

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 based 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 based 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

VH-IEN-6000 (ION Exchange Filter) - Estimated Capacity

Hardness (°DH)	Hardness (PPM)	Capacities (L) according to bypass setting							
		0	1	2	3	4	5	6	7
4	71.2	7506	8620	9285	10651	12741	13396	13598	13930
5	89	7288	8370	8822	9832	11354	13178	13489	13865
6	106.8	6869	7621	8315	9321	10987	12974	13298	13710
7	124.6	6255	6942	7572	8570	9970	11725	13143	13571
8	142.4	5483	6092	6626	7500	8732	10257	11500	11974
9	160.2	4882	5430	5889	6667	7770	9115	10223	10987
10	178	4400	4900	5300	6002	7000	8200	9200	9874
11	195.8	4007	4467	4818	5455	6370	7453	8364	8714
12	213.6	3678	4107	4415	5000	5846	6828	7665	7935
13	231.4	3401	3800	4075	4615	5402	6302	7076	7684
14	249.2	3164	3540	3785	4286	5020	5851	6572	6805
15	267	2957	3312	3532	4001	4690	5459	6134	6371
16	284.8	2777	3114	3310	3751	4400	5117	5751	5987
17	302.6	2618	2940	3116	3530	4147	4814	5412	5762
18	320.4	2476	2784	2942	3334	3920	4544	5110	5398
19	338.2	2350	2643	2787	3158	3717	4304	4842	5171
20	356	2235	2520	2647	3001	3535	4087	4600	4975
21	373.8	2130	2406	2520	2856	3370	3889	4378	4598
22	391.6	2038	2302	2405	2726	3220	3712	4180	4308
23	409.4	1953	2210	2300	2609	3083	3550	3998	4165
24	427.2	1875	2122	2206	2500	2957	3402	3833	3999
25	445	1802	2042	2117	2400	2843	3264	3678	3885
26	462.8	1736	1970	2036	2310	2735	3139	3538	3691
27	480.6	1674	1902	1960	2222	2637	3020	3406	3597
28	498.4	1617	1838	1890	2143	2545	2912	3284	3407
29	516.2	1563	1780	1824	2070	2461	2810	3170	3301
30	534	1513	1725	1762	2000	2381	2714	3063	3193
31	551.8	1466	1673	1705	1934	2307	2626	2964	3112
32	569.6	1423	1625	1652	1874	2237	2543	2872	2973
33	587.4	1383	1580	1603	1819	2171	2468	2787	2850
34	605.2	1343	1538	1555	1764	2109	2392	2703	2810
35	623	1307	1498	1510	1714	2051	2323	2625	2733
Coffee Machine				●	●	●	●	●	●
Espresso Machine				●	●	●	●	●	●
Vending Machine				●	●	●	●	●	●
Combi Ovens		●	●						
Conventional Ovens		●	●						

※ This table is an estimated capacity of VH-IEN 6000 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