



They know the secret...

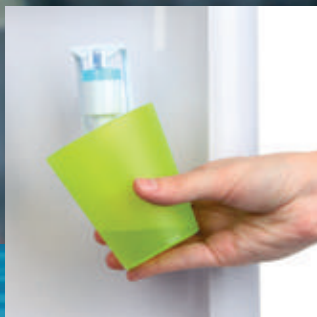


For great tasting water,
use expert filtration.

IEN RANGE

(Scale Reducing Technology)

Specially developed ION Exchange Resin filters that incorporate a mixed blend of media to reduce scale build up, whilst stabilising pH levels to ensure the best filtered water.



IEN RANGE

H2O Direct have developed a range of ION Exchange Resin Filters that can be used in a wide variety of applications including hot water boilers, hot liquid vending and espresso machines.

The technology within these filters reduce scale build up and prevent unpleasant metallic and/or chlorine tastes with an easy to change auto water shut off facility, whilst protecting your machinery against costly break downs.

WHO USES IEN FILTERS?

- Hot Drinks Vendors
- Restaurants/Cafés
- Catering
- Offices

WHY USE IEN FILTERS?

- Reduce scale build up
- Ph balanced
- Protect machines
- Saves expensive service costs
- Easy install/change

KEY FEATURES

- High level of scale reduction
- Fixed 30% bypass system and specially blended resin stabilise pH levels
- Reduced chlorine content, bad taste and odour issues
- Superior performance and efficiency when compared to other leading brands (in house testing)
- Auto water shut off
- One head to fit all quick change filter cartridges



IEN-1500

IEN-3000

IEN-6000

IEN-9000

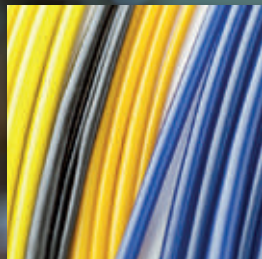
CAPACITY According to Bypass at 30% in litres

Hardness (°DH)	Hardness (PPM)	IEN-1500	IEN-3000	IEN-6000	IEN-9000
5	89	3065	6012	9832	18000
10	178	1532	3006	6002	9000
15	267	1022	2004	4001	6000
20	356	766	1502	3001	4499
25	445	613	1202	2400	3600
30	534	511	1003	2000	3000

As per manufacturers testing.

DIMENSIONS In mm

	IEN-1500	IEN-3000	IEN-6000	IEN-9000
Height	350	400	380	530
Width	110	110	150	150
Depth	110	110	150	150



H2O Direct, for all your filtration needs in UK and Europe.

H₂O direct

Website www.h2odirect.co.uk
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Tel +44 1892 669628



@H2ODirect



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