

PERFORMANCE DATA SHEET

REFRIGERATOR ICE & WATER FILTER

Filter System Model No. FWC3-S

FISHER & PAYKEL

AU NZ UK IE SG

- Replacement Filter: FWC3, F&P Part Number: 847200
- The FWC3 Replacement Component must be used with the Filter Head 869406, 869407,869408 or 869409 to make the complete FWC3-System. It has been certified under AS 3497 and NSF/ANSI 42, 53, 401, NSF/ANSI/CAN 372 and CSA B483.1 by IAPMO R&T for the reduction of claims specified on the performance data sheet.
- Testing was performed under standard laboratory conditions; actual performance may vary. Spent adsorption media will not be generated and used. EPA Est. # 88572-CHN-1.

	NHMRC ADWG or USEPA SDWA MCL(mg/L)	Average Influent Concentration	NSF/ANSI Influent Challenge Concentration	% reduction Req't / Max. Permissible Product Water Concentration	Max Effluent Concentration	Minimum % Reduction	Average Effluent Concentration	Average % Reduction
NSF/ANSI 42 – Aesthetic Effects								
Chlorine	0.6 mg/L	2.88 mg/L	2.0 mg/L±10%	≥50%	0.19 mg/L	93.09%	0.035 mg/L	98.79%
Chloramine	0.6 mg/L	2.88 mg/L	3.0 mg/L ± 10%	≥ 80%	0.19 mg/L	93.09%	0.035 mg/L	98.79%
Nominal Particulate Reduction, Class I (≥ 0.5 µm to < 1 µm)	-	6666667 particles/mL	at least 10,000 particles/ mL	≥ 85%	28000 particles/ mL	99.57%	19700 particles/ mL	99.70%
NSF/ANSI 53 – Health Effects								
Asbestos	7 MFL	1950000 fibers/L	"107 to 108 fibers/L; fibers > 10 µm in length"	≥ 99%	8 fibers/L	99.99%	4 fibers/L	99.99%
Lead (pH 6.5)	-	0.143 mg/L	0.15 mg/L ± 10%	0.01 mg/L	10.2 ppb	92.90%	0.666 ppb	99.55%
Lead (pH 8.5)	-	0.147 mg/L	0.15 mg/L ± 10%	0.01 mg/L	1.7 ppb	98.91%	0.322 ppb	99.78%
Mercury (pH 6.5)	0.002 mg/L	6.25 µg/L	0.006 mg/L ± 10%	0.002 mg/L	0.25 µg/L	95.85%	0.19 µg/L	96.93%
Mercury (pH 8.5)	0.002 mg/L	5.93 µg/L	0.006 mg/L ± 10%	0.002 mg/L	1.11 µg/L	81.71%	0.29 µg/L	95.12%
Cyst	99.5% reduction	128000 Cyst/L	minimum 50,000/L	99.95%	8 Cyst/L	99.99%	5 Cyst/L	99.99%
Toxaphene	0.003 mg/L	14.9 µg/L	0.015 mg/L ± 10%	0.003 mg/L	0.5 µg/L	96.60%	0.25 µg/L	98.32%
PFOA/PFOS (PFOS)	-	0.957 µg/L	1.5 mg/L ± 10%	0.07 mg/L	0.014 µg/L	98.53%	0.003 µg/L	99.67%
PFOA/PFOS (PFOA)	-	0.492 µg/L	0.0015 mg/L ± 10%	0.07 mg/L	0.003 µg/L	99.40%	0.001 µg/L	99.71%
VOC	-	298 ug/L	300 ug/L ± 10%	≥ 95%	<0.5 (µg/L)	99.82%	<0.5 (µg/L)	99.83%
*Substantances below included by VOC Chloroform surrogate testing								
alachlor*	0.002 mg/L	-	50 ug/L	1 ug/L	-	-	-	>98%
atrazine*	0.003	-	100 ug/L	3 ug/L	-	-	-	>97%
benzene*	0.005	-	81 ug/L	1 ug/L	-	-	-	>99%
carbofuran*	0.04	-	190 ug/L	1 ug/L	-	-	-	>99%
carbon tetrachloride*	0.005	-	78 ug/L	2 ug/L	-	-	-	98.00%
chlorobenzene*	0.01	-	77 ug/L	1 ug/L	-	-	-	>99%
chloropicrin*	-	-	15 ug/L	0.200 ug/L	-	-	-	99.00%
2,4-D*	0.03	-	110 ug/L	2 ug/L	-	-	-	98.00%
dibromochloropropane (DBCP)*	-	-	52 ug/L	0.020 ug/L	-	-	-	>99%
o-dichlorobenzene*	0.6	-	80 ug/L	1 ug/L	-	-	-	>99%
p-dichlorobenzene*	0.075	-	40 ug/L	1 ug/L	-	-	-	>98%
1,2-dichloroethane*	0.005	-	88 ug/L	5 ug/L	-	-	-	95.00%
1,1-dichloroethylene*	0.007	-	83 ug/L	1 ug/L	-	-	-	>99%
cis-1,2-dichloroethylene*	0.07	-	170 ug/L	1 ug/L	-	-	-	>99%
trans-1,2-dichloroethylene*	0.1	-	86 ug/L	1 ug/L	-	-	-	>99%
1,2-dichloropropane*	0.005	-	80 ug/L	1 ug/L	-	-	-	>99%
cis-1,3-dichloropropylene*	-	-	79 ug/L	1 ug/L	-	-	-	>99%
dinoseb*	0.007	-	170 ug/L	0.200 ug/L	-	-	-	99.00%
endrin*	0.002	-	53 ug/L	1 ug/L	-	-	-	99.00%
ethylbenzene*	0.14	-	88 ug/L	1 ug/L	-	-	-	>99%
ethylene dibromide (EDB)*	0.00005	-	44 ug/L	0.020 ug/L	-	-	-	>99%
haloacetonitriles (HAN)*					-	-	-	
bromochloroacetonitrile*	-	-	22 ug/L	1 ug/L	-	-	-	98.00%
dibromoacetonitrile*	-	-	24 ug/L	1 ug/L	-	-	-	98.00%
dichloroacetonitrile*	-	-	10 ug/L	0.200 ug/L	-	-	-	98.00%
trichloroacetonitrile*	-	-	15 ug/L	0.300 ug/L	-	-	-	98.00%
haloketones (HK)*					-	-	-	
1,1-dichloro-2-propanone *	-	-	7 ug/L	0.100 ug/L	-	-	-	99.00%
1,1,1-trichloro-2- propanone*	0.003	-	8 ug/L	0.300 ug/L	-	-	-	96.00%
heptachlor (H-34, Heptox)*	0.0004	-	25 ug/L	0.010 ug/L	-	-	-	>99%
heptachlor epoxide*	0.0002	-	11 ug/L	0.200 ug/L	-	-	-	98.00%
hexachlorobutadiene*	0.0007	-	44 ug/L	1 ug/L	-	-	-	>98%
hexachlorocyclopentadiene*	0.05	-	60 ug/L	0.002 ug/L	-	-	-	>99%
lindane*	0.0002	-	55 ug/L	0.010 ug/L	-	-	-	>99%
methoxychlor*	0.04	-	50 ug/L	0.100 ug/L	-	-	-	>99%
pentachlorophenol*	0.001	-	96 ug/L	1 ug/L	-	-	-	>99%
simazine*	0.004	-	120 ug/L	4 ug/L	-	-	-	>97%
styrene*	0.1	-	150 ug/L	1 ug/L	-	-	-	>99%
1,1,2,2-tetrachloroethane*	0.002	-	81 ug/L	1 ug/L	-	-	-	>99%
tetrachloroethylene*	0.005	-	81 ug/L	1 ug/L	-	-	-	>99%
toluene*	0.06	-	78 ug/L	1 ug/L	-	-	-	>99%
2,4,5-TP (silvex)*	-	-	270 ug/L	2 ug/L	-	-	-	99%
tribromoacetic acid*	-	-	42 ug/L	1 ug/L	-	-	-	>98%
1,2,4-trichlorobenzene*	0.07	-	160 ug/L	1 ug/L	-	-	-	>99%
1,1,1-trichloroethane*	0.2	-	84 ug/L	5 ug/L	-	-	-	95%
1,1,2-trichloroethane*	0.005	-	150 ug/L	1 ug/L	-	-	-	>99%
trichloroethylene*	0.005	-	180 ug/L	1 ug/L	-	-	-	>99%

