

PHILIPS

Aquaporin Inside™

Filtration performance data

RO Filter ADD583/79

Philips reverse osmosis technology with Aquaporin Inside™ uses biomimetic membranes with natural aquaporin proteins—the same technology that living cells use to transport water. **“It’s nature’s way of purifying water”.**

Philips RO Water Stations can instantly deliver purified water, from chilled to hot, and even purified ice cubes. Built-in remineralisation adds back essential minerals, delivering cleaner, fresher-tasting water that supports better hydration. Taste the difference right away.

Smoother, fresher water.



ADD6920BK/79



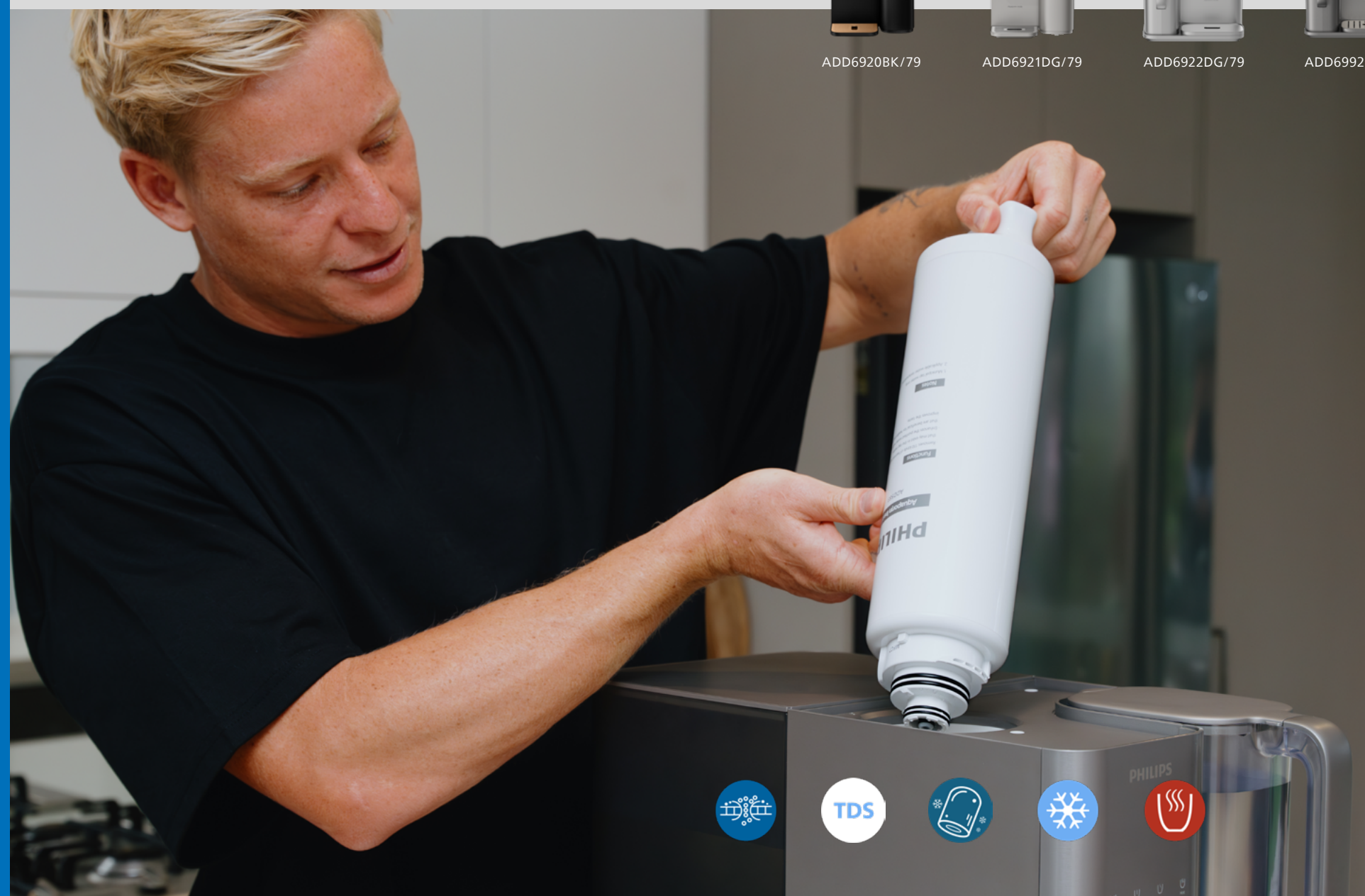
ADD6921DG/79



ADD6922DG/79



ADD6992DG/79



No.	Testing Point	Test Item(s)	Unit(s)	Test Method(s)	Test Result(s)		#Removal Rate (%)
					Influent Spiked Water	Effluent Filtrated Water	
1	Start-up	Total coliforms	CFU/100 mL	GB/T 5750.12-2023 5.2	8.4×10 ⁵	7.5×10 ³	99.9107
2	Start-up	Male-specific (F+) Coliphage	PFU/mL	Refer to EPA Method 1602	5.1×10 ⁶	1.3×10 ³	99.9745
3	Start-up	Viable Count (Escherichia coli)	CFU/mL	Refer to GB/T 5750.12-2023 4.1	8.2×10 ⁵	3.5×10 ³	99.9573
4	Start-up	Thermotolerant coliform bacteria	MPN/100 mL	GB/T 5750.12-2023 6.1	9.2×10 ⁵	2.2×10 ³	99.7605
5	Start-up	Viable Count (Staphylococcus aureus)	CFU/mL	Refer to GB/T 5750.12-2023 4.1	1.2×10 ⁵	1.1×10 ³	99.9083
6	Start-up	**Viable Count (Burkholderia cepacia)	CFU/100 mL	Refer to GB/T 5750.12-2023	1.1×10 ⁵	<1	>99.9999
7	Start-up	**Viable Count (Legionella)	CFU/100 mL	Refer to GB/T 5750.12-2023	1.2×10 ⁵	<1	>99.9999
8	Start-up	**Pseudomonas aeruginosa	CFU/100mL	ISO 16266:2006	8.5×10 ⁴	<1	>99.99
9	Start-up	Aluminium(Al)	µg/L	EPA 200.8	15464.9	40.4	99.7
10	Start-up	Lead (Pb)	µg/L	EPA 200.8	15414.7	467.7	97.0
11	Start-up	Cadmium (Cd)	µg/L	EPA 200.8	1515.9	18.4	98.8
12	Start-up	Copper (Cu)	µg/L	EPA 200.8	1600.2	30.6	98.1
13	Start-up	Nickel (Ni)	µg/L	EPA 200.8	1646.1	21.4	98.7
14	Start-up	Barium (Ba)	µg/L	EPA 200.8	1709.7	39.8	97.7
15	Start-up	Antimony (Sb)	µg/L	EPA 200.8	1538.2	14.6	99.1
16	Start-up	Mercury (Hg)	µg/L	EPA 200.8	1489.6	<0.2	>99.9
17	Start-up	Beryllium (Be)	µg/L	EPA 200.8	1390.9	9.7	99.3
18	Start-up	Iron (Fe)	µg/L	EPA 200.8	1594	36	97.7
