50%	60%	70%	
4	71.2	-	-	-	7515	-	-	-	-	
5	89	-	-	-	6012	-	-	-	-	
6	106.8	-	-	-	5010	-	-	-	-	
7	124.6	-	-	-	4294	-	-	-	-	
8	142.4	-	-	-	3757	-	-	-	-	
9	160.2	-	-	-	3340	-	-	-	-	
10	178	-	-	-	3006	-	-	-	-	
11	195.8	-	-	-	2733	-	-	-	-	
12	213.6	-	-	-	2505	-	-	-	-	
13	231.4	-	-	-	2312	-	-	-	-	
14	249.2	-	-	-	2148	-	-	-	-	
15	267	-	-	-	2004	-	-	-	-	
16	284.8	-	-	-	1879	-	-	-	-	
17	302.6	-	-	-	1768	-	-	-	-	
18	320.4	-	-	-	1670	-	-	-	-	
19	338.2	-	-	-	1582	-	-	-	-	
20	356	-	-	-	1502	-	-	-	-	
21	373.8	-	-	-	1432	-	-	-	-	
22	391.6	-	-	-	1367	-	-	-	-	
23	409.4	-	-	-	1307	-	-	-	-	
24	427.2	-	-	-	1252	-	-	-	-	
25	445	-	-	-	1202	-	-	-	-	
26	462.8	-	-	-	1157	-	-	-	-	
27	480.6	-	-	-	1113	-	-	-	-	
28	498.4	-	-	-	1073	-	-	-	-	
29	516.2	-	-	-	1036	-	-	-	-	
30	534	-	-	-	1003	-	-	-	-	
31	551.8	-	-	-	970	-	-	-	-	
32	569.6	-	-	-	939	-	-	-	-	
33	587.4	-	-	-	911	-	-	-	-	
34	605.2	-	-	-	883	-	-	-	-	
35	623	-	-	-	858	-	-	-	-	
Coffee Machine					●					
Espresso Machine					●					
Vending Machine					●					
Combi Ovens										
Conventional Ovens										

※ The above capacities are bason on the calculated value by prediction formula

IEN-6000 (Ion Exchange Filter) - Estimated Capacity

- This table on estimated capacity of IER Filter (IEN-6000) is made from the request of H2O DIRECT LTD

- Estimated capacities were derived from the Bypass (purified water ratio that is not passing through IER) amount

- Estimated capacities were calculated from the converted amount for the removable amount of Ca, Mg, assuming 4.0 eq/L of weak acid cation exchange resin

- Estimated Capacities

Hardness (°DH)	Hardness (PPM)	Capacities (L) according to Fixed 30% Bypass								Remark
		0%	10%	20%	30%	40%	50%	60%	70%	
4	71.2	-	-	-	10651	-	-	-	-	
5	89	-	-	-	9832	-	-	-	-	
6	106.8	-	-	-	9321	-	-	-	-	
7	124.6	-	-	-	8570	-	-	-	-	
8	142.4	-	-	-	7500	-	-	-	-	
9	160.2	-	-	-	6667	-	-	-	-	
10	178	-	-	-	6002	-	-	-	-	
11	195.8	-	-	-	5455	-	-	-	-	
12	213.6	-	-	-	5000	-	-	-	-	
13	231.4	-	-	-	4615	-	-	-	-	
14	249.2	-	-	-	4286	-	-	-	-	
15	267	-	-	-	4001	-	-	-	-	
16	284.8	-	-	-	3751	-	-	-	-	
17	302.6	-	-	-	3530	-	-	-	-	
18	320.4	-	-	-	3334	-	-	-	-	
19	338.2	-	-	-	3158	-	-	-	-	
20	356	-	-	-	3001	-	-	-	-	
21	373.8	-	-	-	2856	-	-	-	-	
22	391.6	-	-	-	2726	-	-	-	-	
23	409.4	-	-	-	2609	-	-	-	-	
24	427.2	-	-	-	2500	-	-	-	-	
25	445	-	-	-	2400	-	-	-	-	
26	462.8	-	-	-	2310	-	-	-	-	
27	480.6	-	-	-	2222	-	-	-	-	
28	498.4	-	-	-	2143	-	-	-	-	
29	516.2	-	-	-	2070	-	-	-	-	
30	534	-	-	-	2000	-	-	-	-	
31	551.8	-	-	-	1934	-	-	-	-	
32	569.6	-	-	-	1874	-	-	-	-	
33	587.4	-	-	-	1819	-	-	-	-	
34	605.2	-	-	-	1764	-	-	-	-	
35	623	-	-	-	1714	-	-	-	-	
Coffee Machine					●					
Espresso Machine					●					
Vending Machine					●					
Combi Ovens										
Conventional Ovens										

※ The above capacities are bason on the calculated value by prediction formula

IEN-9000 (Ion Exchange Filter) - Estimated Capacity

- This table on estimated capacity of IER Filter (IEN-9000) is made from the request of H2O DIRECT LTD

- Estimated capacities were derived from the Bypass (purified water ratio that is not passing through IER) amount

- Estimated capacities were calculated from the converted amount for the removable amount of Ca, Mg, assuming 4.0 eq/L of weak acid cation exchange resin

- Estimated Capacities

Hardness (°DH)	Hardness (PPM)	Capacities (L) according to Fixed 30% Bypass								Remark
		0%	10%	20%	30%	40%	50%	60%	70%	
4	71.2	-	-	-	20984	-	-	-	-	
5	89	-	-	-	18000	-	-	-	-	
6	106.8	-	-	-	15000	-	-	-	-	
7	124.6	-	-	-	12857	-	-	-	-	
8	142.4	-	-	-	11250	-	-	-	-	
9	160.2	-	-	-	9999	-	-	-	-	
10	178	-	-	-	9000	-	-	-	-	
11	195.8	-	-	-	8181	-	-	-	-	
12	213.6	-	-	-	7499	-	-	-	-	
13	231.4	-	-	-	6923	-	-	-	-	
14	249.2	-	-	-	6428	-	-	-	-	
15	267	-	-	-	6000	-	-	-	-	
16	284.8	-	-	-	5624	-	-	-	-	
17	302.6	-	-	-	5294	-	-	-	-	
18	320.4	-	-	-	5000	-	-	-	-	
19	338.2	-	-	-	4737	-	-	-	-	
20	356	-	-	-	4499	-	-	-	-	
21	373.8	-	-	-	4285	-	-	-	-	
22	391.6	-	-	-	4091	-	-	-	-	
23	409.4	-	-	-	3912	-	-	-	-	
24	427.2	-	-	-	3750	-	-	-	-	
25	445	-	-	-	3600	-	-	-	-	
26	462.8	-	-	-	3462	-	-	-	-	
27	480.6	-	-	-	3333	-	-	-	-	
28	498.4	-	-	-	3214	-	-	-	-	
29	516.2	-	-	-	3103	-	-	-	-	
30	534	-	-	-	3000	-	-	-	-	
31	551.8	-	-	-	2903	-	-	-	-	
32	569.6	-	-	-	2812	-	-	-	-	
33	587.4	-	-	-	2727	-	-	-	-	
34	605.2	-	-	-	2646	-	-	-	-	
35	623	-	-	-	2572	-	-	-	-	
Coffee Machine					●					
Espresso Machine					●					
Vending Machine					●					
Combi Ovens										
Conventional Ovens										

※ The above capacities are based on the calculated value by prediction formula