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"trihalomethanes (includes): chloroform (surrogate chemical)* bromoform bromodichloromethane* chlorodibromomethane**"	0.25	-	300 ug/L	15 ug/L	-	-	-	95%
xylenes (total)*	0.6	-	70 ug/L	1 ug/L	-	-	-	>99%
NSF/ANSI 401 -Emerging Compounds/Incidental Contaminants								
Meprobamate	-	403 ng/L	400 ng/L ± 20%	60 ng/L	1 ng/L	>99%	<1 ng/L	>99%
Atenolol	-	195 ng/L	200 ng/L ± 20%	30 ng/L	<1 ng/L	>99%	<1 ng/L	>99%
Carbamazepine	-	1406 ng/L	1,400 ng/L ± 20%	200 ng/L	<10 ng/L	>99%	<10 ng/L	>99%
DEET	-	1383 ng/L	1,400 ng/L ± 20%	200 ng/L	23 ng/L	98.39%	11.3 ng/L	>99%
Metolachlor	0.05	1402 ng/L	1,400 ng/L ± 20%	200 ng/L	<10 ng/L	>99%	<10 ng/L	>99%
Trimethoprim	-	142 ng/L	140 ng/L ± 20%	20 ng/L	<1 ng/L	>99%	<1 ng/L	>99%
Linuron	-	141 ng/L	140 ng/L ± 20%	20 ng/L	1 ng/L	>99%	<1 ng/L	>99%
TCEP	-	5043 ng/L	5,000 ng/L ± 20%"	700 ng/L	<10 ng/L	99.99%	<10 ng/L	99.99%
TCPP	-	4089 ng/L	5,000 ng/L ± 20%"	700 ng/L	<10 ng/L	99.99%	<10 ng/L	99.99%
Phenytoin	-	198 ng/L	200 ng/L ± 20%	30 ng/L	<1 ng/L	>99%	<1 ng/L	>99%
Ibuprofen	-	418 ng/L	400 ng/L ± 20%	60 ng/L	<10 ng/L	>99%	<10 ng/L	>99%
Naproxen	-	147 ng/L	140 ng/L ± 20%	20 ng/L	<1 ng/L	>99%	<1 ng/L	>99%
Estrone	-	156 ng/L	140 ng/L ± 20%	20 ng/L	7 ng/L	95.45%	3.2 ng/L	97.97%
Bisphenol A	0.1	2016 ng/L	2,000 ng/L ± 20%	300 ng/L	<10 ng/L	>99%	<10 ng/L	>99%
Nonylphenol	-	1365 ng/L	1,400 ng/L ± 20%	200 ng/L	<10 ng/L	>99%	<10 ng/L	>99%