19	Start-up	Manganese (Mn)	µg/L	EPA 200.8	1623.4	33.2	98.0
20	Start-up	Trivalent arsenic	µg/L	EPA 200.8	5541.0	1349.4	75.6
21	Start-up	Selenium (Se)	µg/L	EPA 200.8	5763.4	3649.2	36.7
22	Start-up	Zinc (Zn)	µg/L	EPA 200.8	6107.1	129.4	97.9
23	Start-up	Trichloromethane (Chloroform)	mg/L	GB/T 5750.8-2023 Annex A	0.2109	0.0003	99.9
24	Start-up	Carbon Tetrachloride	mg/L	GB/T 5750.8-2023 Annex A	0.1192	<0.0001	>99.9
25	Start-up	Chlorotetracycline	µg/L	SGS In-House Method	21490.930	<10	>99.9
26	Start-up	Tetracycline	µg/L	SGS In-House Method	15580.766	<10	>99.9
27	Start-up	Oxytetracycline	µg/L	SGS In-House Method	10680.140	<10	>99.9
28	Start-up	Sulfadiazine (SDZ)	µg/L	SGS In-House Method	5.132	<0.005	>99.9
29	Start-up	Amoxicillin	µg/L	SGS In-House Method	122.003	<0.1	>99.9
30	Start-up	Diethyltoluamide	ng/L	SGS In-House Method	110142	<10	>99.9
31	Start-up	Metolachlor	ng/L	SGS In-House Method	115024	<10	>99.9
32	Start-up	Bisphenol A(BPA)	ng/L	SGS In-House Method	106661	<10	>99.9
33	Start-up	Ibuprofen	µg/L	SGS In-House Method	11.282	<0.06	>99.4
34	Start-up	Chloride	mg/L	GB/T 5750.5-2023 6.2	141.99	2.41	98.3
35	Start-up	Sulfate	mg/L	GB/T 5750.5-2023 6.2	154.15	0.49	99.7
36	Start-up	Fluoride	mg/L	GB/T 5750.5-2023 6.2	13.95	0.48	96.6
37	Start-up	Nitrate (as N)	mg/L	GB/T 5750.5-2023 6.2	12.58	<0.01	>99.9
38	Start-up	Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/L	GB/T 5750.8-2023 Appendix B	1.1568	<0.0050	>99.5
39	Start-up	Perfluorooctanoic acid (PFOA)	µg/L	US EPA 537.1:2020	11.80	<0.01	>99.9
40	Start-up	Perfluorooctane sulfonic acid (PFOS)	µg/L	US EPA 537.1:2020	12.78	0.03	99.8
41	Start-up	***Dichloroacetic Acid	mg/L	GB/T 5750.10-2023 GC-ECD	7.4136	0.0022	99.9
42	Start-up	***Trichloroacetic Acid	mg/L	GB/T 5750.10-2023 GC-ECD	10.8120	0.0322	99.7
43	Start-up	**Chloral	µg/L	GB/T 5750.10-2023 chapter 13.1	679743	479	99.9
44	Start-up	**Chlorate (ClO ₃ ⁻)	mg/L	EPA 300.0:1993	10.1	0.01	99.9
45	Start-up	**Chlorite (ClO ₂ ⁻)	mg/L	EPA 300.0:1993	9.66	<0.01	>99.8
46	Start-up	**Bromate (BrO ₃ ⁻)	mg/L	EPA 300.0:1993	20.1	<0.02	>99.9
47	Start-up	*Phosphorus(P)	µg/L	EPA 200.7	62400	70	99.9
48	Start-up	Ammonia (as N)	mg/L	GB/T 5750.5-2023 11.1	25.80	<0.02	>99.9