APPLICATION GUIDELINES/WATER SUPPLY PARAMETERS

Service Flow	0.5 gpm (1.89 lpm)
Water Supply	Potable Water
Water Pressure	25–120 psi (172–827 kPa)
Water Temperature	33–100°F (0.6–38°C)
Capacity	102 gallons (386 litres)

It is essential that the manufacturer's recommended installation, maintenance and filter replacement requirements be carried out for the product to perform as advertised. See User Guide for Warranty information.

Cartridge: FWC3. For estimated costs of replacement parts contact our customer care on +64 9 273 0660 or visit our website at fisherpaykel.com

⚠ WARNING

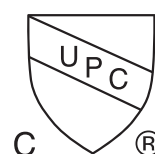
To reduce the risk associated with ingestion of contaminants:

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before and after the system.
Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

NOTICE

To reduce the risk of water leakage or flooding, and to ensure optimal filter performance:

- Read and follow use instructions before installation and use of this system.
- Installation and use MUST comply with all state and local plumbing codes.
- Do not install if water pressure exceeds 120 psi (827 kPa).
- If your water pressure exceeds 80 psi (551kPa), you must install a pressure-limiting valve. Contact plumbing professional if you are uncertain how to check your water pressure.
- **Do not install where water hammer conditions may occur.** If water hammer conditions exist, you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- **Do not install on hot water supply lines.** The maximum operating water temperature of this filter system is 100°F (38°C).
- **Protect filter from freezing.** Drain filter when temperatures drop below 33°F (0.6°C).
- Change the disposable filter cartridge every six months or sooner if you observe a noticeable reduction in water flow rate.
- Failure to replace the disposable filter cartridge at recommended intervals may lead to reduced filter performance and cracks in the filter housing, causing water leakage or flooding.
- This System has been tested according to NSF/ANSI 42, 53, 401 and P473 for the reduction of the substances listed on the left. The concentration of the indicated substances in water entering this system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42, 53, 401 and P473.



System tested and certified under AS 3497 and NSF/ANSI 42, 53, 401, NSF/ANSI/CAN 372 and CSA B483.1 by IAPMO R&T for the reduction of:

Standard 42: Aesthetic effects

Chemical Reduction:

Taste and Odour [IV], Chlorine [V], Chloramine[V]

Mechanical Reduction:

Nominal Particulate Class I [III]

Standard 53: Health effects

Chemical Reduction:

Lead [V], Mercury [V], VOC [V], Toxaphene [V], PFOA/PFOS [V]

Mechanical Reduction:

Cyst [II(C)], Asbestos [III]

Standard 401: Emerging compounds/incidental contaminants

Meprobamate [V], Atenolol [V], Carbamazepine [V], DEET [V], Metolachlor [V], Trimethoprim [V], Linuron [V], TCEP [V], TCPP [V], Phenytoin [V], Ibuprofen [V], Naproxen [V], Estrone[V], Bisphenol A [V], Nonylphenol [V]

Class	Treatment Type	Function	Pass
I	Microbiological status – Bacteriostatic	Will stop bacteria increasing but will not reduce them unless Category II(a) is passed.	N/A
II(a)	Microbiological treatment – Bacteria reduction	Will reduce or inactivate bacteria	N/A
II(b)	Microbiological treatment – Virus reduction	Will reduce or inactivate bacteria	N/A
II(c)	Microbiological treatment – Protozoa reduction	Will reduce or inactivate Cryptosporidium and Giardia. Will not reduce or inactivate bacteria and viruses unless Category II(a) and Category II(b) are passed.	✓
III	Aesthetic effects – Particulate reduction	Reduces cloudiness	✓
IV	Aesthetic effects – Taste and Odour reduction	Reduces tastes and odours	✓
V	Chemical treatment	Decreases certain chemicals. See PDS for a detailed list of reduced chemicals.	✓