No.	Testing Point	Test Item(s)	Unit(s)	Test Method(s)	Test Result(s)		#Removal Rate (%)
					Influent Spiked Water	Effluent Filtrated Water	
49	Start-up	Sulfide	mg/L	GB/T 5750.5-2023 9.1	25.00	<0.02	>99.9
50	Start-up	Free chlorine	mg/L	GB/T 5750.11-2023 4.1	10.47	<0.01	>99.9
51	Start-up	Chloramine	mg/L	GB/T 5750.11-2023 7.1	10.9	<0.01	>99.9
52	Start-up	Cyanogen Chloride (as CN ⁻)	mg/L	GB/T 5750.10-2023 10.1	12.3	<0.01	>99.9
53	Start-up	Chlorine dioxide (ClO ₂)	mg/L	GB/T 5750.11-2023 8.1	30	<0.025	>99.9
54	Start-up	Color (Pt-Co color units)	*	GB/T 5750.4-2023 4.1	5000	<5	>99.9
55	Start-up	Turbidity	NTU	GB/T 5750.4-2023 5.1	500	<0.5	>99.9
56	Start-up	Volatile phenols (as Phenol)	mg/L	GB/T 5750.4-2023 12.1	2.5	<0.002	>99.9
57	Start-up	Permanganate Index (as O ₂)	mg/L	GB/T 5750.7-2023 4.1	53.8	1.83	96.6
58	Start-up	Total Dissolved Solids	mg/L	GB/T 5750.4-2023 11.1	10000	3999	60.0
59	Start-up	Total hardness (as CaCO ₃)	mg/L	GB/T 5750.4-2023 10.1	2283.6	95.2	95.8
60	Start-up	Cyanide	mg/L	GB/T 5750.5-2023 7.1	2.5	<0.002	>99.9
61	Start-up	Chromium (VI)	mg/L	GB/T 5750.6-2023 13.1	5.02	<0.004	>99.9
62	Start-up	**Acrylamide	mg/L	GB/T 5750.8-2023	0.29904	<0.00002	>99.9
63	Start-up	**Ampicillin	ug/L	SGS In-House Method	115.4	<0.005	>99.9
64	Start-up	**Norfloxacin	ug/L	SGS In-House Method	87.9	<0.005	>99.9
65	Start-up	**Roxithromycin	ug/L	SGS In-House Method	104.5	<0.005	>99.9
66	Start-up	**2,4-D	mg/L	GB/T 23214-2008	11.18	<0.001	>99.9
67	Start-up	**Malathion	mg/L	GB/T 23214-2008	17.1	<0.001	>99.9
68	Start-up	**Parathion-methyl	mg/L	GB/T 23214-2008	23.78	<0.001	>99.9
69	Start-up	**Dimethoate	mg/L	GB/T 23214-2008	15.34	<0.001	>99.9
70	Start-up	**Dichlorvos	mg/L	GB/T 23214-2008	11.525	<0.001	>99.9
71	Start-up	**Chlorpyrifos	mg/L	GB/T 23214-2008	13.06	<0.001	>99.9
72	Start-up	**Bentazone	mg/L	GB/T 23214-2008	16.72	<0.001	>99.9
73	Start-up	**imidacloprid	mg/L	GB/T 23214-2008	15.54	<0.001	>99.9
74	Start-up	**Total Trichlorobenzene	mg/L	EPA Method 524.2	4.68389	<0.0003	>99.9
75	Start-up	**1,1-Dichloroethene	mg/L	GB/T 5750.8-2023	10.2879	<0.000241	>99.9
76	Start-up	**cis-1,2-dichloroethene	mg/L	GB/T 5750.8-2023	6.66441	<0.000275	>99.9
77	Start-up	**Vinyl Chloride	mg/L	GB/T 5750.8-2023	16.63432	<0.000237	>99.9
78	Start-up	**Formaldehyde	mg/L	GB/T 5750.10-2023	9.9	<0.05	>99.4
79	Start-up	*Profenofos	mg/L	GB/T 23214-2008	13	<0.001	>99.9
80	Start-up	**Triazophos	mg/L	GB/T 23214-2008	17.873	<0.001	>99.9
81	Start-up	**Atrazine	mg/L	GB/T 23214-2008	14.66	<0.001	>99.9
82	Start-up	**γ-BHC	mg/L	GB/T 5750.8-2023	6.9289	<0.0005	>99.9
83	Start-up	**DDT	mg/L	GB/T 5750.8-2023	5.0302	<0.0005	>99.9
84	Start-up	**Chlorothalonil	mg/L	GB/T 5750.8-2023	7.5311	<0.0005	>99.9
85	Start-up	**Heptachlor	mg/L	GB/T 5750.8-2023	1.342	<0.001	>99.9
86	Start-up	**Hexachlorobenzene	mg/L	GB/T 5750.8-2023	6.0236	<0.0005	>99.9
87	Start-up	**2,4,6-Trichlorophenol	mg/L	GB/T 5750.8-2023 15.1	11.073	<0.001	>99.9
88	Start-up	**Deltamethrin	mg/L	GB/T 5750.8-2023 15.1	10.323	<0.001	>99.9
89	Start-up	**1,1,1-Trichloroethane	mg/L	GB/T 5750.8-2023	0.1151	<0.0001	>99.9
90	Start-up	**Toluene	mg/L	GB/T 5750.8-2023	0.1259	<0.0001	>99.9

No.	Testing Point	Test Item(s)	Unit(s)	Test Method(s)	Test Result(s)		#Removal Rate (%)
					Influent Spiked Water	Effluent Filtrated Water	
91	Start-up	**Styrene	mg/L	GB/T 5750.8-2023	0.1493	<0.0001	>99.9
92	Start-up	**Trichloroethene	mg/L	GB/T 5750.8-2023	1.4647	<0.0001	>99.9
93	Start-up	**1,2-Dichloroethane	mg/L	GB/T 5750.8-2023	1.4795	<0.0001	>99.9
94	Start-up	**Methylene Chloride	mg/L	GB/T 5750.8-2023	1.8131	0.0003	99.9
95	Start-up	**trans-1,2-dichloroethene	mg/L	GB/T 5750.8-2023	1.1714	<0.0001	>99.9
96	Start-up	**1,2-Dichlorobenzene	mg/L	GB/T 5750.8-2023	1.7588	<0.0001	>99.9
97	Start-up	**1,4-Dichlorobenzene	mg/L	GB/T 5750.8-2023	1.3812	<0.0001	>99.9
98	Start-up	**Hexachlorobutadiene	mg/L	GB/T 5750.8-2023	2.0135	<0.0001	>99.9
99	Start-up	**Tetrachloroethene	mg/L	GB/T 5750.8-2023	1.4694	<0.0001	>99.9
100	Start-up	**Chlorobenzene	mg/L	GB/T 5750.8-2023	1.2213	<0.0001	>99.9
101	Start-up	**THMs	mg/L	GB/T 5750.8-2023	46.9208	<0.0004	>99.9
102	Start-up	**Dibromochloromethane	mg/L	GB/T 5750.8-2023	14.9478	<0.0001	>99.9
103	Start-up	**Bromodichloromethane	mg/L	GB/T 5750.8-2023	14.4264	<0.0001	>99.9
104	Start-up	**Bromoform	mg/L	GB/T 5750.8-2023	16.147	<0.0001	>99.9
105	Start-up	**Ethylbenzene	mg/L	GB/T 5750.8-2023	2.6295	<0.0001	>99.9
106	Start-up	**Xylene	mg/L	GB/T 5750.8-2023	4.1895	<0.0003	>99.9
107	Start-up	**Benzene	mg/L	GB/T 5750.8-2023	0.2758	<0.0001	>99.9
108	Start-up	##Counts of particle size (≥0.50 µm)	Counts/ml	ASTM D5127-13 (2018)	19249667	13347	99.9
109	Start-up	Nitrate	mg/L	GB/T 5750.5-2023 6.2	12.42	<0.05	>99.6
110	Start-up	**Benzo(a)pyrene	ng/L	GB/T 5750.8-2023	26603.8	<2.0	>99.9

Mineraliser test results - source SGS report : XMF-24-0003624-01

Test item(s)	Unit(s)	Test result start-up		Test result after 500 L		Test result after 1000 L	
		Influent water	Effluent water	Influent water	Effluent water	Influent water	Effluent water
Magnesium (Mg)	mg/L	<0.0009	0.0581	<0.0009	0.0247	<0.0009	0.0254
Potassium (K)	mg/L	0.0073	0.0336	<0.0030	0.0124	0.0424	0.0891
Calcium (Ca)	mg/L	<0.0200	3.1104	<0.0200	2.3661	0.0662	1.7442
Sodium (Na)	mg/L	0.2405	0.3158	0.2326	0.2473	0.3811	0.5483
pH		5.85	9.11	6.10	8.92	6.10	6.74

Powermove Distribution Pty Ltd.
Authorized distributor for Philips Water in Australia.

email: philips.water@powermove.com.au
phone: 03-9358-5999

© 2025 Koninklijke Philips N.V. All rights reserved.
www.philips.com/water

version 17/11/25



Tested by SGS.

Filtration performance test data are based on the chemical and microbiological tests executed by SGS published in test reports XMF25-0003704-04 and XMF-24-0003624-01

- All measured contaminant reduced by this filter are listed.
- Not all contaminants listed may be present in your water.
- Filter does not remove allcontaminants that may be present in tap water.
- Testing was performed under standard laboratory conditions, actual performance may vary.
- Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result) / Influent spiked water test result x 100%.

For more information visit:
www.philips.com.au/c-p/ADD583_79

